

# **GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI 2011**

*- objavljeni naučni rezultati -*

**UNIVERZITET U NOVOM SADU  
FAKULTET TEHNIČKIH NAUKA**



Computer Science and Information Systems



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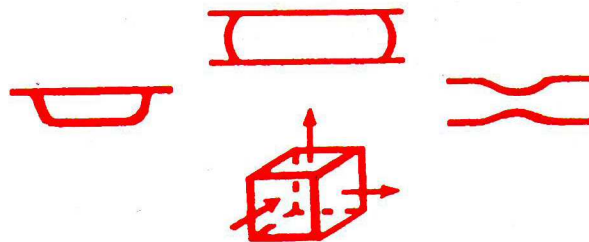
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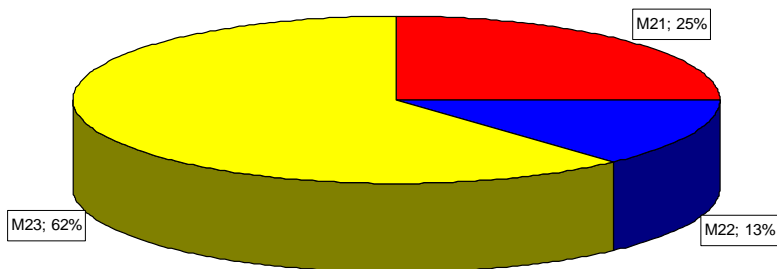
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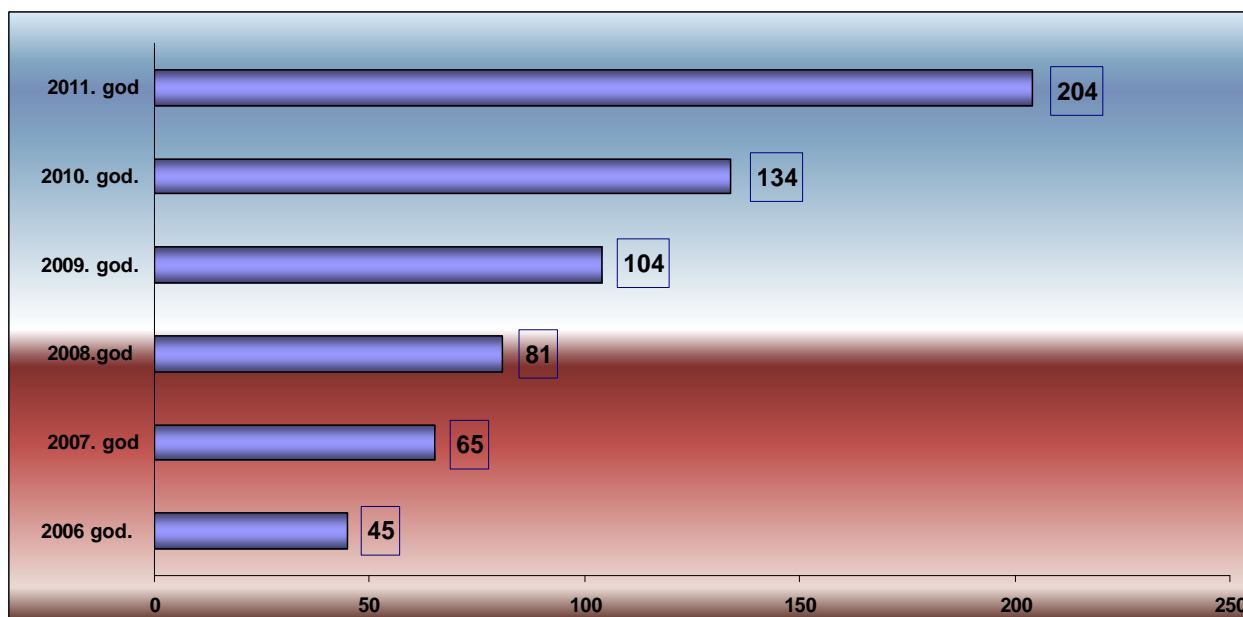
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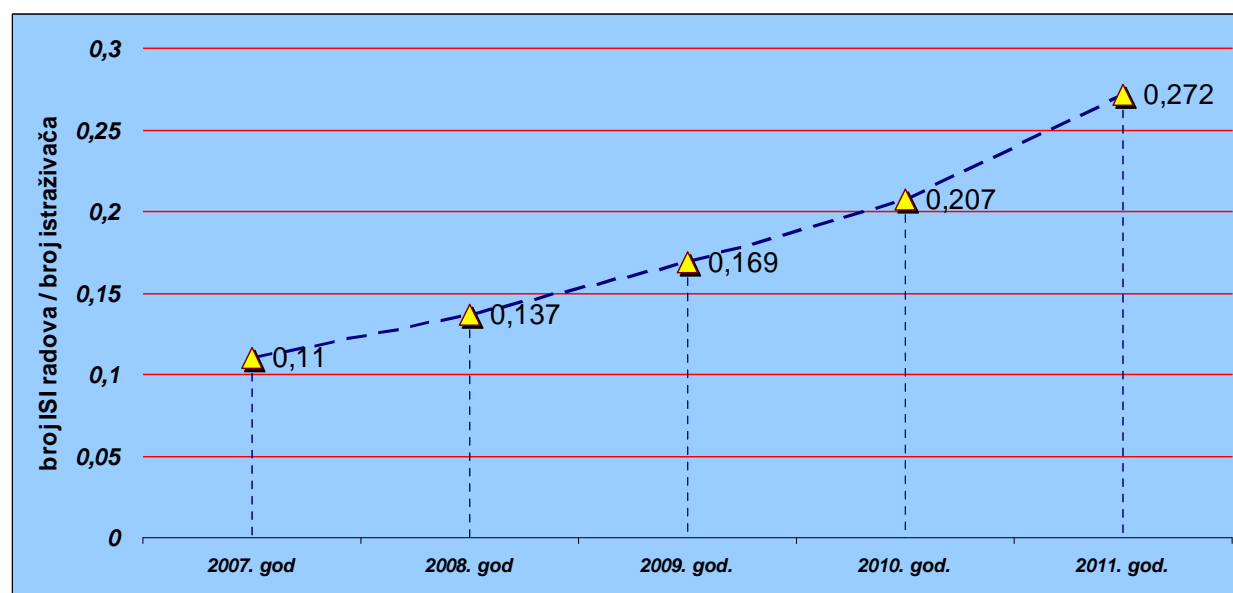
## **Pregled broja publikovanih radova u časopisima sa impakt faktorom**

Godina	M 21	M 22	M 23	Ukupno M21 M22 M23
2008.	31	19	31	81
2009.	44	19	43	104
2010.	45	20	69	134
2011.	52	27	125	204

Godišnji pregled broja radova M21, M22, M23 na FTN



Ukupan broj ISI radova godišnje u poslednjih šest godina



Odnos ukupnog broja radova sa ISI liste i broja zaposlenih u nastavnom i naučnom zvanju na FTN



# ЗБОРНИК РАДОВА ФАКУЛТЕТА ТЕХНИЧКИХ НАУКА

Едиција: Техничке науке - зборници  
Година: XXVI  
Број: 9/2011



УНИВЕРЗИТЕТ У НОВОМ САДУ  
ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА



# ***Naučna produkcija FTN - 2011. godina***



Organizatori:  
**UNIVERZITET U NOVOM SADU**  
**FAKULTET TEHNIČKIH NAUKA - NOVI SAD**



XVII skup **TRENDOVI RAZVOJA**

# TREND 2011

**EVROPA 2020**

**DRUŠTVO ZASNOVANO NA ZNANJU**



Pokrovitelji:

 <b>FOND ZA OTVORENO DRUŠTVO</b> Beograd	 <b>IEEE</b> Celebrating 125 Years <i>of Engineering the Future</i> Education Society Chapter Beograd	 Pokrajinski sekretarijat za nauku i tehnološki razvoj AP Vojvodine; Pokrajinski sekretarijat za obrazovanje AP Vojvodine, Novi Sad	 Ministarstvo za nauku i tehnološki razvoj Republike Srbije, Beograd	 Inženjerska komora Srbije, Beograd
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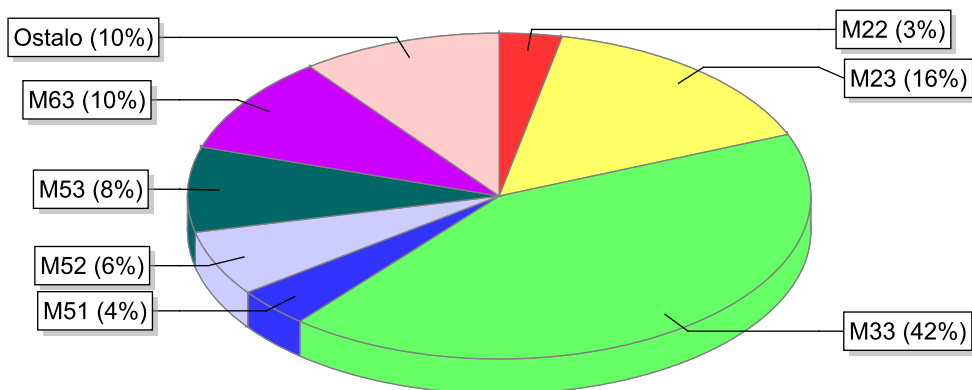


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za proizvodno mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	5
Rad u međunarodnom časopisu	M23	24
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	3
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	65
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	2
Monografska bibliografska publikacija	M43	1
Leksikografska jedinica u naučnoj publikaciji nacionalnog značaja	M47	1
Rad u vodećem časopisu nacionalnog značaja	M51	6
Rad u časopisu nacionalnog značaja	M52	10
Rad u naučnom časopisu	M53	13
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	15
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak	M83	1

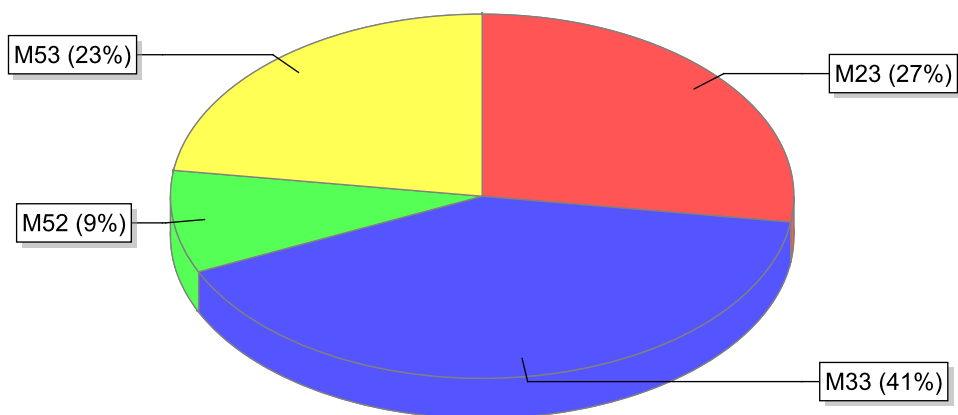


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procese obrade skidanjem materijala

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	6
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	5



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Cukor G., Jurković Z., Sekulić M. : Rotatable Central Composite Design of Experiments versus Taguchi Method in the Optimization of Turning, *Metalurgija*, 2011, Vol. 50, No 1, pp. 17-20, ISSN 0543-5846
2. Gostimirović M., Kovač P., Sekulić M. : An inverse heat transfer problem for optimization of the thermal process in machining, *Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science*, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499
3. Gostimirović M., Kovač P., Škorić B., Sekulić M. : Effect of Electrical Pulse Parameters on the Machining Performance of EDM, *INDIAN J ENG MATER S*, 2011, Vol. 18, No 6, pp. 411-415, ISSN 0971-4588
4. Gostimirović M., Sekulić M., Kopač J., Kovač P. : Optimal Control of Workpiece Thermal State in Creep-Feed Grinding Using Inverse Heat Conduction Analysis, *Strojnski vestnik = Journal of Mechanical Engineering*, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480
5. Škorić B., Kakaš D., Gostimirović M., Miletić A. : Nanoscale modification of hard coatings with ion implantation, *Materijali in tehnologije*, 2011, Vol. 45, No 5, pp. 447-450, ISSN 1580-2949, UDK: 669+666+678+53
6. Škorić B., Kakaš D., Miletić A., Arsenović M., Gostimirović M. : Tribochemical Characterization of Duplex Hard Coatings with Additional Ion Implantation, *Oxidation Communication*, 2011, Vol. 34, No 2, pp. 326-338, ISSN 0209-4541

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Gostimirović M., Kovač P., Sekulić M., Savković B. : INFLUENCE OF DISCHARGE PARAMETERS ON THE PERFORMANCE OF ELECTRICAL DISCHARGE MACHINING, 8. International Scientific Conference on Production Engineering - RIM, Velika Kladuša: University of Bihać, Technical Faculty, 29-1 Septembar, 2011, pp. 175-178
2. Gostimirović M., Kovač P., Sekulić M., Savković B. : THE RESEARCH OF DISCHARGE ENERGY IN EDM PROCESS, 34. International Conference on Production Engineering, Niš: Faculty of Mechanical Engineering, University of Niš, 28-30 Septembar, 2011, pp. 417-420, ISBN 978 – 86 – 6055 – 01
3. Hadžistević M., Nemedi I., Hodolić J., Sekulić M. : Comparison Results of Measuring Roundness on the Basis of Measuring Points, 15. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Prague, 12-18 Septembar, 2011
4. Kovač P., Savković B., Serdar B., Gostimirović M., Sekulić M. : COMPUTER ANALYSIS OF HEAT FLUX IN THE CUTTING ZONE, 5. PSU-UNS International Conference: Energy and the Environment, Phuket: Prince of Songkla University, Faculty of Engineering, Hat Yai, Songkhla, Thailand 90112, 2-3 Maj, 2011, pp. 661-664, UDK: <http://www.icet.eng.psu.ac.th> Paper id: 243 , Password: 3b4f73
5. Mutavdžić V., Jurković Z., Franulović M., Sekulić M. : Experimental investigation of surface roughness obtained by abrasive Water Jet Machining, 15. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Prague: Faculty of Mechanical Engineering in Zenica, 12-18 Septembar, 2011, pp. 73-76, ISBN ISSN 1840-4944
6. Pucovski V., Kovač P., Savković B. : CUTTING TEMPERATURE DURING FACE MILLING PREDICTED BY THE USE OF GENETIC ALGORITHM, 12. International Conference "Technology", Bratislava: Slovak University of Technology in Bratislava, 13 Septembar, 2011, pp. 333-337, ISBN 978-80-227-3545-2
7. Sekulić M., Gostimirović M., Kovač P., Savković B., Jurković Z. : OPTIMIZATION OF CUTTING PARAMETERS BASED ON TOOL CHIP INTERFACE TEMPERATURE IN TURNING PROCESS USING TAGUCHI'S METHOD, 15. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Prague: Faculty of Mechanical Engineering in Zenica, Fakultetska 1, Zenica, B&H , 12-18 Septembar, 2011, pp. 69-72, ISBN ISSN 1840-4944
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### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Kovač P., Mankova I., Gostimirović M., Sekulić M., Savković B. : A REVIEW OF MACHINING

MONITORING SYSTEMS, Journal of Production Engineering, 2011, Vol. 14, No 1, pp. 1-6, ISSN 1821-4932, UDK: 621

2. Kovač P., Savković B., Serdar B., Sekulić M. : MODELING MECHANICAL AND THERMAL LOAD OF GUTTING TOOL, Acta Technica Corviniensis, 2011, Vol. 4, No 4, pp. 77-80, ISSN 2067-3809

Spisak rezultata M53 - Rad u naučnom časopisu

1. Kovač P., Savković B., Mijic A., Sekulić M. : ANALITICAL AND EXPERIMENTAL STUDY OF CUTTING FORCE COMPONENTS IN FACE MILLING, Journal of Production Engineering, 2011, Vol. 14, No 1, pp. 15-18, ISSN 1821-4932, UDK: 621
2. Mankova I., Kovač P., Kundrak J., Beno J. : Finite element analysis of hardened steel cutting, Journal of Production Engineering, 2011, Vol. 14, No 1, pp. 7-10, ISSN 1821-4932
3. Nagy L., Palkova Z., Kovač P. : Matlab algorithms for the lighting control on the constant value, Journal of Production Engineering, 2011, Vol. 14, No 1, pp. 47-50, ISSN 1821-4932
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5. Subotić V., Gostimirović M., Savković B. : ISTRAŽIVANJE TAČNOSTI OBRADJE VODENIM MLAZOM, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 16, No 14, pp. 3259-3263, ISSN 0350-428X

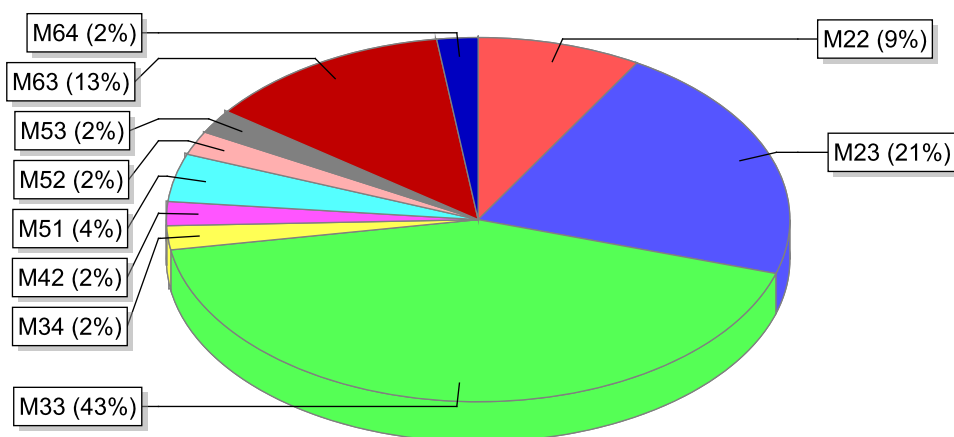


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za metrologiju, kvalitet, pribore, alate i ekološko-inženjerske aspekte

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	10
Saopštenje sa međunarodnog skupa štampano u celini	M33	20
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Bešić I., Van Gestel N., Kruth J., Bleys P., Hodolič J. : Accuracy improvement of laser line scanning for feature measurements on CMM, Optics and Lasers in Engineering, 2011, Vol. 49, No 11, pp. 1274-1280, ISSN 0143-8166
2. Budak I., Soković M., Barišić B. : Accuracy improvement of point data reduction with sampling-based methods by Fuzzy logic-based decision-making, MEASUREMENT, 2011, Vol. 44, No 6, pp. 1188-1200, ISSN 0263-2241
3. Kosec G., Nagode A., Budak I., Antić A., Kosec B. : Failure of the pinion from the drive of a cement mill, ENG FAIL ANAL, 2011, Vol. 18, pp. 450-454, ISSN 1350-6307
4. Tadić B., Todorović P., Vukelić Đ., Jeremić B. : Failure analysis and effects of redesign of a polypropylene yarn twisting machine, Engineering Failure Analysis, 2011, Vol. 18, No 5, pp. 1308-1321, ISSN 1350-6307

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Brajljil T., Tasić T., Drštvenček I., Valentan B., Hadžistević M., Pogačar V., Balić J., Ačko B. : Possibilities of Using Three-Dimensional Optical Scanning in Complex Geometrical Inspection, Strojnski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 826-833, ISSN 0039-2480
2. Kovačević D., Budak I., Antić A., Kosec B. : Special finite elements: Theoretical background and application, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 4, pp. 649-655, ISSN 1330-3651
3. Lazarević M., Ostojić G., Čosić I., Stankovski S., Vukelić Đ., Zečević I. : Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248
4. Milutinović M., Hadžistević M., Movrin D., Vrba I. : Non-conventional Methods for Shaping Plastics Parts, Materiale Plastice, 2011, pp. 2220-2260, ISSN 0025-5289
5. Ostojić G., Stankovski S., Vukelić Đ., Lazarević M., Hodolič J., Tadić B., Odri S. : Implementation of automatic identification technology in a process of fixture assembly/disassembly, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 819-825, ISSN 0039-2480
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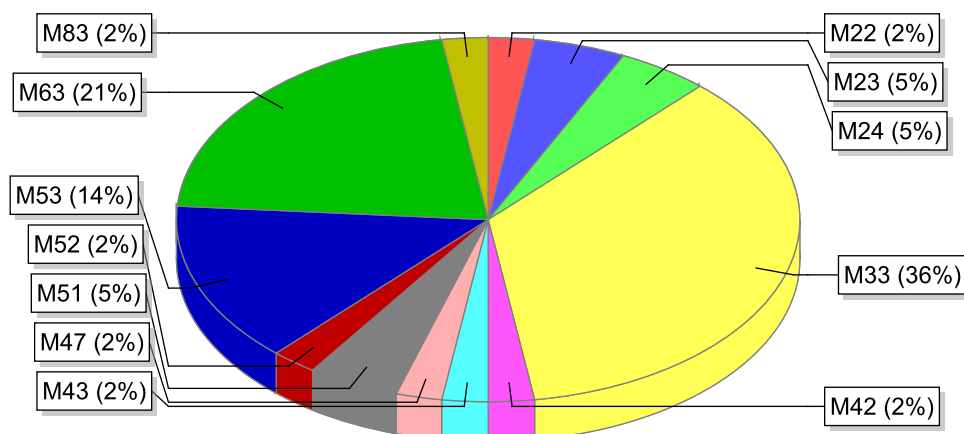
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašine alatke, tehnološke procese, fleksibilne tehnološke sisteme i procese

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	15
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Monografska bibliografska publikacija	M43	1
Leksikografska jedinica u naučnoj publikaciji nacionalnog značaja	M47	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	6
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	9
Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak	M83	1



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6. Košarac A., Zeljković M., Gatalo R., Trifković S. : Primjena tehnologije virtualne realnosti u fazi projektovanja koncepcionih rešenja fleksibilnih tehnoloških struktura različitog nivoa složenosti, 37. Jupiter konferencija, Beograd: Mašinski fakultet, 10-11 Maj, 2011, pp. 80-86, ISBN 978-86-7083-724-9
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8. Mikalački Ž., Tabaković S., Zeljković M., Živković A. : Projektovanje zglobnih prenosnika primenom savremenih programskih sistema, 37. Jupiter konferencija, Beograd: Mašinski fakultet, 10-11 Maj, 2011, pp. 36-41, ISBN 978-86-7083-724-9
9. Mladenović C., Tabaković S., Zeljković M., Gatalo R. : Virtuelni model kao osnova za kinematsku analizu mašine alatke, 37. Jupiter konferencija, Beograd: Mašinski fakultet, 10-11 Maj, 2011, pp. 1-6, ISBN 978-86-7083-724-9

Spisak rezultata M83 - Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak

1. Živković A., Zeljković M., Rodić M., Mijušković M., Borojev Lj., Tabaković S. : Opitni uređaj za određivanje veka integrisanog ležaja točka, 2011

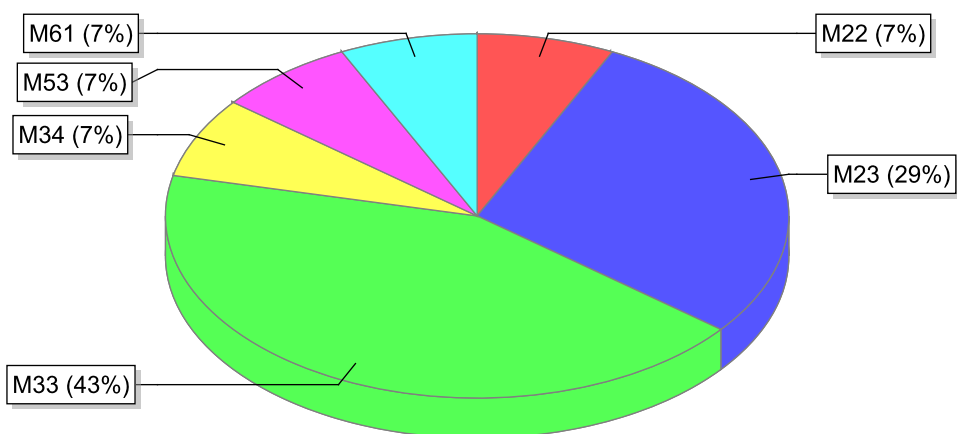


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za materijale i tehnologije spajanja

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u naučnom časopisu	M53	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Baloš S., Šiđanin (Sidjanin) L. : Metallographic study of non-homogenous armour impacted by armour-piercing incendiary ammunition, *Materials and Design*, 2011, Vol. 32, pp. 4022-4029, ISSN 0261-3069

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Alexandrov S., Vilotić D., Lyamina E., Šiđanin (Sidjanin) L. : Thickness of the layer of intense plastic deformation in the vicinity of the friction surface during upsetting of a cylinder with flat dies, *Journal of Applied Mechanics and Technical Physics*, 2011, Vol. 52, No 3, pp. 491-495, ISSN 0021-8944
2. Baloš S., Balos T., Šiđanin (Sidjanin) L., Marković D., Pilić B., Pavličević J. : Study of PMMA biopolymer properties treated by microwave energy, *Materiale Plastice*, 2011, Vol. 48, No 02, pp. 127-131, ISSN 0025-5289
3. Rajnović D., Baloš S., Šiđanin (Sidjanin) L., Radeka M., Vučetić S., Zorić D., Ranogajec J. : The influence of polymer addition on flexural strength, fracture mode and porosity of traditional ceramics, *Chemical Industry and Chemical Engineering Quarterly / CICEQ*, 2011, Vol. 17, No 2, pp. 223-230, ISSN 1451-9372
4. Vrač D., Šiđanin (Sidjanin) L., Baloš S. : Mechanical finishing honing: cutting regimes and surface texture, *Industrial Lubrication and Tribology*, 2011, Vol. 63, No 6, pp. 427-432, ISSN 0036-8792

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Baloš S., Šiđanin (Sidjanin) L., Rajnović D., Erić O. : ADI materials for ballistic protection, 34. International Conference on Production Engineering, Niš, 28-30 Septembar, 2011, pp. 91-94, ISBN 978-86-6055-019-6
2. Radisavljević I., Baloš S., Nikačević M. : Influence of add-on armor configuration on mass efficiency and ballistic behavior, 1. Military Technologies and Systems Conference - MT&S, Sofia, 8-9 Decembar, 2011, pp. 201-206
3. Radisavljević I., Baloš S., Nikačević M. : Perforated steel plates for ballistic application: correlation between mass efficiency and ballistic resistance, 4. International Scientific Conference on Defensive Technologies - OTEH, Beograd, 6-7 Oktobar, 2011, pp. 652-657
4. Rajnović D., Erić O., Baloš S., Damjanović M., Šiđanin (Sidjanin) L. : The microstructure and fracture mode study of alloyed ADI materials at low temperature , 10. Multinational Congress on Microscopy - MCM, Urbino, 4-9 Septembar, 2011, pp. 621-622
5. Rajnović D., Erić O., Damjanović M., Baloš S., Šiđanin (Sidjanin) L. : The crack propagation study in alloyed ADI materials , 34. International Conference on Production Engineering, Niš: UNIVERSITY OF NIŠ, FACULTY OF MECHANICAL ENGINEERING IN NIŠ, Aleksandra Medvedeva 14, 18000 Niš, Serbia , 28-30 Septembar, 2011, pp. 231-234, ISBN 978-86-6055-019-6
6. Spasojević D., Spasojević S., Damjanović M. : The specific features of equipment for ADI material production-environmental view, 11. International Conference "Research and Development in Mechanical Industry" – RaDMI, Soko Banja: SaTCIP (Scientific and Technical Center for Intellectual Property) , 15-18 Septembar, 2011, pp. 327-331, ISBN 978-86-6055-019-6

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Damjanović M., Rajnović D., Erić O., Baloš S., Šiđanin (Sidjanin) L. : ADI - an advanced engineering material , 10. Young Researchers Conference Material Sciences and Engineering, Beograd: Institute of Technical Sciences of SASA, Knez Mihailova 35/IV, 11000 Belgrade, Serbia , 21-23 Decembar, 2011, pp. 21-21, ISBN 978-86-80321-27-1 , UDK: 66.017/018(048)

### Spisak rezultata M53 - Rad u naučnom časopisu

1. Markuš A., Rajnović D., Šiđanin (Sidjanin) L. : Karakterizacija mikrostrukture superlegure nikla IN713 livene bez zaštitne vakuumske atmosfere, *Zbornik radova Fakulteta tehničkih nauka*, 2011, Vol. 26, No 6, pp. 1343-1346, ISSN 0350-428X

### Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

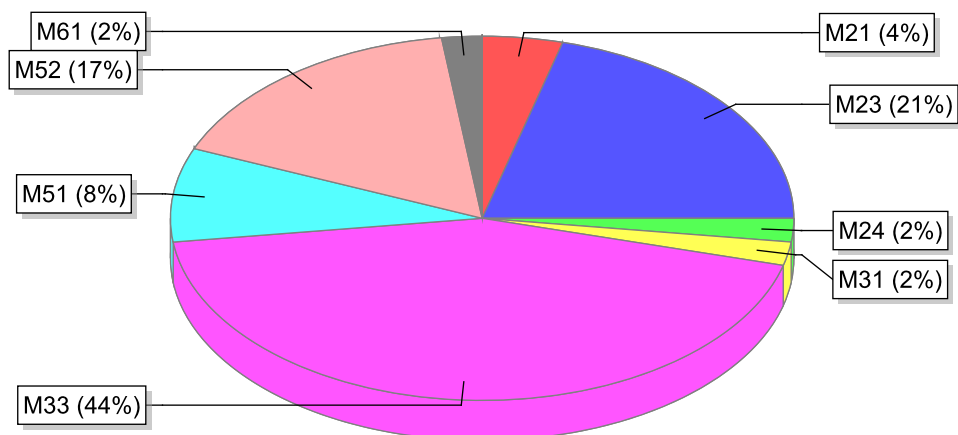
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije oblikovanjem i inženjerstvo površina

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u međunarodnom časopisu	M23	10
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	21
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u časopisu nacionalnog značaja	M52	8
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Milanović M., Stojanović G., Nikolić Lj., Radovanović M., Škorić B., Miletić A. : Electrical and structural characterisation of nanostructured titania coatings deposited on interdigitated electrode system, *Materials chemistry and physics*, 2011, Vol. 130, No 1-2, pp. 769-774, ISSN 0254-0584
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### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Alexandrov S., Vilotić D., Lyamina E., Šiđanin (Sidjanin) L. : Thickness of the layer of intense plastic deformation in the vicinity of the friction surface during upsetting of a cylinder with flat dies, *Journal of Applied Mechanics and Technical Physics*, 2011, Vol. 52, No 3, pp. 491-495, ISSN 0021-8944
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3. Kakaš D., Terek P., Kovačević L., Miletić A., Škorić B. : Influence of interfacial layer thickness and substrate roughness on adhesion of TiN coatings deposited at low temperatures by IBAD, *SURF REV LETT*, 2011, Vol. 18, No 3-4, pp. 83-90, ISSN 0218-625X
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8. Škorić B., Kakaš D., Miletić A., Arsenović M., Gostimirović M. : Tribochemical Characterization of Duplex Hard Coatings with Additional Ion Implantation, *Oxidation Communication*, 2011, Vol. 34, No 2, pp. 326-338, ISSN 0209-4541
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10. Vukelić Đ., Tadić B., Lužanin O., Budak I., Križan P., Hodolić J. : A rule-based system for fixture design, *Scientific Research and Essays*, 2011, Vol. 6, No 27, pp. 5787-5802, ISSN 1992-2248

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

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### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Plančak M., Car Z., Vilotić D., Movrin D., Jovanović N. : Joining of Bimetallic Axisymmetric Profiled Components by Upsetting In Closed Die, 2. International Conference on Innovative Technologies IN-TECH, Bratislava: World Association for Innovative Technologies, 1-3 Septembar, 2011, pp. 737-739, ISBN 978-80-904502-6-4

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Barišić B., Jurević M., Plančak M. : Comparison of Device for Measuring Surface Roughness , 12. International Conference: Automation in Production Planning and Manufacturing, Žilina: University of Zilina , 3-5 Maj, 2011, pp. 9-14, ISBN 978-80-89276-11-0
2. Kačmarčik I., Movrin D., Lužanin O., Skakun (Francuski) P., Plančak M., Vilotić D. : Determination of friction in bulk metal forming processes, 12. International Conference on Tribology - SERBIATRIB, Kragujevac, 11-13 Maj, 2011, pp. 111-116
3. Kakaš D., Škorić B., Miletić A., Terek P., Kovačević L., Vilotić M. : Influence of substrate roughness on adhesion of TiN films prepared by ion beam assisted deposition, 9. International Conference in

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4. Kakaš D., Škorić B., Miletić A., Terek P., Kovačević L., Vilotić M. : Influence of substrate roughness on adhesion strength of hard TiN films , 34. International Conference on Production Engineering, Niš: Univerzitet u Nišu, Mašinski fakultet u Nišu Aleksandra Medvedeva br 14 18000 Niš Srbija, 28-30 Septembar, 2011, pp. 79-82, ISBN 978 – 86 – 6055 – 01
5. Kakaš D., Škorić B., Terek P., Kovačević L., Vilotić M., Miletić A. : Influence of sliding speed and surface roughness on the friction coefficient and wear TiN coatings deposited at low temperature, 12. International Conference on Tribology - SERBIATRIB, Kragujevac: Mašinski fakultet Kragujevac, 11-13 Maj, 2011, pp. 131-137, ISBN 978-86-86663-74-0
6. Kakaš D., Škorić B., Terek P., Miletić A., Kovačević L., Vilotić M. : Influence of dry sliding conditions and coating roughness on the wear of titanium nitride coatings deposited at low temperature, 7. International Conference on Tribology - BALKANTRIB, Thessaloniki: Laboratory for Machine Tools and Manufacturing Engineering (EE??) of the Aristoteles University of Thessaloniki and of the Fraunhofer Project Center Coatings in Manufacturing (PCCM), 3-5 Oktobar, 2011, pp. 49-57, ISBN 987-960-98780-6-7
7. Kakaš D., Škorić B., Terek P., Miletić A., Kovačević L., Vilotić M. : Mechanical properties of TiN coatings deposited at different temperatures by IBAD, 34. International Conference on Production Engineering, Niš: Univerzitet u Nišu, Mašinski fakultet u Nišu Aleksandra Medvedeva br 14 18000 Niš Srbija, 28-30 Septembar, 2011, pp. 83-86, ISBN 978 – 86 – 6055 – 01
8. Miletić A. : Nano characterization of hard coatings with additional implantation, 12. International Conference on Tribology - SERBIATRIB, Kragujevac: Serbian Tribology Society , 11-13 Maj, 2011, pp. 121-125, ISBN 978-86-86663-74-0
9. Milutinović M., Vilotić D., Puškar T., Marković D., Ivanišević A. : Metal forming technologies in dental components production, 34. International Conference on Production Engineering, Niš, 28-30 Septembar, 2011, pp. 309-312, ISBN 978-86-6055-019-6
10. Nježić Z., Filipović S., Kormanjoš Š., Kovačević L., Filipović J., Filipović N., Psodorov Đ. : Technical solution for the biomass briquetting plant, 3. ISWA Beacon Conference, Novi Sad: ISWA - International Solid Waste Association; SeSWA - Serbian Solid Waste Association; Faculty of Technical Sciences, University of Novi Sad, 30-2 Novembar, 2011, pp. 128-135, ISBN 978-86-7892-361-6
11. Pepelnjak T., Kačmarčik I., Kokol A., Kuzman K. : Sustainable processing of aluminium alloys, 11. International Conference on Management of Innovative Technologies, Fiesa: TAVO, Slovene Society for Abrasive Water Jet Technology, 25-27 Septembar, 2011, pp. 236-241, ISBN 978-961-6536-57-8
12. Plančak M., Kuzman K., Vilotić D., Barišić B. : Experimental determination of friction coefficient in tube hydroforming , 2. International Scientific Conference on Engineering - MAT (Manufacturing and Advanced Technologies), Mostar: University Djemal Bijedic of Mostar , 18-20 Novembar, 2011, pp. 211-217, ISBN 1986-9126
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14. Plančak M., Puškar T., Lužanin O., Marković D., Skakun (Francuski) P., Movrin D. : Some aspects of rapid prototyping applications in medicine, 34. International Conference on Production Engineering, Niš: University of Niš, Faculty of Mechanical Engineering, Department for Production IT and Management, 28-30 Septembar, 2011, ISBN 978-86-6055-019-6
15. Plančak M., Vilotić D., Kačmarčik I., Movrin D., Stefanović M. : Contribution to the modeling of ring compression test for determination of friction in bulk metal forming processes , 4. International Conference on Manufacturing Engineering - ICMEN, Thessaloniki: Aristoteles University of Thessaloniki, Mechanical Engineering Department, 3-5 Oktobar, 2011, pp. 589-596, ISBN 987-960-98780-4-3
16. Skakun (Francuski) P. : Comparative investigation of different lubricants for bulk metal forming operations, 10. International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology - DEMI, Banja Luka: Faculty of Mechanical Engineering Banja Luka, 26-28 Maj, 2011, pp. 275-280, ISBN 978-99938-39-36-1
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19. Vilotić D., Plančak M., Alexandrov S., Ivanišević A., Movrin D., Milutinović M. : Numerical simulation of upsetting of prismatic billets by v-shape dies with experimental verification , 34. International Conference on Production Engineering, Niš: University of Niš, Faculty of Mechanical Engineering, Department for Production IT and Management, 28-30 Septembar, 2011, pp. 301-304, ISBN 978-86-6055-019-6
20. Vilotić M., Kakaš D., Miletić A., Kovačević L., Terek P. : Influence of friction coefficient on workpiece roughness in ring upsetting process, 34. International Conference on Production Engineering, Niš: Univerzitet u Nišu, Mašinski fakultet u Nišu Aleksandra Medvedeva br 14 18000 Niš Srbija, 28-30 Septembar, 2011, pp. 527-530, ISBN 978 – 86 – 6055 – 01
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Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Milutinović M., Hadžistević M., Movrin D., Vrba I. : Non-conventional Methods for Shaping Plastics Parts, Materiale Plastice, 2011, Vol. 48, No 3, pp. 222-226, ISSN 0025-5289
2. Plančak M., Car Z., Vilotić D., Movrin D., Kršulja M. : Upsetting of bimetallic components in closed die, Engineering Review, 2011, Vol. 31, No 2, pp. 105-109
3. Vilotić M., Kakaš D., Terek P., Kovačević L., Miletić A. : Neutral Radius Value Determination by Numerical Simulation Method at Ring Upsetting Test, Tribology in industry - International Journal of Yugoslav Tribology Society, 2011, Vol. 33, No 3, pp. 122-127, ISSN 0354-8996
4. Vukelić Đ., Tadić B., Jocanović M., Lužanin O., Simeunović N. : A System for Computer-Aided Selection of Cutting Tools, Acta Technica Corviniensis, 2011, Vol. 4, No 4, pp. 89-92, ISSN 2067-3809

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Blanuša V., Zeljković M., Vilotić D., Tabaković S. : The specificity of punch presses programming, Journal for Technology of Plasticity, 2011, Vol. 36, No 2, pp. 121-235, ISSN 0354-3870
2. Kačmarčik I., Movrin D., Ivanišević A. : One contribution to the friction investigation in bulk metal forming, Journal for technology of Plasticity, 2011, Vol. 36, No 1, pp. 35-48
3. Lazanja B., Barišić B., Car Z., Plančak M. : Accuracy inspection of a milling machine with ballbar system, WEB Electronic Journal - CA System in Production Process Planning, 2011, Vol. 12, No 1, pp. 79-82, ISSN 1335-3799
4. Plančak M., Barišić B., Vilotić D., Kačmarčik I., Movrin D., Skakun (Francuski) P., Milutinović M. : Analytical and numerical solution for friction calibration curve (FCC) in bulk metal forming, WEB Electronic Journal - CA System in Production Process Planning, 2011, Vol. 12, No 1, pp. 107-110, ISSN 1335-3799
5. Plančak M., Kuzman K., Vilotić D., Pepelnjak T., Kačmarčik I., Movrin D. : Experimental investigation of non-uniform deformation in tube hydroforming , Metalurgija - Journal of Metallurgy, 2011, Vol. 17, No 3, pp. 131-138, ISSN 0354-6306
6. Romeo M., Kršulja M., Barišić B., Plančak M. : CMM measurement and measurement quality plan for dimension control, WEB Electronic Journal - CA System in Production Process Planning, 2011, Vol. 12, No 1, pp. 87-90, ISSN 1335-3799
7. Vilotić D., Plančak M. : Experimental tooling for contact stress measurement in bulk metal forming processes, Journal for technology of Plasticity, 2011, Vol. 36, No 1, pp. 9-16
8. Vukelić Đ., Budak I., Tadić B., Lužanin O., Hadžistević M., Križan P. : Automated generation of workpiece locating scheme in fixture design, IIPP - Istraživanja i projektovanja za privredu, 2011, Vol. 9, No 3, pp. 383-392, ISSN 1451-4117

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

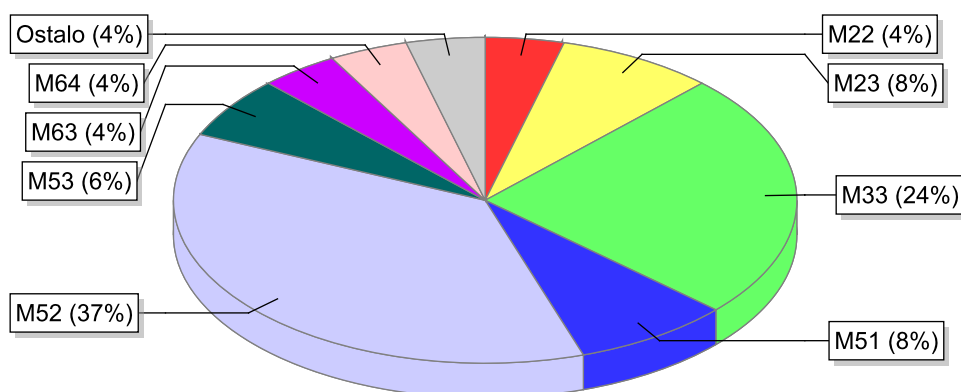
1. Kakaš D., Škorić B., Vilotić M., Terek P., Miletić A., Kovačević L. : Nanomodifikacije površina – unapređenje karakteristika materijala, 1. Savetovanje: Napredni materijali i mogućnosti njihove primene, Požarevac: Narodna tehnika Požarevac, Društvo hemičara, tehnologa i metalurga Požarevac, Veljka Dugoševića 14 Požarevac, 21 Decembar, 2011, pp. 30-39, ISBN 978-86-911159-2-0

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za mehanizaciju i konstrukciono mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	4
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	12
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u časopisu nacionalnog značaja	M52	18
Rad u naučnom časopisu	M53	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2

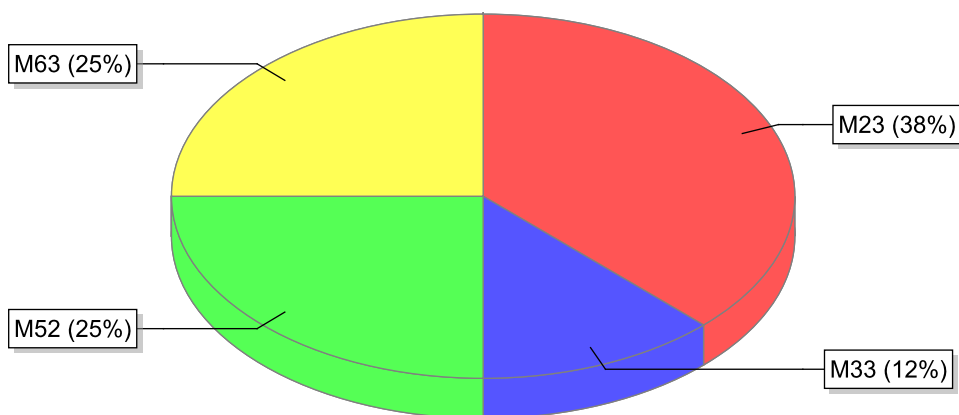


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašinske konstrukcije, transportne sisteme i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Rad u časopisu nacionalnog značaja	M52	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2





## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Vladić J., Đokić R., Kljajin M., Karakašić M. : Modelling and simulations of elevator dynamic behaviour, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 3, pp. 423-434, ISSN 1330-3651, UDK: 62(05)=163.42=111
2. Zuber N., Bajric R., Karic S. : Experimental vibration investigation of an industrial beater wheel mill, TTEM. Technics technologies education management, 2011, Vol. 5, No 4, pp. 688-692, ISSN 1840-1503
3. Zuber N., Šostakov R., Bajrić R. : Application of vibration signal analysis and artificial intelligence methods in fault identification of rolling element bearings, Technics Technologies Education Management, 2011, Vol. 6, No 1, pp. 3-10, ISSN 1840-1503

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Živanić D., Vladić J., Đokić R. : Moving walks – design, characteristics and applications in public transports, 3. Towards a humane city, Novi Sad: Faculty of technical sciences, 27-28 Oktobar, 2011, pp. 239-244, ISBN 978-86-7892-349-4

### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Vladić J., Đokić R., Živanić D. : Dynamic models and analysis of electric elevators, Machine Design, 2011, Vol. 3, No 1, pp. 27-30, ISSN 1821-1259
2. Živanić D., Vladić J., Đokić R. : Recommendation for choice of order picking methods and technologies, Machine Design, 2011, Vol. 3, No 1, pp. 51-54, ISSN 1821-1259

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

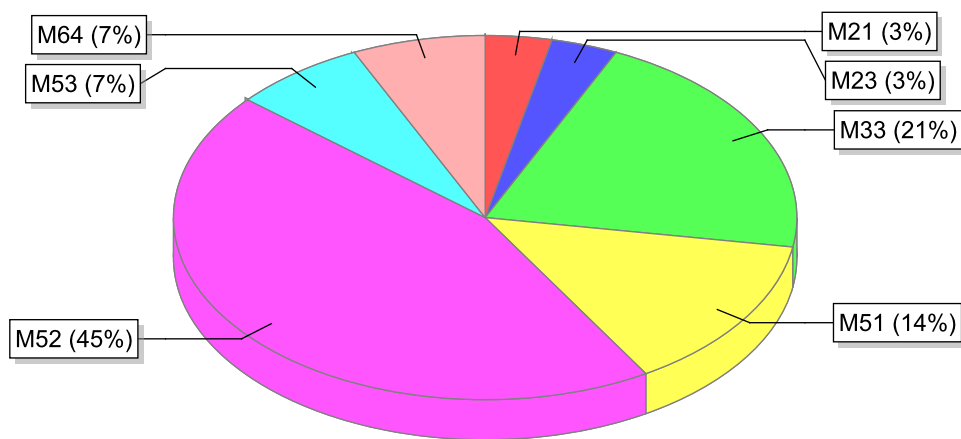
1. Đokić R. : Design of modern order picking systems, 4. Transport i logistika, Niš: Mašinski fakultet, 27 Maj, 2011, pp. 25-30, ISBN 978-86-6055-014-1
2. Živanić D., Vladić J., Đokić R. : Пројектовање савремених система за комисионирање, 4. Transport i logistika, Niš: Mašinski fakultet, 27 Maj, 2011, pp. 25-30, ISBN 978-86-6055-014-1

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za motore i vozila

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u časopisu nacionalnog značaja	M52	13
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Antonić Ž., Nikolić N., Radomirović D. : On the influence of a pin type on the friction losses in pin bearings, Mechanism and Machine Theory, 2011, Vol. 46, pp. 975-985, ISSN 0094-114X

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Dorić J., Klinar I. : The realisation and analysis of a new thermodynamic cycle for internal combustion engine, Thermal Science - International Scientific Journal, 2011, Vol. 15, No 4, ISSN 0354-9836

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Dorić J. : One Approach for Modeling Miller Cycle Engine, 10. CAR — The International Congress on Automotive, Pitești: FISITA, 2-4 Novembar, 2011, ISBN 1453-1100
2. Dorić J., Klinar I., Čepić Z. : One approach for improvement of spark ignition engine efficiency, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: Mašinski fakultet Univerziteta u Nišu, 18-21 Oktobar, 2011, pp. 742-751, ISBN 978-86-6055-018-9
3. Karanović N., Čepić Z., Dorić J., Mihajlović I., Stošić M., Vojinović-Miloradov M. : End-of-life-vehicles: Source of Fe-Metals and Environmental Impact of Schredder Plant in Serbia, 1. The international conference Engineering of Environment Protection - TOP, Bratislava, 5-10 Jun, 2009
4. Poznić A., Časnji F., Stojić B. : Analysis of a cylindrical Magnetorheological Fluid Brake, 10. CAR — The International Congress on Automotive, Pitești: University of Pitesti , 2-4 Novembar, 2011, ISBN 1453-1100
5. Ružić D., Časnji F., Poznić A. : Efficiency assessment of different cab air distribution system layouts, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: Univerzitet u Nišu, Mašinski fakultet, 18-21 Oktobar, 2011, pp. 819-828, ISBN 978-86-6055-018-9
6. Stojić B., Poznić A., Časnji F. : Test facility for investigations of tractor tire dynamic behavior on hard surfaces, 39. 39th INTERNATIONAL SYMPOSIUM: ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Opatija: Sveučilište u Zagrebu, Agronomski fakultet, Zavod za mehanizaciju poljoprivrede, 22-25 Februar, 2011, pp. 119-127, ISBN 1333-2651, UDK: 631

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Dorić J., Klinar I., Dorić M. : Constant Volume Combustion Cycle for IC Engine, FME Transactions, 2011, Vol. 29, No 3, pp. 97-104, ISSN 1451-2092
2. Dorić J., Klinar I., Nikolić N. : Nekonvencionalni osmotaktni ciklus motora sa unutrašnjim sagorevanjem, IMK-14, 2011, Vol. 40, No 3, pp. 31-36, ISSN ISSN 0354-6829, UDK: 621
3. Nikolić N., Antonić Ž., Dorić J. : Usporedni prikaz dva analitička postupka konstruisanja polarnog dijagrama opterećenja glavnih ležišta kolenastog vratila, IMK-14 - Istraživanje i razvoj, 2011, Vol. 1, No 38, pp. 3-10, ISSN 0354-6829, UDK: 621
4. Nikolić N., Torović T., Antonić Ž., Dorić J. : An Algorithm for Obtaining Conditional Wear Diagram of IC Engine Crankshaft Main Journals, FME Transactions, 2011, Vol. 39, No 4, pp. 157-164, ISSN 1451-2092

### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Antonić Ž., Nikolić N., Torović T., Dorić J. : JEDAN MATEMATIČKI MODEL ZA ODREĐIVANJE RASPODELE TEMPERATURE U KLIZNOM RADIJALNOM LEŽIŠTU, Traktori i pogonske mašine, 2011, Vol. 16, No 4, pp. 56-62, ISSN 0354-9496, UDK: 631.372
2. Časnji F. : Transportna sredstva na malim gazdinstvima, Traktori i pogonske mašine, 2011, Vol. 16, No 2, pp. 48-53, ISSN 0354-9496, UDK: 631.372
3. Časnji F., Poznanović N., Stojić B., Poznić A. : Transportna sredstva na malim gazdinstvima, Traktori i pogonske mašine, 2011, Vol. 16, No 2, pp. 48-53, ISSN 0354-9496, UDK: 631.372
4. Dorić J., Klinar I., Antonić Ž., Dorić M., Stojić B. : Poređenje performansi oto motora pogonjenih primarnim i alternativnim gorivom, Traktori i pogonske mašine, 2011, Vol. 16, No 2, pp. 61-67, ISSN 0354-9496, UDK: 631.372
5. Dorić J., Ružić D., Klinar I., Stojić B. : Unapređenje efikasnosti parcijalnih karakteristika oto motora, Traktori i pogonske mašine, 2011, Vol. 16, No 2, pp. 54-60, ISSN 0354-9496, UDK: 631.372
6. Poznić A., Časnji F., Stojić B. : Potencijali iskorišćenja magnetoreološke kočnice kod poljoprivrednih traktora, Traktori i pogonske mašine, 2011, Vol. 16, No 2, pp. 75-79, ISSN 0354-9496, UDK: 631.372
7. Ružić D. : Improvement of thermal comfort in a passenger car by localized air distribution, Acta Technica

Corviniensis, 2011, Vol. 4, No 1, pp. 63-67, ISSN 2067-3809

8. Ružić D., Časnji F. : Analiza učinka sistema za distribuciju vazduha u traktorskoj kabini primenom CFD metode, Traktori i pogonske mašine, 2011, Vol. 16, No 2, pp. 83-87, ISSN 0354-9496, UDK: 629.06: 631.3
9. Ružić D., Časnji F. : KONSTRUKTIVNI PARAMETRI KABINE OD UTICAJA NA TOPLOTNU INTERAKCIJU IZMEĐU ČOVEKA I KABINE, Poljoprivredna tehnika, 2011, Vol. 36, No 1, pp. 11-19, ISSN 0554-5587, UDK: 629.06: 631.3
10. Ružić D., Časnji F. : Personalized ventilation concept in mobile machinery cab, Mobility & Vehicle Mechanics - International Journal for Vehicle Mechanics, Engines and Transportation Systems, 2011, Vol. 37, No 1, pp. 7-22, ISSN 1450-5304, UDK: 631.3:628.87
11. Stojić B., Časnji F., Poznić A. : Analiza potrebnih karakteristika pogonskog motora poljoprivrednog transportera, Poljoprivredna tehnika, 2011, Vol. 36, No 3, pp. 11-18, ISSN 0554-5587, UDK: 631
12. Stojić B., Časnji F., Poznić A., Dorić J. : Modulizacija poljoprivrednog transportera, Traktori i pogonske mašine, 2011, Vol. 16, No 4, pp. 7-12, ISSN 0354-9496, UDK: 631.372
13. Stojić B., Časnji F., Poznić A., Dorić J. : Preliminarna analiza osnova za izbor koncepta i konstruktivnih parametara poljoprivrednog transportera, Traktori i pogonske mašine, 2011, Vol. 16, No 4, pp. 13-20, ISSN 0354-9496, UDK: 631.372

Spisak rezultata M53 - Rad u naučnom časopisu

1. Dorić J., Klinar I., Dorić M. : One approach for modelling intermittent motion mechanism with noncircular gears, Machine Design, 2011, Vol. 3, No 2, pp. 121-127, ISSN 1821-1259, UDK: 62-11:658.512.2
2. Ružić D., Časnji F. : Agricultural tractor cab characteristics relevant for microclimatic conditions, IIPP - Istraživanja i projektovanja za privredu, 2011, Vol. 9, No 2, pp. 323-330, ISSN 1451-4117

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

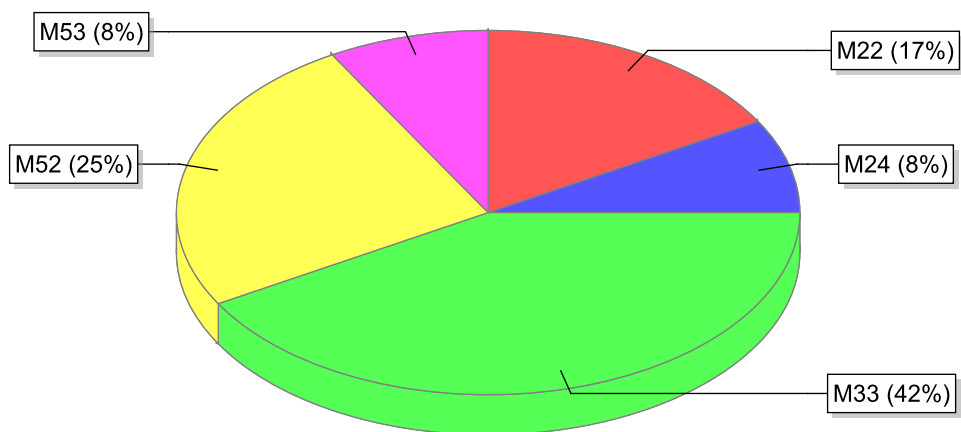
1. Dorić J., Klinar I. : Ekološke i eksploatacione karakteristike Oto motora pogonjeni tečnim naftnim gasom, 16. GAS, Kladovo: Udruženje za gas Srbije, 17-20 Maj, 2011, ISBN 0354-8589, UDK: 662.76
2. Torović T., Antonić Ž., Nikolić N., Dorić J. : OSNOVNE KARAKTERISTIKE PETE GENERACIJE UREĐAJA ZA TNG, 16. GAS, Kladovo, 17-20 Maj, 2011, ISBN YUISSN0354 - 8589, UDK: 662.76

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašinske elemente, teoriju mašina i mehanizama

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	5
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V. : Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991
2. Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica R. : System for femoral tunnel position determination based on the X - ray., HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Milojević Z., Navalušić S., Zeljković M., Vičević M., Beju L. : Haptic interaction program systems development as a part of virtual environment, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 61-66, ISSN 1583-7904

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Barišić B., Kuzmanović S., Rackov M. : EFFECT OF EXTERNAL LOADS AT THE OUTPUT SHAFT END OF UNIVERSAL WORM GEAR REDUCER ON ITS THERMAL CAPACITY, 7. IRMES-Naučno-stručni skup Istraživanje i razvoj mašinskih elemenata i sistema, Zlatibor: University of Niš, Mechanical Engineering Faculty, 27-28 April, 2011, pp. 535-540, ISBN 978-86-6055-012-7
2. Kuzmanović S., Rackov M. : EVALUATION OF CONCEPTUAL SOLUTIONS OF UNIVERSAL HELICAL TWO STAGE GEAR UNITS, 10. International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology - DEMI, Banja Luka: University of Banja Luka, Faculty of Mechanical Engineering, 26-28 Maj, 2011, pp. 151-158, ISBN 978-99938-39-36-1
3. Kuzmanović S., Rackov M. : SERVICE LIFE OF UNIVERSAL GEAR REDUCERS, 22. DAAAM International Symposium, Vienna: DAAAM INTERNATIONAL VIENNA, INTERNATIONAL ACADEMY OF ENGINEERING, VIENNA UNIVERSITY OF TECHNOLOGY, UNIVERSITY OF APPLIED SCIENCES, TECHNIKUM VIENNA AND AUSTRIAN SOCIETY OF ENGINEERS AND ARCHITECTS - ÖIAV 1848, EDITOR: B.[RANKO] KATALINIC, 23-26 Novembar, 2011, pp. 1097-1098, ISBN 1726-9679
4. Milojević Z., Navalušić S., Zeljković M., Vičević M., Beju L. : EXAMPLES OF DEVELOPMENT OF PROGRAM SYSTEMS WITH HAPTIC INTERACTION, 5. International Conference on Manufacturing Science and Education - MSE, Sibiu, 2-5 Jun, 2011
5. Rackov M., Kuzmanović S. : PROPOSAL OF ASSESSMENT METHOD FOR THE CONCEPTUAL DESIGN OF UNIVERSAL HELICAL GEAR REDUCERS, 7. IRMES-Naučno-stručni skup Istraživanje i razvoj mašinskih elemenata i sistema, Zlatibor: University of Niš, Mechanical Engineering Faculty, 27-28 April, 2011, pp. 469-474, ISBN 978-86-6055-012-7

### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Kuzmanović S., Rackov M. : THE INFLUENCE OF AXIAL LOAD AT OUTPUT SHAFT OF UNIVERSAL WORM AND HELICAL-WORM GEAR UNITS ON THEIR THERMAL POWER CAPACITY, Annals of Faculty Engineering Hunedoara - International Journal of Engineering, 2011, Vol. 9, No 1, pp. 167-170, ISSN 1584-2665
2. Kuzmanović S., Rackov M. : THE INFLUENCE OF OVERHUNG AND AXIAL LOADS AT OUTPUT SHAFT OF UNIVERSAL WORM AND HELICAL-WORM GEAR UNITS ON THEIR THERMAL POWER CAPACITY, Acta Technica Corviniensis, 2011, Vol. 4, No 1, pp. 55-58, ISSN 2067-3809
3. Vereš M., Bošanský M., Rackov M. : THEORETICAL AND EXPERIMENTAL RESEARCH OF THE HCR GEAR'S CONTACT STRENGTH, Machine Design, 2011, Vol. 3, No 2, pp. 105-108, ISSN 1821-1259

### Spisak rezultata M53 - Rad u naučnom časopisu

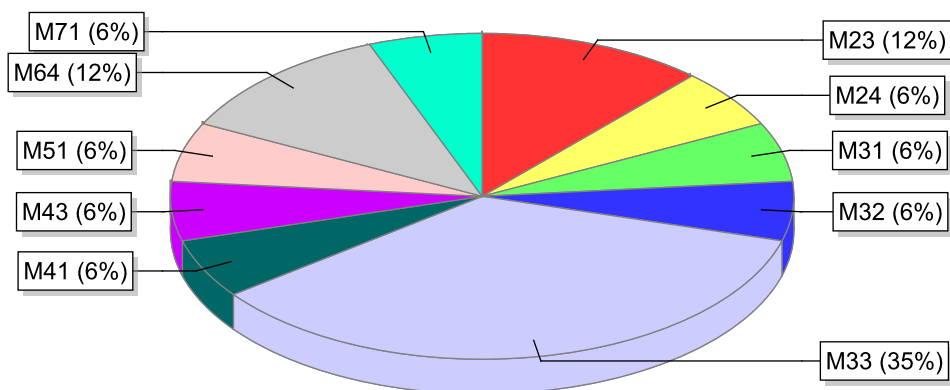
1. Rackov M., Kuzmanović S. : PROPOSAL OF ASSESSMENT METHOD FOR THE CONCEPTUAL DESIGN OF UNIVERSAL HELICAL GEAR REDUCERS, Balkan Journal of Mechanical Transmissions - BJMT, 2011, Vol. 1, No 2, pp. 69-75, ISSN 2069-5497

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku i procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Istaknuta monografija nacionalnog značaja	M41	1
Monografska bibliografska publikacija	M43	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Odbranjena doktorska disertacija	M71	1

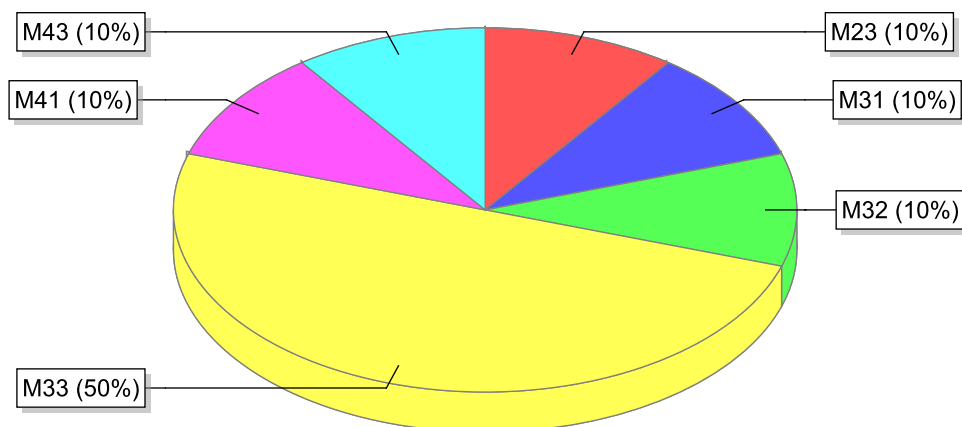


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za toplotnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	5
Istaknuta monografija nacionalnog značaja	M41	1
Monografska bibliografska publikacija	M43	1





## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Gvozdenac D., Petrović J., Gvozdenac Urošević B. : Industrial Gas Turbine Operation Procedure Improvement, Thermal Science - International Scientific Journal, 2011, Vol. 15, No 1, pp. 17-28, ISSN 0354-9836

### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Grković V. : Education, Science and Technology - Trends and Achievements, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: University of Niš, Faculty of Mechanical Engineering Niš, 18-21 Oktobar, 2011, ISBN 978-86-6055-020-2

### Spisak rezultata M32 - Predavanje po pozivu sa međunarodnog skupa štampano u izvodu

1. Gvozdenac D. : Granice energetske efikasnosti , 2. Industrijska energetika i zaštita životne sredine, IEEP, Zlatibor, 22-26 Jun, 2010

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Anđelković A., Đaković D. : "DUOBLE SKIN FAÇADES – DEFINITION AND CONCEPT, HISTORICAL DEVELOPMENT, ADVANTAGES AND DISADVANTAGES" 15th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Serbia, October 18–21, 2011, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: University of Niš, Faculty of Mechanical Engineering Niš 2011, 18-21 Oktobar, 2011, pp. 638-648, ISBN 978-86-6055-018-9
2. Anđelković A., Petrović J., Spasojević M. : HEAT SUPPLY SAFETY IN DISTRICT HEATING SYSTEMS OF VOJVODINA PROVINCE , 5. PSU-UNS International Conference on Engineering and Technology - ICET, Phuket: Faculty of Engineering, Prince of Songkla University, 2-3 Maj, 2011, pp. 803-808, UDK: <http://www.icet.eng.psu.ac.th>
3. Čenajac A., Bjelaković R., Anđelković A. : USE OF UNDERGROUND WATER ENERGY FOR IMPROVEMENT OF ENERGY EFFICIENCY IN CIVIL BUILDINGS , 20. International Conference Building Service and Ambient Comfort, Timisoara: Editura Politehnica 2011, 1-31 Januar, 2010, pp. 358-367, ISBN 1842-9491
4. Đaković D., Anđelković A. : "HOW TO DETERMINE WHEN DRYING INTERVALS START AND FINISH DURING GRAIN DRYING" 15th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Serbia, October 18–21, 2011, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: University of Niš, Faculty of Mechanical Engineering Niš 2011, 18-21 Oktobar, 2011, pp. 829-833, ISBN 978-86-6055-018-9
5. Rodić D., Anđelković A., Bjelaković R. : "APPLIANCE OF THERMAL OVERSTRAIN ON DUCT FREE MAIN HEATING PIPELINE „BORIK“ OF DISTRICT HEATING SISTEM OF CITY BANJA LUKA USING PRE-INSULATED PIPES PRODUCED BY ISOPLUS" , 42. International Congress on Heating, Refrigerating and Air-Conditioning, Beograd: Savez mašinskih i elektrotehničkih inženjera i tehničara Srbije-SMEITS, Društvo za grejanje, hlađenje i klimatizaciju-KGH, 30-2 Novembar, 2011, pp. 107-114, ISBN 987-86-81505-61-8

### Spisak rezultata M41 - Istaknuta monografija nacionalnog značaja

1. Grković V. : Termoenergetska postrojenja - projektovanje, tehnologija rada i upravljanje rizicima, Novi Sad, Fakultet tehničkih nauka, 2011, ISBN 978-86-7892-373-9, UDK: 621.1(075.8)

### Spisak rezultata M43 - Monografska bibliografska publikacija

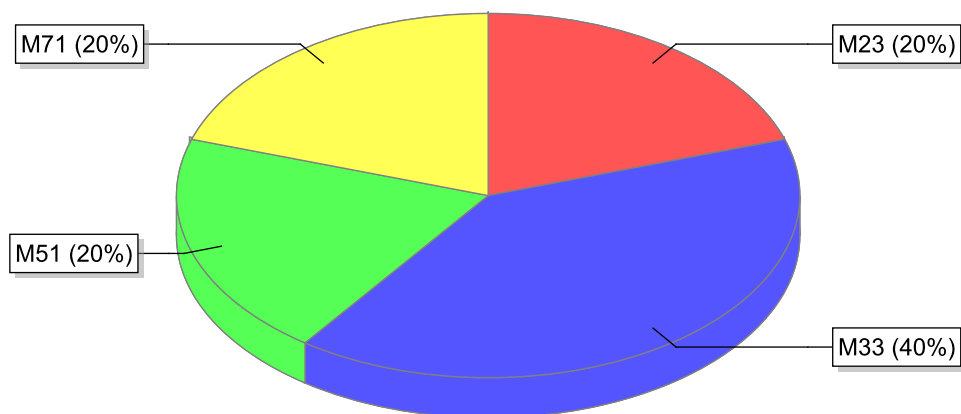
1. Gvozdenac Urošević B., Gvozdenac D., Petrović J. : Toplifikacioni sistem Novog Sada - 50 godina, novi sad, Novosadska toplana, 2011, ISBN 978-86-914901-0-2, UDK: 005.71:697.34(497.113 Novi Sad)

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	2
Rad u vodećem časopisu nacionalnog značaja	M51	1
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Uzelac D., Bikić S., Đurđević M., Bordeasu I. : Change in the Depth of Scratch on the Polyethylene Gas Pipe after Squeezing with the Squeeze - off Tool, *Materiale Plastice*, 2011, Vol. 48, No 1, pp. 12-16, ISSN 0025-5289

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Anđelković A., Đaković D. : "DUOBLE SKIN FAÇADES – DEFINITION AND CONCEPT, HISTORICAL DEVELOPMENT, ADVANTAGES AND DISADVANTAGES" 15th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Serbia, October 18–21, 2011, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: University of Niš, Faculty of Mechanical Engineering Niš 2011, 18-21 Oktobar, 2011, pp. 638-648, ISBN 978-86-6055-018-9
2. Đaković D., Anđelković A. : "HOW TO DETERMINE WHEN DRYING INTERVALS START AND FINISH DURING GRAIN DRYING" 15th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Serbia, October 18–21, 2011, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: University of Niš, Faculty of Mechanical Engineering Niš 2011, 18-21 Oktobar, 2011, pp. 829-833, ISBN 978-86-6055-018-9

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bukurov M., Bikić S., Đurđević M., Dragutinović G., Ilin S. : Heat exchangers with perforated plates/Izmenjivači toplote sa perforiranim pločama, *Journal on Processing and Energy in Agriculture*, 2011, Vol. 15, No 3, pp. 179-182, ISSN 1821-4487, UDK: 631.55/56:620.92

### Spisak rezultata M71 - Odbranjena doktorska disertacija

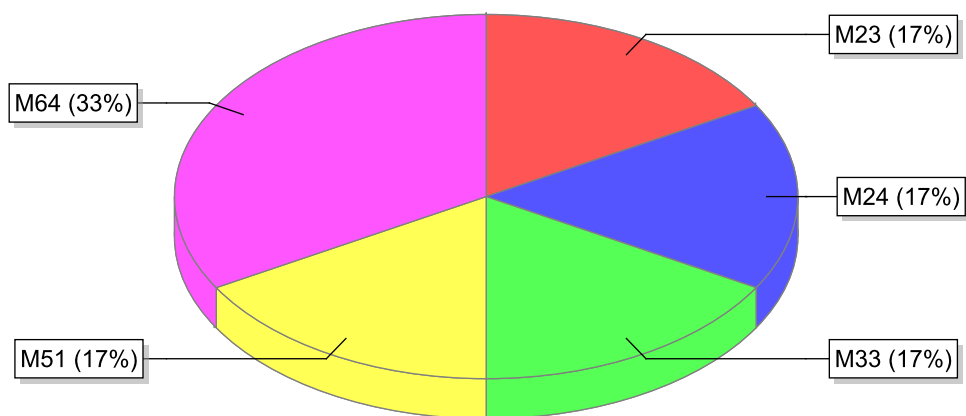
1. Đaković D. : Modelovanje fenomena prenosa toplote i mase pri sušenju zrnastih materijala u sušari, Novi Sad, Fakultet tehničkih nauka, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehaniku fluida i hidropneumatske sisteme

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Uzelac D., Bikić S., Đurđević M., Bordeasu I. : Change in the Depth of Scratch on the Polyethylene Gas Pipe after Squeezing with the Squeeze - off Tool, *Materiale Plastice*, 2011, Vol. 48, No 1, pp. 12-16, ISSN 0025-5289

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Milojević Z., Navalušić S., Zeljković M., Vičević M., Beju L. : Haptic interaction program systems development as a part of virtual environment, *Academic Journal of Manufacturing Engineering – AJME*, 2011, Vol. 9, No 2/2011, pp. 61-66, ISSN 1583-7904

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Milojević Z., Navalušić S., Zeljković M., Vičević M., Beju L. : EXAMPLES OF DEVELOPMENT OF PROGRAM SYSTEMS WITH HAPTIC INTERACTION, 5. International Conference on Manufacturing Science and Education - MSE, Sibiu, 2-5 Jun, 2011

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bukurov M., Bikić S., Đurđević M., Dragutinović G., Ilin S. : Heat exchangers with perforated plates/Izmenjivači toplote sa perforiranim pločama, *Journal on Processing and Energy in Agriculture*, 2011, Vol. 15, No 3, pp. 179-182, ISSN 1821-4487, UDK: 631.55/56:620.92

### Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

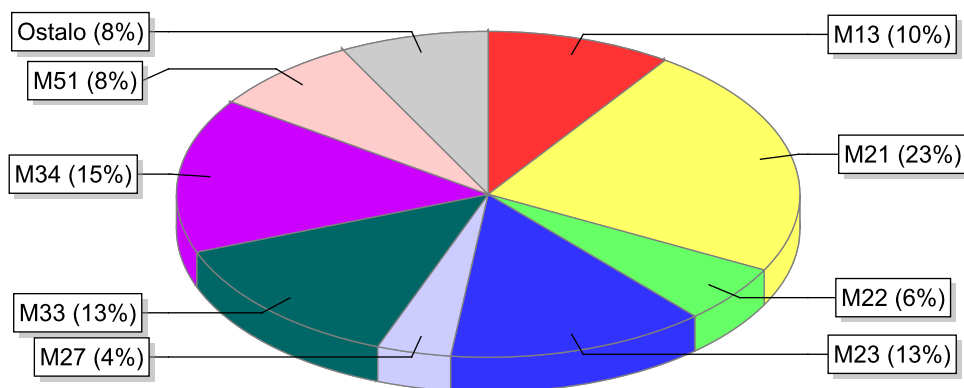
1. Uzelac D. : PROTOTIP NOVOG ODORIZATORA SA UBRIZGAVANJEM ODORANTA AODP - 01, 16. GAS, Kladovo: Udruženje za gas Srbije, 17-20 Maj, 2011
2. Uzelac D., Ostojić V., Malešević I. : BAŽDARENJE REGULATORA ZA GAS, 16. GAS, Kladovo, 17-20 Maj, 2011

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	5
Uređivanje naučne monografije ili tematskog zbornika vodećeg međunarodnog značaja	M17	1
Rad u vrhunskom međunarodnom časopisu	M21	12
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	7
Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)	M27	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	4
Odbranjena doktorska disertacija	M71	1

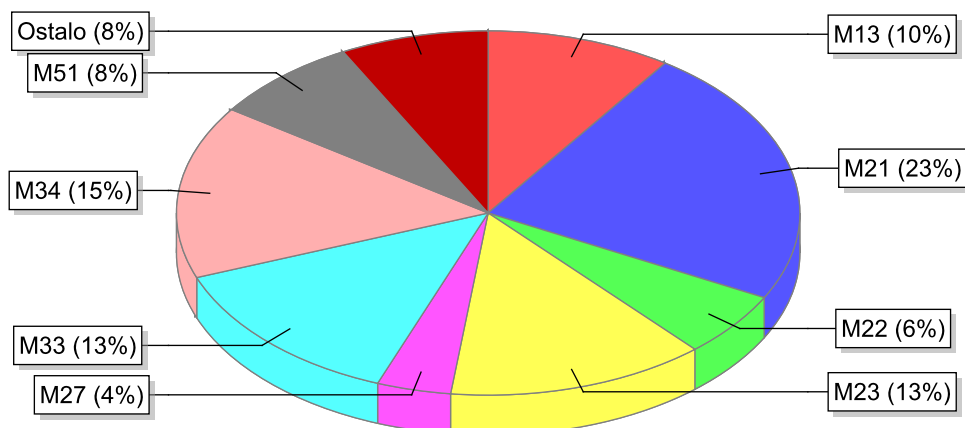


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	5
Uređivanje naučne monografije ili tematskog zbornika vodećeg međunarodnog značaja	M17	1
Rad u vrhunskom međunarodnom časopisu	M21	12
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	7
Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)	M27	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	4
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Brennan M., Kovačić I. : Examples of Physical Systems Described by the Duffing Equation, 'The Duffing Equation: Nonlinear Oscillators and their Behaviour' Kovacic, I., Brennan, M.J. (Eds), John Willey & Son, 2011, str. 25-54, ISBN 9780470715499
2. Cvetičanin L. : Analysis Technique for the Various Forms of the Duffing Equation. Sec.4, in the Duffing Equation: Nonlinear Oscillators and their Behaviour, Ed. I. Kovacic & M.J. Brennan, Wiley, 2011., 2011
3. Kovačić I., Brennan M. : Background: On Georg Duffing and the Duffing Equation,'The Duffing Equation: Nonlinear Oscillators and their Behaviour' Kovacic, I., Brennan, M.J. (Eds), John Willey & Son, 2011, str. 1-24, ISBN 9780470715499
4. Kovačić I., Brennan M. : Forced Harmonic Vibration of an Asymmetric Duffing Oscillator, 'The Duffing Equation: Nonlinear Oscillators and their Behaviour' Kovacic, I., Brennan, M.J. (Eds), John Willey & Son, 2011, str. 277-322, ISBN 9780470715499
5. Simić S. : Shock Structure in the Mixture of Gases: Stability and Bifurcation of Equilibria, Rijeka, InTech, 2011, str. 179-204, ISBN 978-953-307-627-0

Spisak rezultata M17 - Uređivanje naučne monografije ili tematskog zbornika vodećeg međunarodnog značaja

1. Kovačić I., Brennan M. : The Duffing Equation: Nonlinear Oscillators and their Behaviour, John Willey & Sons, 2011, str. 1-369, ISBN 9780470715499

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Atanacković T., Dolićanin D., Konjik S., Pilipović S. : Dissipativity and stability for a nonlinear differential equation with distributed order symmetrized fractional derivative, APPL MATH LETT, 2011, Vol. 24, No 5, pp. 1020-1025, ISSN 0893-9659
2. Atanacković T., Konjik S., Oparica D., Zorica D. : Thermodynamical Restrictions and Wave Propagation for a Class of Fractional Order Viscoelastic Rods. Article ID 975694, 32 pages doi:10.1155/2011/975694, Abstract and applied analysis, 2011, ISSN 1085-3375
3. Atanacković T., Pilipović S., Zorica D. : Distributed-order fractional wave equation on a finite domain. Stress relaxation in a rod, INT J ENG SCI, 2011, Vol. 49, No 2, pp. 175-190, ISSN 0020-7225
4. Cvetičanin L. : Oscillator with nonlinear elastic and damping force, Computers & Mathematics with Applications, 2011, Vol. 62, No 4, pp. 1745-1757, ISSN 0898-1221
5. Cvetičanin L. : Pure odd-order oscillators with constant excitation, Journal of Sound and Vibration, 2011, Vol. 330, pp. 976-986, ISSN 0022-460X
6. Janev M., Pilipović S., Atanacković T., Obradović R., Ralević N. : Fully fractional anisotropic diffusion for image denoising, MATH COMPUT MODEL, 2011, Vol. 54, No 1-2, pp. 729-741, ISSN 0895-7177
7. Kovačić I. : A limit cycle and relaxation oscillations in a generalized van der Pol oscillator, Communication in Non-linear Science and Numerical Simulations, 2011, Vol. 16, pp. 1640-1649, ISSN 1007-5704
8. Kovačić I. : Forced vibrations of oscillators with a purely nonlinear power-form restoring force, Journal of Sound and Vibration, 2011, Vol. 330, No 17, pp. 4313-4327, ISSN 0022-460X
9. Kovačić I., Rakarić Z. : Study of oscillators with a non-negative real-power restoring force and quadratic damping, Nonlinear Dynamics, 2011, Vol. 64, No 3, pp. 293-304, ISSN 0924-090X, UDK: DOI: 10.1007/s11071-010-9861-9
10. Novaković B., Atanacković T. : On the optimal shape of a compressed column subjected to restrictions on the cross-sectional area, Structural and Multidisciplinary Optimization, 2011, Vol. 43, No 5, pp. 683-691, ISSN 1615-147X
11. Rakarić Z., Kovačić I. : Approximations for motion of the oscillators with a non-negative real power restoring force, Journal of Sound and Vibration, 2011, No 330, pp. 321-336, ISSN 0022-460X
12. Srdjevic Z., Cvetičanin L. : Identifying nonlinear biomechanical models by multicriteria analysis, Journal of Sound and Vibration, 2011, Vol. 331, pp. 1207-1216, ISSN 0022-460X

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Janev M., Atanacković T., Pilipović S., Obradović R. : Image denoising by a direct variational minimization, EURASIP J ADV SIG PR, 2011, No 8, pp. 1-15, ISSN 1687-6172



- Janev M., Atanacković T., Pilipović S., Ralević N., Obradović R. : Fully fractional anisotropic diffusion for image denoising doi:10.1016/j.mcm.2011.03.017, MATH COMPUT MODEL, 2011, Vol. 54, No 1-2, pp. 729-741, ISSN 0895-7177
- Kovačić I. : The method of multiple scales for forced oscillators with some real-power nonlinearities in the stiffness and damping force, Chaos, Solitons and Fractals, 2011, Vol. 44, pp. 891-901

Spisak rezultata M23 - Rad u međunarodnom časopisu

- Atanacković T., Pilipovic S., Zorica D. : Distributed-order fractional wave equation on a finite domain. Creep and forced oscillations of a rod, Continuum Mechanics and Thermodynamics, 2011, Vol. 23, pp. 305-318, ISSN 0935-1175
- Janev M., Atanacković T., Pilipović S., Obradović R. : Image denoising by a direct variational minimization doi:10.1186/1687-6180-2011-8, EURASIP J ADV SIG PR, 2011, Vol. 2011, ISSN 1687-6172
- Mitić G., Spasić D. : Clinical Characteristic and type of thrombophilia in women with pregnancy-related venous thromboembolic disease, GYNECOL OBSTET INVES, 2011, Vol. 72, No 2, pp. 103-108, ISSN 0378-7346
- Popović J., Dolićanin D., Rapaić M., Popović S., Pilipović S., Atanacković T. : A nonlinear two compartmental fractional derivative model, Journal of Drug Metabolism and Pharmacokinetics, 2011, Vol. 36, No 4, pp. 189-196, ISSN 0378-7966
- Radomirović D., Đukić Đ., Cvetičanin L. : The minimum plane path for movable end-points and the nonsimultaneous variations, DOI: 10.1007/s11012-010-9332-x, Meccanica, 2011, No in press, available online, pp. 1-11, ISSN 0025-6455
- Radomirović D., Kovačić I. : Dynamic circle of plane motion, DOI: 10.1177/2041298310392856, Journal of Mechanical Engineering Science (Part C of the Proceeding of the Institution of Mechanical Engineers, 2011, Vol. 225, pp. 1147-1151
- Spasić D. : Optimizing the electrodynamic stabilization method for a man-made Earth satellite, AUTOMAT REM CONTR+, 2011, Vol. 72, No 9, pp. 112-121, ISSN 0005-1179

Spisak rezultata M27 - Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)

- Cvetičanin L. : Journal of Applied Mathematics is a refereed journal devoted to the publication of original research papers and review articles in all areas of applied, computational, and industrial mathematics. The most recent Impact Factor for Journal of Applied Mathematics is 0.630 according to 2010 Journal Citation Reports released by Thomson Reuters (ISI) in 2011., Journal of Applied Mathematics, 2011, ISSN 1337-6365
- Cvetičanin L. : This international journal provides a medium of communication between engineers and scientists engaged in research and development within the fields of knowledge embraced by IFToMM, the International Federation for the Promotion of Mechanism and Machine Science., Mechanism and Machine Theory, 2011, ISSN 0094-114X

Spisak rezultata M32 - Predavanje po pozivu sa međunarodnog skupa štampano u izvodu

- Spasić D. : A new impact model with both fractional and dry friction type of energy dissipation pattern, 4. Serbian-Greek Symposium "Recent Advances in Mechanics", Vlasinsko jezero, 9-10 Jul, 2011

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

- Atanacković T., Konjik S., Oparica Lj., Zorica D. : The Cattaneo-type space-time fractional heat conduction equation. Trends in Thermodynamics and materials Theory, 1. A Symposium in Honor of the 75th Birthday and Scientific Life of Professor Ingo Muller, Beč: TU Wien, 15-17 Decembar, 2011
- Cvetičanin L. : Review on mechanical modeling of the human voice production systems, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 1131-1138
- Cvetičanin L. : Vibration of the oscillator with integer and non-integer elastic and damping forces, Recent Advances in Mechanics, 4. Serbian-Greek Symposium "Recent Advances in Mechanics", Vlasinsko jezero, 9-10 Jul, 2011, pp. 39-440
- Cvetičanin L., Maretić R., Zuković M. : Dynamics of the discontinual cutting mechanism, 7. European Nonlinear Dynamics Conference - ENOC, Rim, 24-29 Jul, 2011, ISBN 978-88-906234-2-4
- Rakarić Z., Kovačić I. : On the behaviour of forced oscillators with a non-negative real-power restoring force and van der Pol damping, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 1284-1296, ISBN 978-86-909973-3-6

6. Rakarić Z., Kovačić I. : Oscillators with a purely nonlinear non-negative real-power restoring force: approximations for free and forced response via elliptic functions and averaging, 7. European Nonlinear Dynamics Conference - ENOC, Rim, 24-29 Jul, 2011, ISBN ISBN 978-88-906234-2
7. Žigić M., Grahovac N. : Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Atanacković T., Pilipović S., Dolićanin D. : Application of fractional calculus to mechanics: Hamilton's and generalized Hamilton's principle, 8. Congress of the ISAAC, Moskva, 22-27 Avgust, 2011, pp. 221-221
2. Konjik S., Atanacković T., Oparica Lj., Zorica D. : Thermodynamical restrictions for a fractional linear constitutive equation with application to a viscoelastic body model of finite length, 8. Congress of the ISAAC, Moskva, 22-27 Avgust, 2011, pp. 158-158
3. Mađarević D. : Shock structure in He-Ar mixture and its comparison with experimental results, 5. European Postgraduate Fluid Dynamics Conference, Göttingen, 9-12 Avgust, 2011
4. Mađarević D. : Shock structure in Multi-temperature model of Gaseous Mixtures and its Comparison with Experimental Results, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011
5. Oparica Lj., Atanacković T., Konjik S., Zorica D. : Fractional diffusion equation, 8. Congress of the ISAAC, Moskva, 22-27 Avgust, 2011, pp. 162-162
6. Soltakhanov S., Spasić D., Yushkov M., Zegzhda S. : Nonholonomic mechanics and motion control, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 88-88, ISBN 978-86-909973-2-9, UDK: 531/534(048)
7. Soltakhanov S., Spasić D., Yushkov M., Zegzhda S. : On the possibility of a shockless motion control of a trolley with pendulums, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 89-89, ISBN 978-86-909973-2-9, UDK: 531/534(048)
8. Stojanac I., Drobac M., Petrović Lj., Atanacković T. : Cycle Fatigue in Nickel-Titanium Rotary Endodontic Instruments, 45. Meeting of the Continental European Division (CED) of IADR, Budimpešta, 31-3 Avgust, 2011

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe,

1. Spasić D. : Boudary elements, theory and applications (English to serbian traslation done by D.T. Spasić), Beograd, Gradjevinska knjiga, 2011

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Atanacković T., Dolićanin D., Pilipović S. : Forced oscillations of a single degree of freedom system with Fractional dissipation, Scientific Publications of the State University of Novi Pazar, Ser A: Appl. Math. Inform. And Mech., 2011, Vol. 3, pp. 1-10, ISSN 2217-5539
2. Atanacković T., Pilipović S. : Hamilton's principle with variable order fractional derivatives, Fractional Calculus & Applied Analysis, 2011, Vol. 14, pp. 94-109, ISSN 1311-0454
3. Atanacković T., Seyranian A. : Bimodal optimization with constraints: critical value of the constraint and post-critical congurations, Journal Of Theoretical And Applied Mechanics, 2011, pp. 107-124, ISSN 1429-2955
4. Marković D., Petronijević B., Blažić L., Šarčev I., Atanacković T. : Bond Strenght comparison of three core Build-Up materials used to restore maxillary incisor Teeth, Contemporary Materials, 2011, pp. 63-68, ISSN 1986-8669

Spisak rezultata M71 - Odbranjena doktorska disertacija

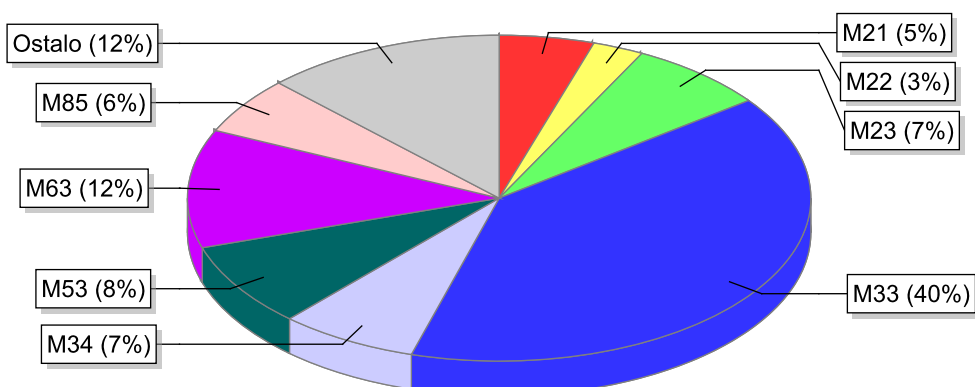
1. Grahovac N. : Analiza disipacije energije u problemima sudara dva ili više tela, Novi Sad, autorski reprint, 2011

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku, elektroniku i telekomunikacije

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u vrhunskom međunarodnom časopisu	M21	13
Rad u istaknutom međunarodnom časopisu	M22	7
Rad u međunarodnom časopisu	M23	19
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	6
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	105
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	19
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u vodećem časopisu nacionalnog značaja	M51	6
Rad u časopisu nacionalnog značaja	M52	6
Rad u naučnom časopisu	M53	22
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	31
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Odbranjena doktorska disertacija	M71	1
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	15

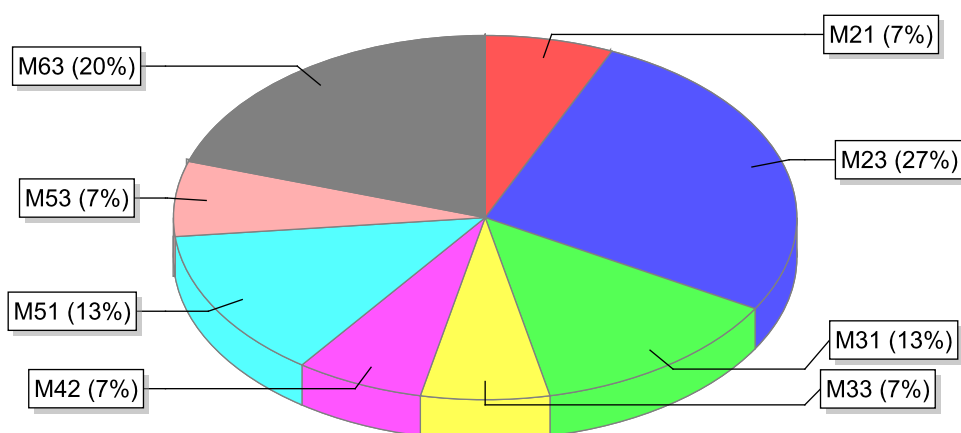


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektro-energetiku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	4
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Lendak I., Erdeljan A., Popović D. : Algorithm for cataloguing topologies in the Common Information Model (CIM), Computers & Mathematics with Applications, 2011, Vol. 61, No 3, pp. 715-721, ISSN 0898-1221

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2. Janjić A., Stajić Z., Radović I. : Power Quality Requirements for the Smart Grid, International Journal of Circuits, systems and signal processing, 2011, Vol. 6, No 5, pp. 643-651, ISSN 1998-4464
3. Popović D., Glamočić Lj., Nimrihter M. : The Optimal Automation Level of Medium Voltage Distribution Networks, International Journal of Electrical Power & Energy Systems, 2011, Vol. 33, No 3, pp. 430-438
4. Strezoski V. : Advanced symmetrical components method, IET GENER TRANSM DIS, 2011, Vol. 5, No 8, pp. 833-841, ISSN 1751-8687

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### Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe,

1. Čalović M., Sarić A., Mesarović M., Stefanov P. : , «Planiranje razvoja elektroenergetskih sistema u regulisanom i deregulisanom okruženju», «Opšti deo», Prvi deo: «Tehničke, eksploatacione i ekonomske karakteristike elemenata elektroenergetskih sistema», XXX+646 strana, Treći deo: Rešeni zadaci», VI+458 strana (prilog na CD-u), Čačak, Tehnički fakultet Čačak, 2011, ISBN 978-86-7776-119-6, UDK: 621311

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Maksimović B., Sarić A. : Robusna optimizacija parametara stabilizatora elektroenergetskog sistema primenom neuralnih mreža, Tehnika, 2011, Vol. 66, No 3, pp. 435-442, ISSN 0040-2176, UDK: 621.314.214.001.26
2. Stajić Z., Kocić M., Janjić A., Stajić D. : SISTEM CENTRALIZOVANOG UPRAVLJANJA PUMPNIM STANICAMA U SISTEMIMA VODOSNABDEVANJA, Poljoprivredna tehnika, 2011, No 3, pp. 39-49, ISSN 0554-5587, UDK: 681.5/628.29

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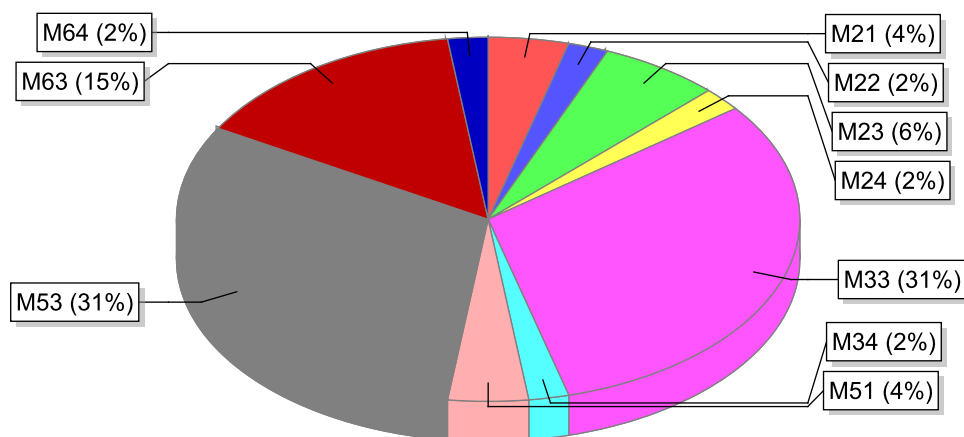
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2. Janjić A., Stajić Z., Jelić M. : Stanje razvoja inteligentnih elektrodistributivnih mreža u Evropi, 14. DQM Medjunarodna konferencija UPRAVLJANJE KVALITETOM I POUZDANOSCU, Beograd, 29-30 Jun, 2011, pp. 753-761, ISBN 978-86-86355-05-8
3. Sarić A., Babić A. : Adaptation of Electric Power Transaction Loss Allocation to System Loss Allocation, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, ISBN 978-86-80509-66-2

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za energetska elektroniku i pretvarače

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	3
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	15
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u naučnom časopisu	M53	15
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	7
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



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### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Majstorović D., Čelanović I., Teslić N., Čelanović N., Katić V. : Ultra-Low Latency Hardware-in-the-Loop Platform for Rapid Validation of Power Electronics Designs, IEEE Transaction on Industrial Electronics, 2011, Vol. 58, No 10, pp. 4708-4716, ISSN 0278-0046, UDK: <http://dx.doi.org/10.1109/TIE.2011.2112318>
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1. Katić V., Mujović S., Radulović V., Radulović J. : The Impact of the Load Side Parameters on PC Cluster's Harmonics Emission, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 1, pp. 103-110, ISSN 1582-7445, UDK: DOI 10.4316/AECE.2011.01017
2. Knežević J., Katić V. : Hybrid Method for On-line Harmonic Analysis, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 3, pp. 29-34, ISSN 1582-7445, UDK: <http://dx.doi.org/10.4316/AECE.2011.03005>
3. Kulić F., Matić D., Dumnić B., Vasić V. : Optimal fuzzy controller tuned by TV-PSO for induction motor speed control, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 1, pp. 49-54, ISSN 1582-7445

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2. Adžić E., Adžić M., Tomić J., Katić V. : Improved Phase-Locked Loop for Distributed Power Generation Systems , 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011
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4. Čorba Z., Katić V., Dumnić B., Milićević D. : Stand Alone Photovoltaic System Analysis", Paper No. T7-1.1, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5.
5. Dittrich A., Vekić M., Čelanović N. : ULL HIL Optimized Test System for Future Smart Grids Transformers, Paper No. SpS-1.3, pp.1-4, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
6. Dumnić B., Rikalo N., Katić V., Milićević D., Čorba Z. : Wind Resources Analysis Using WAsP at the Particular Site Paper No. T7-1.4, pp. 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
7. Genić A., Grabić S., Adžić E., Adžić M., Čelanović N. : HIL400/800 Hardware and Accessories, Paper No. SpS-1.6, pp. 1-4, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
8. Ivanović Z., Adžić E., Vekić M., Čelanović N., Katić V. : Verification of Wide Bandwidth Power Flow Control Algorithm Using Real Time Simulation, Paper No. SpS-1.2, pp. 1-4, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5.
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10. Katić V., Dumnić B., Čorba Z., Milićević D., Katić N. : Potentials of Renewable Energy Market in Serbia – Case of Wind and Solar Energy, 8. IEEE International Conference on European Energy Market – EEM, Zagreb, 25-27 Maj, 2011, pp. 785-790, ISBN 978-1-61284-284-4
11. Katić V., Grabić S., Čorba Z., Dumnić B., Milićević D. : Teaching Engineering Courses at the University of Novi Sad – Case of Power Electronics Course, 5. PSU-UNS International Conference on Engineering and Technology - ICET, Phuket, 2-3 Maj, 2011, pp. 392-396
12. Knežević J., Katić V. : Comparison of Methods for On-line Harmonic Estimation, Paper No. T6-2.8, pp. 1-5,, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5.
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14. Reljić D., Vasić V., Oros Đ. : Power Quality Considerations of Variable Speed AC Drives, A Simulation Study, Paper No. T6-2.4, pp. 1-5,, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Hodolić J., Čosić I., Kovačević I., Katić V., Vrebalov V. : Význam akreditácie vedecko-výskumnej práce pre univerzitný vzdelávací proces v Srbsku, 1. Slovenska Ekonomika myty a fakty o realite - SEMAFOR 2011, Košice, 6-7 Oktobar, 2011, pp. 23-23, ISBN 978-80-225-3262-4

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Adžić E., Čelanović N. : New Hardware-in-the-Loop Platform for Rapid Development of High-Reliability EV and HEV Propulsion Drives, Bodo's Power Systems – Electronics in Motion and Conversion, 2011, pp. 42-45, ISSN 1863-5598
2. Mujović S., Katić V., Radović J. : Uticaj grupisanja nelinearnih potrošača malih snaga na redukovanje harmonijskog spektra generisane struj, ETF – Journal of Electrical Engineering, Podgorica (Crna Gora), 2011, Vol. 19, No 1, pp. 96-110, ISSN 0353-5207

Spisak rezultata M53 - Rad u naučnom časopisu

1. Čupković D., Katić V. : Model napajanja stambenog objekta solarnim FN panelima – Primer kuće u Sremskoj Kamenici, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 14, pp. 3334-3337, ISSN 0350-428X
2. Dimitrijević I., Katić V. : Idejni projekat hibridnog vetro-fotonaponskog sistema u industriji, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 1, pp. 123-126, ISSN 0350-428X
3. Dubajić D., Katić V. : Male hidroelektrane u Republici Srpskoj, Zbornik radova Fakulteta tehničkih nauka, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 14, pp. 3361-3364, ISSN 0350-428X
4. Gecić M., Porobić V., Marčetić D. : Povezivanje pametnog pretvarača energetske elektronike sa SCADA sistemom primenom Modbus protokola, Zbornik radova Fakulteta tehničkih nauka, 2011, ISSN 0350-428X
5. Kartal B., Katić V. : Farme vetrenjača na moru, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 7, pp. 1566-1569, ISSN 0350-428X
6. Lolić S., Katić V. : Solarni izvori električne energije - pregled rešenja za male potrošače, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 7, pp. 1728-1731, ISSN 0350-428X
7. Milanko M., Katić V., Čorba Z. : Idejno rešenje hibridnog vetro-fotonaponskog sistema na zgradi NTP FTN, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 27, No 7, pp. 1740-1743, ISSN 0350-428X
8. Perović D., Porobić V., Marčetić D. : Scada sistem za upravljanje brzinom asinhronog motora primenjenog u regulaciji protoka vazduha, Zbornik radova Fakulteta tehničkih nauka, 2011, ISSN 0350-428X
9. Radovanović V., Katić V. : Farme vjetrenjača u Vojvodini – pregled pogodnih lokacija, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 27, No 7, pp. 1712-1715, ISSN 0350-428X
10. Rikalo N., Katić V., Dumnić B. : Primena programskog paketa WasP, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 14, pp. 3389-3392, ISSN 0350-428X
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13. Tadić B., Katić V. : Pregled i karakteristike mikromreža, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 7, pp. 1547-1550, ISSN 0350-428X
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Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

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2. Hodolić J., Ćosić I., Kovačević I., Katić V., Kolaković S., Vrebalov V. : Akreditacija naučnoistraživačkog rada i njegov značaj za obrazovni proces, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 100-106, ISBN 978-86-7892-323-4
3. Katalinić B., Ćosić I., Katić V., Tekić Ž. : Inženjeri za inovativno društvo, 17. Skup "Trendovi razvoja" - TREND, Kopaonik, 7-10 Mart, 2011, pp. 13-21, ISBN 86-7892-323-4
4. Katić V., Čorba Z., Dumnić B., Milićević D. : Mogućnosti razvoja fotonaponskih elektrana male snage u Srbiji, 30. XXX Savetovanja CIGRE Srbija, Zlatibor: 29.05.-03.06.2011. <http://www.cigresrbija.org> CD ROM, 29-3 Maj, 2011, pp. 1-10
5. Katić V., Kolaković S., Hodolić J., Ćosić I., Kovačević I. : Prednosti i nedostaci primene statističkog metoda ocenjivanja, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 181-184, ISBN 978-86-7892-323-4
6. Kovačević I., Ćosić I., Katić V., Kolaković S., Hodolić J. : Efekti Bolonjskog procesa 2020, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 27-29, ISBN 978-86-7892-323-4
7. Mujović S., Katić V., Radović J. : Modelovanje nelinearnih potrošača malih snaga sa posebnim osvrtom na modelovanje računara, Grupa C4, Rad br. R-C4-4, <http://www.cigre.me>, 2. Savetovanje Crnogorskog komiteta CIGRE, CG-KO CIGRE, Pržno, 16-19 Maj, 2011

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

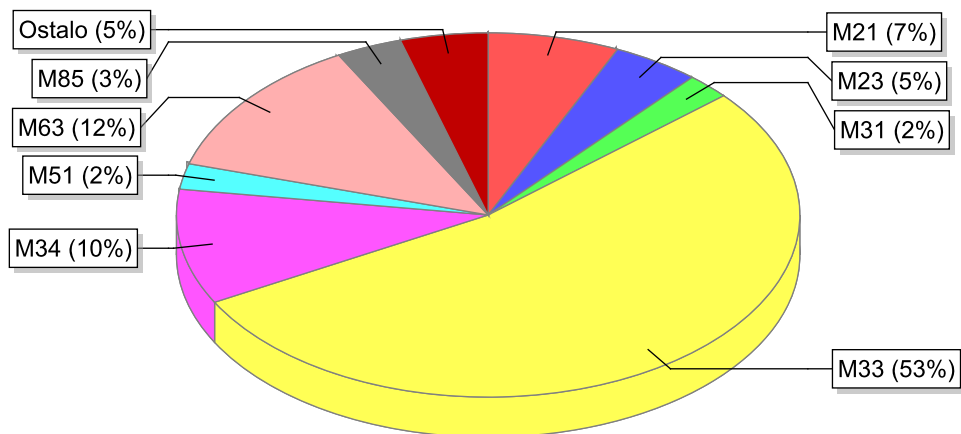
1. Hodolić J., Ćosić I., Kovačević I., Katić V., Schwarczova H., Vrebalov V. : Vyznam akreditacie vedecko-vyskumnej prace pre univerzitny vzdelavaci proces v Srbsku, 1. Slovenska Ekonomika myty a fakty o realite - SEMAFOR 2011, Košice, 6-7 Oktobar, 2011, ISBN 978-80-225-3262-4

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektroniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	6
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	4
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	47
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	9
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	11
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	3



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Milanović M., Stojanović G., Nikolić Lj., Radovanović M., Škorić B., Miletić A. : Electrical and structural characterisation of nanostructured titania coatings deposited on interdigitated electrode system, *Materials chemistry and physics*, 2011, Vol. 130, No 1-2, pp. 769-774, ISSN 0254-0584
2. Milanović M., Stojanović G., Nikolić Lj., Radovanović M., Škorić B., Miletić A. : Electrical and structural characterisation of nanostructured titania coatings deposited on interdigitated electrode system, *Materials chemistry and physics*, 2011, Vol. 130, No 1-2, pp. 769-774, ISSN 0254-0584, UDK: 10.1016/j.matchemphys.2011.07.061
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4. Savić S., Mančić L., Vojisavljević K., Stojanović G., Branković Z., Aleksić O., Branković G. : Microstructural and electrical changes in nickel manganite powder induced by mechanical activation, *Materials Research Bulletin*, 2011, Vol. 46, No 7, pp. 1065-1071, UDK: 10.1016/j.materresbull.2011.03.008
5. Sekulić D., Satarić B., Tuszyński J., Satarić M. : Nonlinear Ionic Pulses along Microtubules, *The European Physical Journal E*, 2011, Vol. 34, No 5, ISSN 1292-8941
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### Spisak rezultata M23 - Rad u međunarodnom časopisu

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3. Satarić M., Dragić M., Sekulić D. : From Giant Ocean Solitons to Cellular Ionic Nano-Solitons, *Romanian Reports in Physics*, 2011, Vol. 63, No. 3, pp. 624–640, ISSN 1221–1451
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### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

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2. Rehak B., Marić A., Blaž N., Damjanović M., Živanov Lj. : Influence of Various Parameters on Capacitance of Interdigital Capacitor and Its Optimization, 7. International Symposium Nikola Tesla, Beograd: AKADEMSKA MISAO/ACADEMIC MIND, 23 Novembar, 2011, pp. 65-72, ISBN 978-86-7466-421-6

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Atassi I., Marić A., Blaž N., Radosavljević G., Živanov Lj., Walter S. : Ferrite LTCC Complex Permeability Dependence on Processing Parameters and Environment Temperature, 35. International Microelectronics and Packaging IMAPS-CMTP, Gdansk, 21-24 Septembar, 2011, pp. 207-210, ISBN 978-83-932464-0-3
2. Babković K., Nađ L., Krklješ D. : Optical Sensor for Vibration Monitoring, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 31-31, ISBN 978-86-7892-356-2
3. Bajić J., Stupar D., Slankamenac M., Manojlović L., Živanov M., Jelić M., Joža A. : Displacement measurement using fiber optic coupler, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-4, ISBN 978-86-7892-355-5, UDK: T4-1.6
4. Bajić J., Stupar D., Slankamenac M., Tomić J., Živanov M., Jelić M., Aleksić R. : Design and operation of a

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  7. Blaž N., Luković M., Nikolić M., Živanov Lj., Aleksić O. : Novel Emi Suppressor Comprising a Bundle Of Ferrite Tubes And A Secondary Em Coupling/Interference Reaction, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-4, ISBN 978-86-7892-356-2
  8. Blaž N., Marić A., Radosavljević G., Mitrović N., Atassi I., Smetana W., Živanov Lj. : Wide Frequency Characterization of Magnetic Properties of Commercial LTCC Ferrite Material, 7. International Conference and on Ceramic Interconnect and Ceramic Microsystem technology IMAPS CICMT, San Diego, 5-7 April, 2011, pp. 224-231, ISBN 0-930815-92-0
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  11. Đugova A., Radić J., Videnović-Mišić M. : A 0.18 $\mu$ m CMOS Low Power LNA for 6–8.5 GHz UWB Receivers, 34. International Semiconductor Conference CAS, Sinaia: IEEE, 17-19 Oktobar, 2011, pp. 215-218, ISBN 978-1-61284-171-7, UDK: 10.1109/SMICND.2011.6095762
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  19. Kisić M., Babković K., Krstić D., Radovanović M., Meničanin A., Živanov Lj., Damjanović M. : Ground Bounce Reduction in Digital Circuit Using EMI Suppressors, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-356-2
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  36. Slankamenac M., Čikarić N., Joža A., Stupar D., Bajić J., Jelić M., Živanov M. : Modeling and simulation of electro-optic effect, 3. Research People and Actual Tasks on Multidisciplinary Sciences, Lozenec, 8-10 Jun, 2011, pp. 174-178, ISBN 1313-7735
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45. Varga E. : The Holistic Approach to Software Engineering, 5. PSU-UNS International Conference on Engineering and Technology - ICET, Phuket, 2-3 Maj, 2011, pp. 334-337
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1. Babković K., Kisić M., Radovanović M., Meničanin A., Živanov Lj., Damnjanović M. : Ferrite EMI suppressor characterization and analysis of its performance on a PCB, 20. International Conference on Soft Magnetic Materials, Kos Island: IEEE Transactions on Magnetics, 18-22 Septembar, 2011, pp. 136-136, ISBN 978-960-9534-14-7
2. Blaž N. : MnZn-ferrite EMI suppressors shaped by PIM technology and characterized by impedance analyzer, 20. International Conference on Soft Magnetic Materials, Kos Island, 18-22 Septembar, 2011, pp. 267-267, ISBN 978-960-9534-14-7
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6. Sekulić D. : Symbolic Computation of Nano-ionic Pulses in Protein-based Electronic Circuit Using METF method, 3. Computational and Informational Technologies for Science, Engineering and Education – MIT, Vrnjacka Banja, 27-31 Avgust, 2011, pp. 123-124
7. Sekulić D., Maria Vesna N., Slankamenac M., Živanov M. : Complex impedance spectroscopy of Ti doped  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> (prihvaćeno), 10. Young Researchers Conference Material Sciences and Engineering, Beograd, 21-23 Decembar, 2011, pp. 41-41, ISBN 978-86-80321-27-1
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Spisak rezultata M53 - Rad u naučnom časopisu

1. Jelić M., Slankamenac M., Stupar D., Bajić J., Živanov M. : Primer korišćenja softverskog paketa za modelovanje i analizu DWDM sistema, Telekomunikacije, 2011, Vol. 8, No 8, pp. 7-18

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

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2. Beganović Ž., Stupar D., Bajić J., Slankamenac M., Tomić J., Živanov M. : Realizacija uređaja za merenje intenziteta svetlosti u plastičnom optičkom vlaknu, 6. Kongres metrologa 2011, Kladovo, 17-19 Oktobar, 2011
3. Joža A., Bajić J., Stupar D., Slankamenac M., Jelić M., Živanov M. : Korišćenje optičkih vlakana za detekciju UV zračenja, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 940-943, ISBN 978-1-4577-1498-6
4. Kusljević M., Tomić J., Slankamenac M. : Realizacija spektralnog analizatora korišćenjem Goertzelovog algoritma, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, ISBN 978-86-80509-66-2
5. Luković M., Blaž N., Nikolić M., Meničanin A., Lukić L., Živanov Lj., Aleksić O. : Usporedna analiza promene impedanse višeslojnih čip induktora i malih jezgara sa više otvora u EMI opsegu, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, ISBN 978-86-80509-66-2
6. Sekulić D., Satarić M., Živanov M. : Microtubule as Nanobioelectronic Nonlinear Circuit, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, pp. 1-4, ISBN 978-86-80509-66-2
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8. Slankamenac M., Vranić M., Stojanović N., Živanov M., Jelić M., Bajić J., Stupar D. : Simulacije efekta savijanja kod plastičnih optičkih vlakana, 10. Naučno-stručni simpozijum Informacione tehnologije INFOTEH-JAHORINA, Jahorina, 16-18 Mart, 2011, pp. 173-176, ISBN 99938-624-2-8
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10. Tomić J., Živanov M., Kušljević M., Slankamenac M. : Realizacija Virtualne Laboratorije u LabVIEW programskom paketu, 6. Kongres metrologa 2011, Kladovo, 17-19 Oktobar, 2011
11. Tomić J., Živanov M., Slankamenac M. : Realizacija udaljenih merenja korišćenjem CGI protokola, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, ISBN 978-86-80509-66-2

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Nikolić M., Ivetić T., Nikolić N., Slankamenac M., Sekulić D., Aleksić O., Halwax E., Danninger H., Nikolić P. : Changes in electrical properties of hematite doped with Ni, 1. Conference of the Serbian Ceramic Society, Beograd, 17-18 Mart, 2011

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

1. Tomić J., Kušljević M., Vujičić V., Živanov M., Slankamenac M. : Realizacija spektralnog analizatora

korišćenjem Goertzelovog algoritma, 2011

2. Tomić J., Kušljević M., Vujičić V., Živanov M., Slankamenac M. : Realizacija Virtualne Laboratorije iz električnih merenja u LabVIEW programskom paketu,, 2011
3. Tomić J., Kušljević M., Vujičić V., Živanov M., Slankamenac M. : Trofazno merilo propada i nadvišenja napona, 2011

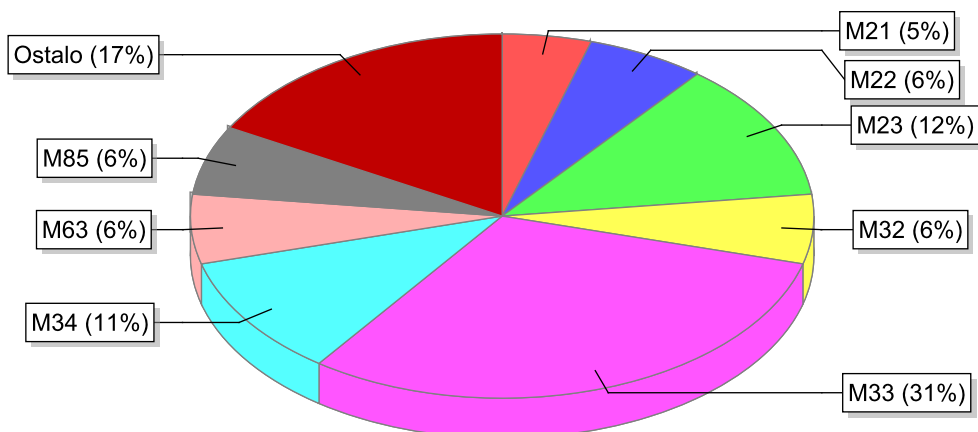


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za telekomunikacije i obradu signala

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	8
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	20
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	7
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	2
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Odbranjena doktorska disertacija	M71	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	4



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Mešter Đ., Stanić Molcer P., Delić V. : "Educational Games", 15th Chapter in the book "Computer Games as Educational and Management Tools: Uses and Approaches", Ed: M.M.Cruz-Cunha, V.H. Carvalho and P. Tavares, IGI Global, Pennsylvania, USA, 2011, str. 247-262, ISBN 978-1-60960-569-8, UDK: DOI: 10.4018/978-1-60960-569-8.ch015

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Gnjatović M., Pekar D., Delić V. : Naturalness, Adaptation and Cooperativeness in Spoken Dialogue Systems, DOI: 10.1007/978-3-642-18184-9\_24, Toward Autonomous, Adaptive, and Context-Aware Multimodal Interfaces. Theoretical and Practical Issues, Third COST 2102 International Training School, Caserta, Italy, March 15-19, 2010, Revised Selected Papers, Lecture Notes in Computer Science (LNCS), Heidelberg, Springer, 2011, str. 298-304, ISBN 978-3-642-18183-2

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Čulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D. : Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149
2. Janev M., Pilipović S., Atanacković T., Obradović R., Ralević N. : Fully fractional anisotropic diffusion for image denoising, MATH COMPUT MODEL, 2011, Vol. 54, No 1-2, pp. 729-741, ISSN 0895-7177
3. Stefanović Č., Vukobratović D., Chiti F., Niccolai L., Crnojević V., Fantacci R. : Urban Infrastructure-to-Vehicle Traffic Data Dissemination Using UEP Rateless Codes, IEEE Journal on Selected Areas in Communications, 2011, Vol. 29, No 1, pp. 94-102, ISSN 0733-8716, UDK: 10.1109/JSAC.2011.110110

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Janev M., Atanacković T., Pilipović S., Obradović R. : Image denoising by a direct variational minimization, EURASIP J ADV SIG PR, 2011, No 8, pp. 1-15, ISSN 1687-6172
2. Janev M., Atanacković T., Pilipović S., Ralević N., Obradović R. : Fully fractional anisotropic diffusion for image denoising doi:10.1016/j.mcm.2011.03.017, MATH COMPUT MODEL, 2011, Vol. 54, No 1-2, pp. 729-741, ISSN 0895-7177
3. Lončar-Turukalo T., Japundžić Žigon N., Bajić D. : Temporal Sequence Parameters in Isodistributional Surrogate Data: Model and Exact Expressions, IEEE Transactions of Biomedical Engineering, 2011, Vol. 58, No 1, pp. 16-24, ISSN 0018-9294
4. Sarenac O., Lozic M., Drakulic S., Bajić D., Patton J., Murphy D., Japundzic-Zigon N. : Nina Autonomic mechanisms underpinning the stress response in borderline hypertensive rats, EXP PHYSIOL, 2011, Vol. 96, No 6, pp. 574-589, ISSN 0958-0670

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Bajić D., Burr A. : Comments on "Integer SEC-DED codes for low power communications", , Information Processing Letters, 2011, Vol. 111, No 9, pp. 414-415, ISSN 0020-0190
2. Bojović Ž., Šećerov E., Dobromirov D., Šenk V. : Maximizing the Profit of Telecom Telcos by a Novel Traffic Scheduling Policy , Electronics and electrical engineering, 2011, Vol. 7, No 113, pp. 67-73, ISSN 1392-1215
3. Bojović ž., Šenk V., Dobromirov D., Bojović P. : Intervendor working of VOIP networks , Journal of the Institute of Telecommunications Professionals, 2011, Vol. 5, No 3, pp. 26-32, ISSN 1755-9278
4. Despotović V., Perić Z., Velimirović L., Delić V. : Switched Adaptive Quantizer For Speech Compression Based On Optimal Companding And Correlation, DOI: 10.1049/iet-spr.2010.0308 , IET SIGNAL PROCESSING, 2011, Vol. 5, No 7, pp. 701-707, ISSN 1751-9675
5. Janev M., Atanacković T., Pilipović S., Obradović R. : Image denoising by a direct variational minimization doi:10.1186/1687-6180-2011-8, EURASIP J ADV SIG PR, 2011, Vol. 2011, ISSN 1687-6172
6. Jokić S., Delić V., Perić Z., Krčo S., Sakač D. : Efficient ECG Modeling using Polynomial Functions, Electronics and electrical engineering, 2011, No 4(110), pp. 121-124, ISSN 1392-1215
7. Stanić-Molcer P., Delić V. : Case Study of a Cost-Effective on-line Learning Environment Development for Laboratory Class Enhancement, DOI: 10.5755/j01.eee.115.9.753 , Electronics and electrical engineering, 2011, No 9(115), pp. 73-78, ISSN 1392-1215
8. Stanić-Molcer P., Delić V. : Exploring the Effectiveness of Interactive On-line Exercises in Project

Accomplishing in the Course: Intelligent Control Systems, International Journal of Engineering Education, 2011, Vol. 27, No 2, pp. 257-265, ISSN 0949-149X

Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Bajić D., Lončar-Turukalo T., Milovanovic B. : Biomedical signals in BANs: pre-channel issues, pozivno pismo imamo, 17. European Wireless, Wien: European Wireless 2011, Wien, Austria, 27-29 April, 2011, pp. 89-92, ISBN 978-3-8007-3343
2. Delić V., Sečujski M., Gnjatović M., Pekar D., Jovičić S., Šarić Z., Komazec Z., Borovac B. : An Overview of Current Research Activities in the Field of Speech and Language Technologies in Serbia, 14. SPECOM, Speech and Computer, Kazan: Moskovski državni lingvistički univerzitet, 27-30 Septembar, 2011, pp. 18-26, ISBN 978-5-88983-395-6

Spisak rezultata M32 - Predavanje po pozivu sa međunarodnog skupa štampano u izvodu

1. Antić B., Stojković Ž., Nikolić M., Oklobdžija M., Crnojević V. : Development of Wireless Sensor Network Technology in Serbia for Applications in Rural Areas and Interconnection with GEOSS Portals, 44. GEOSS Forum: Sensor Web and Rural Communications, Houston: IEEE Committee on Earth Observation, 5 Decembar, 2011
2. Bošković A., Lončar-Turukalo T., Japundzic-Zigon N., Bajić D. : Symbolic entropy analysis of time-series in stressed subjects, 3. International Symposium on Neurocardiology - Neurocard, Beograd: University Press, Tirgu Mures, 6-8 Oktobar, 2011, pp. 37-37, ISBN ISSN 2069-0169
3. Lončar-Turukalo T., Milovanovic B., Bajić D. : On necessity of biomedical signal pre-processing, 3. International Symposium on Neurocardiology - Neurocard, Beograd: University Press, Tirgu Mures, 6-8 Oktobar, 2011, pp. 36-36, ISBN ISSN 2069-0169
4. Rasic Z., Perunicic-Pekovic G., Milovanović B., Pencic P., Bajić D. : Linear and non-linear analysis of heart rate variability in type 2 diabetic: new insight , 3. International Symposium on Neurocardiology - Neurocard, Beograd: University Press, Tirgu Mures, 6-8 Oktobar, 2011, pp. 48-48, ISBN ISSN 2069-0169

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Boskovic A., Lončar-Turukalo T., Japundzic Zigon N., Bajić D. : The flip-flop effect in entropy estimation, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica: IEEE, 8-10 Septembar, 2011, pp. 227-230, ISBN 978-1-4577-1973
2. Čulibrk D., Gavrić K., Lugonja P., Mirković M., Crnojević V. : Detecting Attractive Location and Tourists' Dynamics Using Geo-referenced Image, 10. TELSISKS - International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services, Niš: IEEE, 5-8 Oktobar, 2011, pp. 208-211, ISBN 978-1-4577-2017-8
3. Čulibrk D., Vučinić A., Božović V., Crnojević V. : 3D REKONSTRUKCIJA KORISTEĆI SLIKE SA INTERNETA I ALGORITAM POSTEPENOG RASTA REGIONA , 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Infoteh, 16-18 Mart, 2011, pp. 742-745, ISBN 978-99938-624-6-8
4. Dimić G., Zogović N., Bajić D. : Packet length and transmission power adaptation for energy-efficiency maximization in low-power wireless communications , 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSISKS, Niš: Elektronski fakultet Niš, 5-8 Oktobar, 2011, pp. 497-500, ISBN 978-1-4577-2016-1, 9
5. Đurić N., Šenk V., Vasić B. : MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems , 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSISKS, Niš, 5-8 Oktobar, 2011, pp. 164-167, ISBN 978-1-4577-2018-5
6. Gnjatović M. : Updating the Focus of Spatial Attention in Speech-Based Interaction: A Corpus-Based Investigation , 14. SPECOM, Speech and Computer, Kazan: Moskovski državni lingvistički univerzitet, 27-30 Septembar, 2011, pp. 441-446, ISBN ISBN 978-5-88983-395
7. Gnjatović M., Pekar D., Delić V. : Naturalness, Adaptation and Cooperativeness in Spoken Dialogue Systems, Lecture Notes in Computer Science, LNCS, 2011, Vol. 6456, pp. 298-304, 3. COST 2102 International Training School, Caserta: Springer, 15-19 Mart, 2010, pp. 298-304, ISBN 978-3-642-18183-2, UDK: DOI: 10.1007/978-3-642-18184-9\_24
8. Milutinov M., Đurić N., Mišković D., Knežević D. : Area Monitor Sensor for Broadband Electromagnetic Environmental Pollution Monitoring, 46. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - ICEST, Niš, 29-1 Jun, 2011, pp. 217-220, ISBN 978-86-6125-031-6
9. Pekar D., Janev M., Jakovljević N., Bojanić M., Delić V. : A Novel HMM Continuous Speech Recognition System Based on Additional Modeling of Acoustical Variability, 14. SPECOM, Speech and Computer,

Kazan: Moskovski državni lingvistički univerzitet, 27-30 Septembar, 2011, pp. 55-61, ISBN 978-5-88983-395-6

10. Pekar D., Janev M., Jakovljević N., Popović B., Delić V. : Improving the Performance of Gaussian Selection Algorithm, 14. SPECOM, Speech and Computer, Kazan: Moskovski državni lingvistički univerzitet, 27-30 Septembar, 2011, pp. 89-95, ISBN 978-5-88983-395-6
11. Sečujski M., Jakovljević N., Pekar D. : Automatic Prosody Generation for Serbo-Croatian Speech Synthesis Based on Regression Trees, 12. Interspeech - Annual Conference of the International Speech Communication Association, Firenca: ISCA, 28-31 Avgust, 2011, pp. 3157-3160
12. Stanković I., Karnjanadecha M., Delić V. : Improvement of Thai Speech Emotion Recognition By Using Face-tracking (accepted), 19. IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS), Chiangmai, 7-9 Decembar, 2011
13. Stefanović Č., Vukobratović D., Crnojević V., Stanković V. : A Random Linear Coding Scheme for Perimeter Data Gathering, 8. International Conference on Wireless On-demand Network Systems and Services - WONS, Bardonekija: IEEE, 26-28 Januar, 2011, pp. 142-146, ISBN 978-1-61284-188-5/11
14. Stojiljković M., Delić V. : Pattern Evaluation Tests of Software-Based Acoustic Measuring Systems, 6. Forum Acusticum, Aalborg: European Acoustics Association, 27-1 Jun, 2011, pp. 391-396
15. Vidicki P., Borocki J., Šenk V., Rašković V. : Innovation activities in enterprise: different models of measurement, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 473-478, ISBN 978-86-7892-341-8, UDK: 658.5(082)
16. Vukobratović B., Đurić N., Mišković D., Knežević D. : Sensor communication in wireless electromagnetic field monitoring system, 46. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - Icest, Niš, 29-1 Jun, 2011, pp. 221-224, ISBN 978-86-6125-031-6
17. Zogović N., Dimić G., Bajić D. : Channel Loss Based Energy Consumption Model for Low-Power Wireless Communications , 4. IFIP International Conference on New Technologies, Mobility and Security, Paris: Paris, France, 7-10 Februar, 2011, pp. 1-5, ISBN ISSN2157-4952
18. Zogović N., Dimić G., Bajić D. : PHY-MAC Cross-Layer Approach to Energy-Efficiency Improvement in Low-Power Communications 8th International Symposium on Wireless Communication Systems ISWCS 2011 , 8. International Symposium on Wireless Communication Systems ISWCS, Aachen: Aachen, Germany, 6-9 Novembar, 2011, pp. 402-406
19. Zogović N., Dimić G., Bajić D. : The impact of packet length and packet error rate on energy-efficiency in low-power wireless communications the Second International Workshop on ICT and Sensing Technologies in Agriculture, Forestry and Environment – EcoSense11 , 2. International Workshop on ICT and Sensing Technologies in Agriculture, Forestry and Environment BioSense, Beograd: Beograd, 30-7 Maj, 2011, ISBN 978-86-7892-335
20. Zogović N., Dimić G., Bajić D. : Transmitter power consumption modeling in low-power communications the Second International Workshop on ICT and Sensing Technologies in Agriculture, Forestry and Environment – EcoSense11 , 2. International Workshop on ICT and Sensing Technologies in Agriculture, Forestry and Environment BioSense, Beograd: Beograd, 30-7 Maj, 2011, ISBN 978-86-7892-335

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Gnjatović M., Delić V. : A Computational Model of Attentional State for Conversational Agents, 1. International Conference TAKTONS, Novi Sad, 9-12 Novembar, 2011, pp. 18-18
2. Lončar-Turukalo T., Milovanovic B., Bajić D. : Entropy and delayed vector variance analysis of cardiovascular variability in post myocardial infarction patients, 1. Cardiology Meets Physics & Mathematics Workshop, Koscielisko: Via Medica, Folia Cardiologica Excerpta, tom 6, Supplement A;, 24-26 Mart, 2011, pp. 6-6, ISBN ISSN 1896- 2475
3. Lončar-Turukalo T., Milovanovic B., Bajić D. : Joint order pattern analysis in post myocardial infarction patients, 1. Cardiology Meets Physics & Mathematics Workshop, Koscielisko: Via Medica, Folia Cardiologica Excerpta, tom 6, Supplement A;, 24-26 Mart, 2011, pp. 5-5, ISBN ISSN 1896- 2475
4. Lončar-Turukalo T., Minich J., Banyai M., Baszo F., Odry P., Negyessy L., Bajić D. : On ramp statistics in ISI time series, 5. European Conference of the International Federation for Medical and Biological Engineering and Computing, Budimpešta: Springer, 14-18 Septembar, 2011, pp. 212-212, ISBN 978-3-642-23507-8
5. Pekar D., Jakovljević N., Mišković D. : Research Directions in the Area of Speech Recognition, 1. International Conference TAKTONS, Novi Sad, 9-12 Novembar, 2011, pp. 17-17
6. Sečujski M., Pekar D., Jakovljević N., Delić V. : Prosodic Features in Speech Synthesis and Recognition in

the Serbian Language, 1. International Conference TAKTONS, Novi Sad, 9-12 Novembar, 2011, pp. 16-16

7. Stanković I., Karnjanadecha M., Delić V. : Improvement of Thai Speech Emotion Recognition Using Face Feature Analysis, 1. International Conference TAKTONS, Novi Sad, 9-12 Novembar, 2011, pp. 14-14

Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

1. Delić V. : "Retrospektiva i perspektive razvoja govornih tehnologija u Srbiji", Poglavlje u knjizi: "50 godina računarstva u Srbiji - Hronika digitalnih decenija", Ed. D. Bečejski-Vujaklija i Nikola Marković, Beograd, Društvo za informatiku Srbije, Institut "Mihajlo Pupin", PC Press, 2011, str. 137-146, ISBN 978-86-84619-19-0, UDK: 004(497.11)(082)

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Sečujski M., Delić V. : Automatska konverzija tekstualnih informacija u govor - kumulativna naučnotehnička informacija - Monografska serija ISSN 1820-3418, Naučnotehničke informacije, Beograd, Vojnotehnički institut, 2011, str. 1-56, ISBN ISBN 978-86-81123-25, UDK: 004.934.5 534.782

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Pekeč S., Orlović S., Rončević S., Crnojević V., Minić V., Brdar S. : Biološke i tehničke mere zaštite šuma od požara, Topola, 2011, pp. 77-84, ISSN 0563-9034, UDK: 630\*.434

Spisak rezultata M53 - Rad u naučnom časopisu

1. Jokić I., Jokić S., Gnjatović M., Sečujski M., Delić V. : The Impact of Telephone Channels on the Accuracy of Automatic Speaker Recognition, TELFOR Journal, 2011, Vol. 3, No 2, pp. 100-104, ISSN 1821-3251, UDK: (očekuje se M-klasifikacija časopisa nakon 3. godine publikovanja)
2. Lučić B., Vujnović Sedlar N., Delić V. : Computer Game Lugram - Version for Blind Children, ("Ilija Stojanović" Award for the best TELFOR 2010 scientific paper), TELFOR Journal, 2011, Vol. 3, No 1, pp. 54-59, ISSN 1821-3251, UDK: (očekuje se M-klasifikacija časopisa nakon 3. godine publikovanja)

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Gnjatović M. : Contextual Adaptation and Emotional Awareness in Assistive Conversational Agents, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 566-573, ISBN 978-1-4577-1498-6

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Jakovljević N., Popović B., Janev M., Delić V. : Uticaj osnovne učestanosti na estimaciju MFCC koeficijena, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011
2. Jokić S., Pokrić M., Krčo S., Delić V., Jokić I. : Telemedicinska aplikacija za mobilne uređaje zasnovane na Android OS, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011
3. Knežević D., Pekar D., Jokić I., Delić V. : AlfaNum server za sintezu govora, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011
4. Mišković D., Bojanić M., Jakovljević N., Delić V. : Estimacija pouzdanosti u prepoznavanju govora, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Lončar-Turukalo T. : Modelovanje parametara vremenskih sekvenci u surogat podacima kardiovaskularnih oscilacija, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2011

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

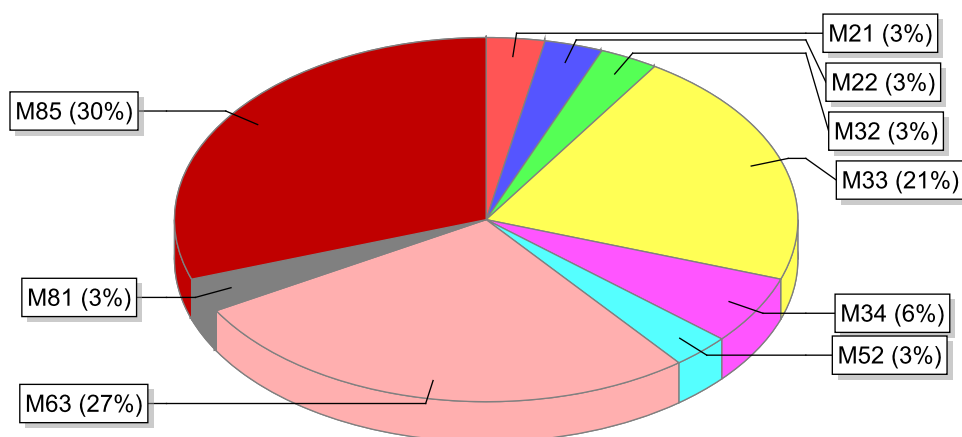
1. Ćulibrk D., Brdar S., Panić M., Minić V., Lugoja P., Crnojević V. : Nova metoda: Algoritam za modeliranje i predikciju poljoprivrednih prinosa korišćenjem R programskog paketa, 2011
2. Ćulibrk D., Brkljač B., Panić M., Brdar S., Minić V., Letić D., Crnojević V. : Softver: Softver za automatsku klasifikaciju letećih insekata na osnovu morfoloških karakteristika krila sa primenom u ispitivanju biodiverziteta ekosistema, 2011
3. Ćulibrk D., Lugoja P., Brdar S., Panić M., Minić V., Crnojević V., Letić D. : Softver: Softver za automatsku klasifikaciju poljoprivrednih kultura na osnovu satelitskih snimaka, 2011
4. Ćulibrk D., Lugoja P., Letić D., Panić M., Minić V., Crnojević V. : Softver: Softver za automatsku detekciju poplavljenog poljoprivrednog zemljišta, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za električna merenja

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	9
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	10



## PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Šijački I., Tokić M., Kojić P., Petrović D., Tekić M., Đurić M., Milovančev S. : Sparger Type Influence on the Hydrodynamics of the Draft Tube Airlift Reactor with Diluted Alcohol Solutions, *Industrial & Engineering Chemistry Research*, 2011, Vol. 50, No 6, pp. 3580-3591, ISSN 0888-5885

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Sovilj P., Milovančev S., Vujičić V. : Digital Stochastic Measurement of a Nonstationary Signal With an Example of EEG Signal Measurement, *IEEE Transactions on Instrumentation and Measurement*, 2011, Vol. 60, No 9, pp. 3230-3232, ISSN 0018-9456

Spisak rezultata M32 - Predavanje po pozivu sa međunarodnog skupa štampano u izvodu

1. Antić B., Stojković Ž., Nikolić M., Oklobdžija M., Crnojević V. : Development of Wireless Sensor Network Technology in Serbia for Applications in Rural Areas and Interconnection with GEOSS Portals, 44. GEOSS Forum: Sensor Web and Rural Communications, Houston: IEEE Committee on Earth Observation, 5 Decembar, 2011

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Adžić E., Adžić M., Tomić J., Katić V. : Improved Phase-Locked Loop for Distributed Power Generation Systems , 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011
2. Bajić J., Stupar D., Slankamenac M., Tomić J., Živanov M., Jelić M., Aleksić R. : Design and operation of a fiber optic sensor for liquid level detection, 3. Research People and Actual Tasks on Multidisciplinary Sciences, Lozenec: Printing House "Angel Kunchev" Univeristy of Rouse, 8-10 Jun, 2011, pp. 164-168, ISBN 1313-7735
3. Sovilj P., Čabrilo N., Vujičić V., Župunski I. : Remote measurements by ZigBit wireless module, 10. International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology - DEMI, Banja Luka: Mašinski fakultet Banja Luka, 26-28 Maj, 2011, pp. 885-891, ISBN 978-99938-39-36-1, UDK: 621(082);621.3(082)
4. Sovilj P., Davidović D., Beljić Ž., Ković V. : Measurement and processing of event-related brain potential records, 19. Telekomunikacioni forum TELFOR, Beograd: TELFOR, 22-24 Novembar, 2011, pp. 683-686, ISBN 978-1-4577-1498-6
5. Stupar D., Bajić J., Slankamenac M., Tomić J., Živanov M., Jelić M., Manojlović L. : Optoelectronics system for measuring light-wave attenuation in liquids, 3. Research People and Actual Tasks on Multidisciplinary Sciences, Lozenec: Printing house "Angel Kunchev" Univeristy of Rouse 8, Studentska Street, 7016 Rouse, Bulgaria, 8-10 Jun, 2011, pp. 184-188, ISBN 1313-7735
6. Stupar D., Bajić J., Slankamenac M., Živanov M., Jelić M., Joža A., Tomić J. : Influence of fiber diameter on fiber optic displacement sensor, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-5, ISBN 978-86-7892-355-5
7. Trobok M., Đurić N. : Uncertainty Assessment of Electric Probe in Electromagnetic Field Monitoring System, 46. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - ICEST, Niš: aculty of Electronic Engineering, University of Niš, Serbia , 29-1 Jun, 2011, pp. 748-751, ISBN 978-86-6125-033-0

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Vujičić B., Mitrović Z., Gajo T. : Circuit Parameter Estimation for High-current Gas Discharge, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 33-33, ISBN 978-86-7892-356-2
2. Vujičić B., Mitrović Z., Milovančev S. : Device for High Current Pulse Generation, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 11-11, ISBN 978-86-7892-356-2

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Trkuljić N., Babić Z., Marković R., Peruničić G., Sarić M., Spasić Jokić V., Mitrović Z. : Implementation of the Modern PACS System at the Institute of Oncology and Radiology of Serbia, *Medical Data*, 2011, No 1, pp. 69-72, ISSN 1821-1585, UDK: 616-07:621.39(497.11)

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Beganović Ž., Stupar D., Bajić J., Slankamenac M., Tomić J., Živanov M. : Realizacija uređaja za merenje intenziteta svetlosti u plastičnom optičkom vlaknu, 6. Kongres metrologa 2011, Kladovo, 17-19 Oktobar,

2011

2. Kusljević M., Tomić J., Slankamenac M. : Realizacija spektralnog analizatora korišćenjem Goertzelovog algoritma, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, ISBN 978-86-80509-66-2
3. Pjevalica N., Pjevalica V., Sovilj P. : MERENJE EFEKTIVNE VREDNOSTI SINUSNIH SIGNALA GENERISANIH PWM PUTE M STOHAŠTIČKOM METODOM, 55. ETRAN, Banja Vrućica: ETRAN, 6-9 Jun, 2011, pp. 1-4, ISBN 978-86-80509-66-2
4. Sovilj P., Čabrilo N., Nikolić S., Penca V., Lukić Z. : AKVIZICIJA PODATAKA SA MERNIH PRETVARAČA UZ PRIMENU ZIGBIT BEŽIČNIH MODULA, 17. YU INFO, Kopaonik: Društvo za informacione sisteme i računarske mreže, 6-9 Mart, 2011, ISBN 978-86-85525-08-7
5. Sovilj P., Davidović D., Beljić Ž., Filipović D., Ković V. : Sistem za merenje i akviziciju p300 potencijala, 55. ETRAN, Banja Vrućica: ETRAN, 6-9 Jun, 2011, pp. 1-4, ISBN 978-86-80509-66-2
6. Sovilj P., Davidović D., Beljić Ž., Ković V., Filipović D. : Algoritam za izračunavanje amplitude i kašnjenja P300 potencijala, 6. Kongres metrologa 2011, Kladovo: Društvo metrologa, 17-19 Oktobar, 2011, pp. 205-210, ISBN 978-86-7518-139-2
7. Stupar D., Bajić J., Slankamenac M., Jelić M., Živanov M., Tomić J., Rajs V., Manojlović L., Milosavljević V., Aleksić R. : Nove tehnologije u zaštiti životne sredine korišćenjem fiber optičkih senzora, 2. ZAŠTITA ŽIVOTNE SREDINE U ENERGETICI, RUDARSTVU I INDUSTRIJI, Zlatibor: Asocijacija geofizičara Srbije, Beograd, 2-4 Mart, 2011, pp. 72-77, ISBN 978-86-913953-2-2
8. Tomić J., Živanov M., Kušljević M., Slankamenac M. : Realizacija Virtualne Laboratorije u LabVIEW programskom paketu, 6. Kongres metrologa 2011, Kladovo, 17-19 Oktobar, 2011
9. Tomić J., Živanov M., Slankamenac M. : Realizacija udaljenih merenja korišćenjem CGI protokola, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, ISBN 978-86-80509-66-2

Spisak rezultata M81 - Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo

1. Miljković G., Mihić V., Savić M., Maruna T., Lukić N., Katona M., Pap I., Pjevalica N., Anđelić T., Jovanović P. : Softver za Loewe SL121 TV prijemnik u HD rezoluciji, 2011

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

1. Milovančev S., Župunski I., Vujičić V., Urekar M., Trobok M., Sovilj P. : Metoda merenja fazne greške linearnog visokonaponskog mernog transformatora, 2011
2. Mitrović Z., Pejić D., Župunski I., Urekar M., Milovančev S., Vujičić V. : Metoda merenja aktivne snage u složenoperiodičnom režimu, 2011
3. Pejić D., Vujičić B., Pjevalica N., Mitrović Z., Župunski I., Urekar M. : Metoda merenja efektivne vrednosti složenoperiodičnog signala, 2011
4. Pjevalica N., Pjevalica V., Sovilj P. : Tehničko rešenje: Unapređeni algoritam upravljanja memorijom, Razvijeno: u okviru projekta tehnološkog razvoja TR-11005, 2011
5. Pjevalica N., Vujičić B., Mitrović Z., Župunski I., Urekar M., Milovančev S. : Metoda merenja frekvencije složenoperiodičnog signala, 2011
6. Tomić J., Kušljević M., Vujičić V., Živanov M., Slankamenac M. : Realizacija spektralnog analizatora korišćenjem Goertzelovog algoritma, 2011
7. Tomić J., Kušljević M., Vujičić V., Živanov M., Slankamenac M. : Realizacija Virtualne Laboratorije iz električnih merenja u LabVIEW programskom paketu,, 2011
8. Tomić J., Kušljević M., Vujičić V., Živanov M., Slankamenac M. : Trofazno merilo propada i nadvišenja napona, 2011
9. Urekar M., Mitrović Z., Milovančev S., Vujičić V., Sovilj P., Trobok M. : Metoda merenja faktora izobličenja složenoperiodične merene veličine, 2011
10. Župunski I., Pjevalica N., Urekar M., Milovančev S., Vujičić V., Sovilj P. : Metoda merenja reaktivne snage u složenoperiodičnom režimu, 2011

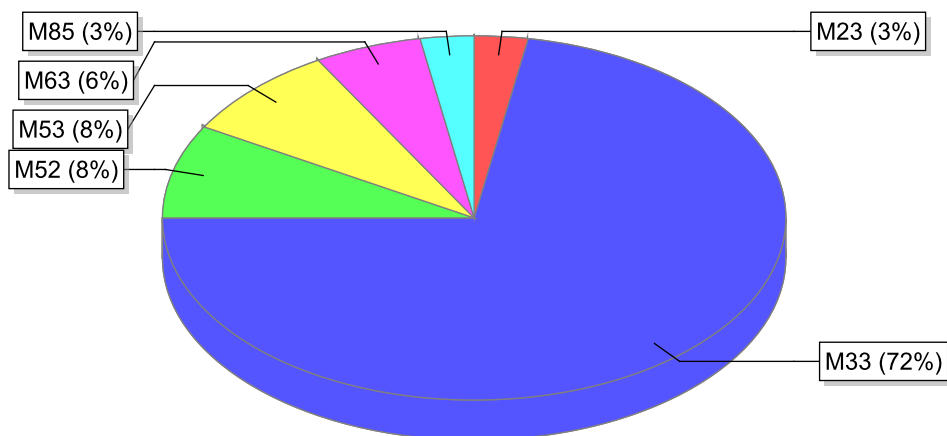


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorijsku elektrotehniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	26
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Đurić S., Nađ L., Damnjanović M., Đurić N., Živanov Lj. : A novel application of planar-type meander sensors, *Microelectronics International*, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bajović V., Đurić N., Herceg D. : Serbian Laws and Regulations as Foundation for Electromagnetic Field Monitoring Information Network, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, ISBN ISBN: 978-86-6125-04
2. Burány N., Herceg D., Pekarić Nađ N. : INFLUENCE OF A THIN COPPER SHIELD ON BLDC MOTOR PARAMETERS, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-4, ISBN 978-86-7892-355-5
3. Dautović S., Vranjković V., Vukobratović B. : Boolean Function Minimization for Memristive Logic Circuits, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
4. Đurić N., Prša M., Kasaš-Lažetić K. : Information Network for Continuous Electromagnetic Fields Monitoring, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, pp. 1-4, ISBN 978-86-6125-042-2
5. Đurić N., Prša M., Kasaš-Lažetić K. : Serbian System for Remote Monitoring of Electromagnetic Fields, 4. Acta Electrotehnica, Proceedings of the 4th International Conference on modern Power Systems MPS 2011, Cluj-Napoca, 17-20 Maj, 2011, pp. 140-142, ISBN 1841-3323
6. Đurić N., Prša M., Kasaš-Lažetić K., Bajović V. : Information Network for EMF Monitoring in Power System, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-5, ISBN 978-86-7892-355-5
7. Đurić N., Prša M., Kasaš-Lažetić K., Bajović V. : Serbian Remote Monitoring System for Electromagnetic Environmental Pollution, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIS, Niš, 5-8 Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1
8. Đurić N., Šenk V., Vasić B. : MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems , 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIS, Niš, 5-8 Oktobar, 2011, pp. 164-167, ISBN 978-1-4577-2018-5
9. Herceg D., Burany N., Pekarić Nađ N. : A simple model for power loss reduction study in a BLDC motor, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, ISBN ISBN: 978-86-6125-04
10. Herceg D., Prša M. : Air-core Transformer with Multilayer Cylindrical Shields, 5. PSU-UNS International Conference on Engineering and Technology - ICET, Phuket, 2-3 Maj, 2011, pp. 1-4
11. Juhas A., Milutinov M., Stanisavljević N., Pekarić Nađ N. : Study on Magnetic Field Reduction Near Power Line, 5. PSU-UNS International Conference: Energy and the Environment, Phuket: Prince of Songkla University, Faculty of Engineering, 2-3 Maj, 2011
12. Kasaš-Lažetić K., Prša M., Bajović V., Đurić N. : Verification of the Earth Return Impedance , 5. PSU-UNS International Conference: Energy and the Environment, Phuket, 2-3 Maj, 2011
13. Kasaš-Lažetić K., Prša M., Bajović V., Vukobratović B. : Determination of ACSR's Electrical Characteristics, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, pp. 1-4, ISBN 978-86-6125-042-2
14. Kasaš-Lažetić K., Prša M., Đurić N., Vukobratović B. : Comparison of Electromagnetic Characteristics of ACSR and ACCR Conductors, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-4, ISBN 978-86-7892-355-5
15. Milutinov M., Đurić N., Mišković D., Knežević D. : Area Monitor Sensor for Broadband Electromagnetic Environmental Pollution Monitoring, 46. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - ICESS, Niš, 29-1 Jun, 2011, pp. 217-220, ISBN 978-86-6125-031-6
16. Milutinov M., Đurić N., Vukobratović B. : Multy-Band Area Monitor Sensor in Information Network for Electromagnetic Fields Monitoring, 10. International Conference on Applied Electromagnetics, Niš: Elektronski fakultet u Nišu, 25-29 Septembar, 2011, ISBN 978-86-6125-042-2
17. Milutinov M., Đurić N., Vukobratović B. : Sensor Networking for Power Lines Magnetic Field Monitoring, 16.

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18. Milutinov M., Juhas A., Pekarić Nađ N. : Magnetic field in object close to complex power lines, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
19. Milutinov M., Juhas A., Pekarić Nađ N. : Study of Magnetic Field Reduction in objects near Power Lines with L-shaped Shields, 10. International Conference on Applied Electromagnetics, Niš: Elektronski fakultet u Nišu, 25-29 Septembar, 2011, ISBN 978-86-6125-042-2
20. Mučalica N., Prša M., Kasaš-Lažetić K., Herceg D. : Impact of HV Cable System on Neighboring Conductive Pipes, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-4, ISBN 978-86-7892-355-5
21. Prša M., Kasaš-Lažetić K., Đurić N. : Determination of Frequency Dependent Radiuses of Steel Cored Aluminum Conductors, 2. International Conference on Electric and Magnetic Fields at Extremely Low Frequency EMF-ELF, Paris, 24-25 Mart, 2011, pp. 117-123, ISBN ISBN 2-912328-58-6
22. Prša M., Kasaš-Lažetić K., Mučalica N. : Skin Effect and Proximity Effect in a Real, High Voltage, Double Three-Phase System, 8. EUROCON, Lisabon, 27-29 April, 2011, ISBN ISBN: 978-1-4244-748
23. Struharik R., Vranjković V., Teodorović P., Dautović S. : A Survey of Nanoelectronic Computing Architectures, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5
24. Trobok M., Đurić N. : Uncertainty Assessment of Electric Probe in Electromagnetic Field Monitoring System, 46. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - ICEST, Niš: aculty of Electronic Engineering, University of Niš, Serbia , 29-1 Jun, 2011, pp. 748-751, ISBN 978-86-6125-033-0
25. Vukobratović B., Đurić N., Mišković D., Knežević D. : Sensor communication in wireless electromagnetic field monitoring system, 46. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - ICEST, Niš, 29-1 Jun, 2011, pp. 221-224, ISBN 978-86-6125-031-6
26. Vukobratović B., Teodorović P., Struharik R. : A Novel Voltage-Controlled, Nonlinear Drift Memristor Model, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5

#### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Bajović V., Đurić N., Herceg D. : Serbian Program of Systematic Testing of Nonionizing Radiation in the Environment
2. Đurić N., Prša M., Kasaš-Lažetić K. : Serbian System for Remote Monitoring of Electromagnetic Fields
3. Prša M., Kasaš-Lažetić K., Đurić N., Vukobratović B. : Why Resistance Coefficient,  $R' \approx R' =$ , as a Function of  $\sqrt{f/R' =}$

#### Spisak rezultata M53 - Rad u naučnom časopisu

1. Đurić N., Marković Đ. : Pregled EN standarda u domenu elektromagnetske kompatibilnosti, Zbornik radova Fakulteta tehničkih nauka, 2011, No 14/2011, pp. 3500-3503, ISSN 0350-428X, UDK: 621.37
2. Đurić N., Prša M., Kasaš-Lažetić K. : Information Network for Continuous Electromagnetic Fields Monitoring, International Journal of Emerging Sciences - IJES, 2011, Vol. 1, No 4, pp. 516-525, ISSN 2222-4254
3. Juhas A., Milutinov M., Pekarić Nađ N. : Iskustva u primeni nacionalnih pravilnika o nejonizujućim zračenjima, Telekomunikacije, Vodeći nacionalni naučno-stručni časopis iz oblasti, 2011, No 7, pp. 70-77

#### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Đurić N., Vasić B. : State of the art and future directions in constrained multi track code research for magnetic recording systems, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, pp. 1-4
2. Mučalica N., Prša M., Kasaš-Lažetić K., Mučalica D. : Određivanje frekvencijski zavisnih ekvivalentnih poluprečnika dva spregnuta alučel provodnika, 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 16-18 Mart, 2011, pp. 330-333, ISBN 99938-624-2-8

#### Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

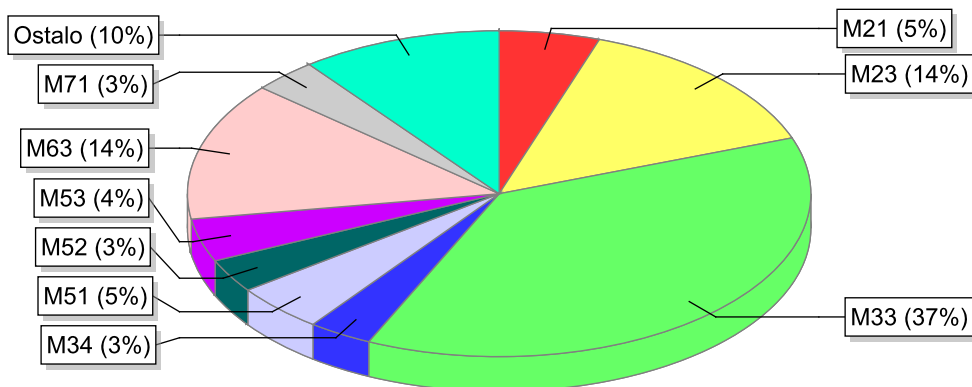
1. Buranj N., Milutinov M., Pekarić Nađ N. : Uređaj za izlaganje malih tečnih uzoraka magnetskom polju, 2011

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za računarstvo i automatiku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Rad u vrhunskom međunarodnom časopisu	M21	11
Rad u istaknutom međunarodnom časopisu	M22	5
Rad u međunarodnom časopisu	M23	30
Uređivanje međunarodnog naučnog časopisa	M28	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	79
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	7
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	10
Rad u časopisu nacionalnog značaja	M52	7
Rad u naučnom časopisu	M53	9
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	29
Odbranjena doktorska disertacija	M71	7
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	4
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou	M91	3
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	4

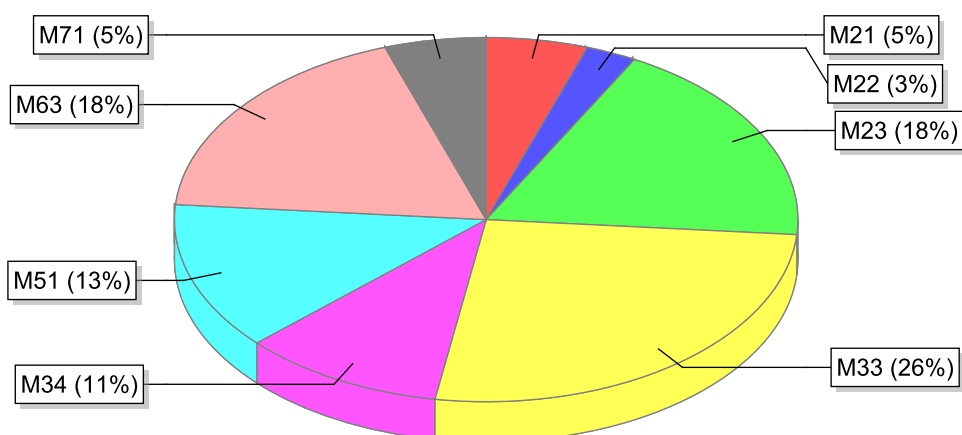


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za automatsko upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	7
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Rad u vodećem časopisu nacionalnog značaja	M51	5
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	7
Odbranjena doktorska disertacija	M71	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Kanović Ž., Rapaić M., Jeličić Z. : Generalized Particle Swarm Optimization Algorithm - Theoretical and Empirical Analysis with Application in Fault Detection, Applied Mathematics and Computation, 2011, No 217, pp. 175-186, ISSN 0096-3003
2. Lendak I., Erdeljan A., Popović D. : Algorithm for cataloguing topologies in the Common Information Model (CIM), Computers & Mathematics with Applications, 2011, Vol. 61, No 3, pp. 715-721, ISSN 0898-1221

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N. : Optimization of workflow scheduling in Utility Management System with hierarchical neural network, International Journal of Computational Intelligence Systems, 2011, Vol. 4, No 4, pp. 672-679, ISSN 1875-6883

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Čapko D., Erdeljan A., Popović M., Švenda G. : An Optimal Initial Partitioning of Large Datasets in Utility Management Systems, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 4, pp. 41-46, ISSN 1582-7445
2. Čapko D., Erdeljan A., Vukmirović S., Lendak I. : A HYBRID GENETIC ALGORITHM FOR PARTITIONING OF DATA MODEL IN DISTRIBUTION MANAGEMENT SYSTEMS, Information technology and control, 2011, Vol. 40, No 4, pp. 316-322, ISSN 1392-124X
3. Kulić F., Matić D., Dumnić B., Vasić V. : Optimal fuzzy controller tuned by TV-PSO for induction motor speed control, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 1, pp. 49-54, ISSN 1582-7445
4. Milošević N., Popović J., Grujić Z., Rapaić M. : One-compartmental biometric blood loss calculation after cesarean section , European Journal of Drug Metabolism and Pharmacokinetics, 2011, Vol. 36, No 3, pp. 183-8
5. Popović J., Dolićanin D., Rapaić M., Popović S., Pilipović S., Atanacković T. : A nonlinear two compartmental fractional derivative model, Journal of Drug Metabolism and Pharmacokinetics, 2011, Vol. 36, No 4, pp. 189-196, ISSN 0378-7966
6. Vukmirović G., Vukmirović S., Vujić G., Stanisavljević N., Ubavin D., Batinić B. : Using ANN model to determine future waste characteristics in order to achieve specific waste management targets -case study of Serbia, Journal of Scientific and Industrial Research (JSIR), 2011, Vol. 70, No 07, pp. 513-518, ISSN 0022-4456
7. Vukmirović S., Erdeljan A., Čapko D., Lendak I. : Extension of the Common Information Model with Virtual Meter, Electronics and electrical engineering, 2011, Vol. 107, No 1, pp. 59-64, ISSN 1392-1215

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bugarski V., Nikolić P., Matić D., Čongradac V. : Detection of Temperature Rising in Process Industry, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011
2. Čapko D., Erdeljan A., Vukmirović S., Lendak I. : Multilevel algorithm for data model partitioning in power distribution networks , 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011
3. Čongradac V. : CONTROL OF THE LIGHTING BY THE USE OF DMX PROTOCOL AND FUZZY CONTROLLER, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management , 14-16 Septembar, 2011, pp. 114-120, ISBN 978-86-7892-341-8
4. Čongradac V. : Using genetic algorithms for energy optimization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management , 14-16 Septembar, 2011, pp. 105-110, ISBN 978-86-7892-341-8
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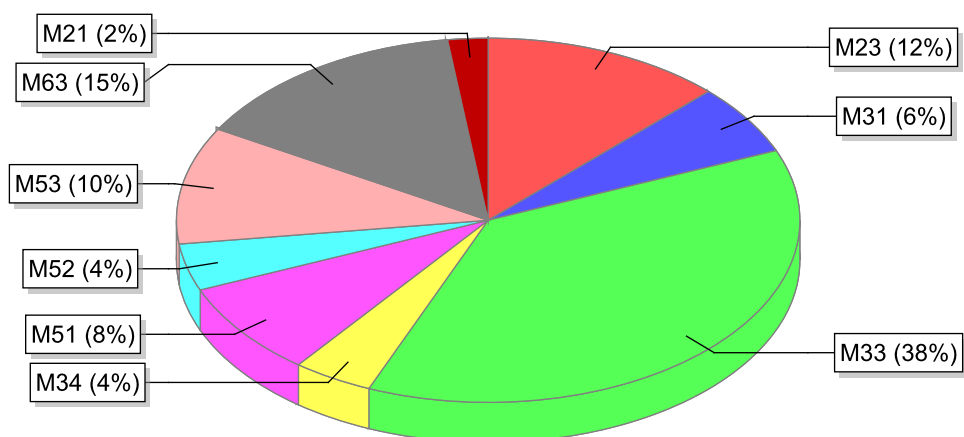


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za sisteme, signale i upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	6
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	18
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	4
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Rad u naučnom časopisu	M53	5
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### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

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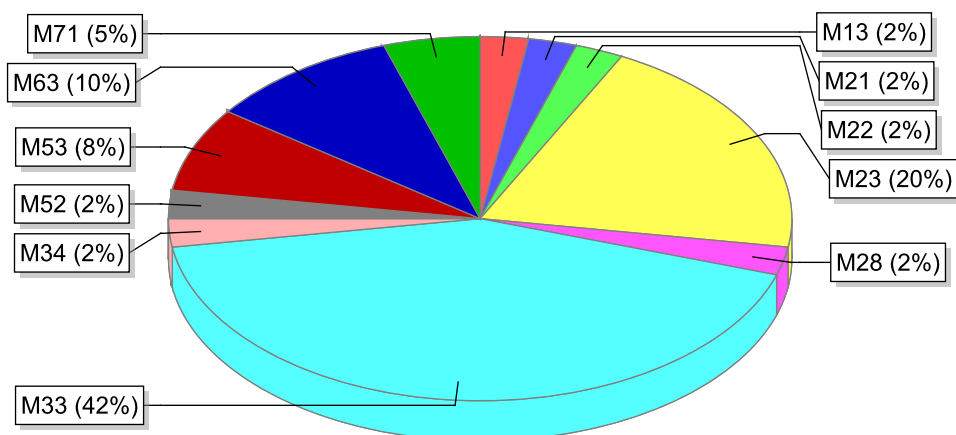
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za primenjene računarske nauke

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	8
Uređivanje međunarodnog naučnog časopisa	M28	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	17
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Obranjena doktorska disertacija	M71	2



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Dragan D., Ivetić D. : Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference on Human-centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park et al. (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Satarčić B., Sekulić D., Satarčić B., Tuszynski J., Satarčić M. : Nonlinear Ionic Pulses along Microtubules, The European Physical Journal E, 2011, Vol. 34, No 5, ISSN 1292-8941

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Dragan D., Ivetić D. : Request Redirection Paradigm in Medical Image Archive Implementation, Computer Methods and Programs in Biomedicine, 2011, No DOI 10.1016/j.cmpb.2011.06.001, ISSN 0169-2607

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Ćosić Đ., Popov S., Sakulski D., Pavlović A. : Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
2. Dobromirov D., Radišić M., Kupusinac A. : Emerging markets arbitrage's perception: Risk versus growth potential, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 713-721, ISSN 1993-8233
3. Ivetić D., Dragan D. : Medical Image on the Go! , Journal of Medical Systems, 2011, Vol. 35, No 4, pp. 499-516, ISSN 0148-5598
4. Lazarević M., Ostojić G., Ćosić I., Stankovski S., Vukelić Đ., Zečević I. : Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248
5. Luković I., Pereira Varanda M., Oliveira N., Cruz D., Henriques Rangel P. : A DSL for PIM Specifications: Design and Attribute Grammar based Implementation, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 379-403, ISSN 1820-0214
6. Malbaški D., Kupusinac A., Popov S. : The Impact of Coding Style on the Readability of C Programs, TTEM. Tehnics technologies education management, 2011, Vol. 6, No 4, pp. 1073-1082, ISSN 1840-1503
7. Rakić P., Milašinović D., Živanov Ž., Suvajdžin Z., Nikolić M., Hajduković M. : MPI-CUDA parallelization of a finite-strip program for geometric nonlinear analysis: A hybrid approach, Advances in Engineering Software, 2011, Vol. 42, No 5, pp. 273-285, ISSN 0965-9978
8. Vasiljević P., Markoski B., Ivanković Z., Ivković M., Šetrajčić J., Milošević Z. : Basket Supervisor - collecting statistical data in basketball and net casting, Technics Technologies Education Management, 2011, Vol. 6, No 1, pp. 169-178, ISSN 1840-1503

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Luković I., Pereira Varanda M. : Uređivanje specijalnog izdanja časopisa "Advances in Formal Languages, Modeling and Applications". Vice-Editor-in-Chief., Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, ISSN 1820-0214

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Aleksić S., Ristić S., Luković I. : An Approach to Generating Server Implementation of the Inverse Referential Integrity Constraints, 5. International Conference on Information Technology - ICIT, Amman: AL-Zaytoonah University of Jordan, 11-13 Maj, 2011, pp. 1-7, ISBN 9957-8583-0-0, UDK: Zbornik na CD ROM
2. Čeliković M., Luković I., Aleksić S., Ivančević V. : A MOF based Meta-Model of IIS\*Case PIM Concepts, 1. Federated Conference on Computer Science and Information Systems, Szczecin: IEEE Computer Society Press & Polish Information Processing Society, 18-21 Septembar, 2011, pp. 833-840, ISBN 978-83-60810-22-4
3. Đukić V., Luković I., Popović A. : Domain-Specific Modeling in Document Engineering, 1. Federated Conference on Computer Science and Information Systems, Szczecin: IEEE Computer Society Press & Polish Information Processing Society, 18-21 Septembar, 2011, pp. 825-832, ISBN 978-83-60810-22-4
4. Ivančević V., Čeliković M., Aleksić S., Luković I. : An Application of Educational Data Mining Techniques at Faculty of Technical Sciences in Novi Sad, 5. International Conference on Information Technology - ICIT, Amman: AL-Zaytoonah University of Jordan, 11-13 Maj, 2011, pp. 1-7, ISBN 9957-8583-0-0, UDK: Zbornik na CD ROM

5. Ivančević V., Čeliković M., Luković I. : Analysing Student Spatial Deployment in a Computer Laboratory, 4. International Conference on Educational Data Mining, Eindhoven: Eindhoven University of Technology, 6-8 Jul, 2011, pp. 265-269, ISBN 978-90-386-2537-9
6. Kupusinac A., Malbaški D. : Automatic Verification of Inheritance, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011, pp. 177-180, ISBN 978-86-7892-341-8
7. Malbaški D., Kupusinac A. : Classification of Invariants in Class Based on Conceptual Definitions, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011, pp. 181-185, ISBN 978-86-7892-341-8
8. Nikolić S., Penca V., Segedinac M., Konjović Z. : Semantic Web Based Architecture for Managing Hardware Heterogeneity in Wireless Sensor Network, 1. The International Conference on Web Intelligence, Mining and Semantics (WIMS), Sogndal: The Association for Computing Machinery, 25-27 Maj, 2011, ISBN 978-1-4503-0148-0
9. Nikolić S., Penca V., Temelkova S. : A Guideline for Selecting an Open-source WSN simulator, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
10. Obrenović N., Luković I., Domazetović M. : An Approach to Assess Data Quality in a Distribution Management System, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 199-204, ISBN 978-86-7892-341-8
11. Penca V., Nikolić S., Zarić M. : XPD L WORKFLOW FOR INTEGRATION OF CMDBUILD AND OCS INVENTORY SYSTEMS, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
12. Petrović V., Ivetić D. : Linearization of Graham's Scan Algorithm Complexity, 5. International Conference on Information Technology - ICIT, Amman: Al-Zaytoonah University of Jordan, 11-13 Maj, 2011, ISBN 9957-8583-0-0
13. Petrović V., Ivetić D., Konjović Z. : The Versatility of the Wii Controller in CS Education, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011
14. Ristić S., Aleksić S., Luković I., Banović J. : Form-Driven Application Generation: A Case Study, 11. International Scientific Conference on Informatics, Rožnava: Department of Computers and Informatics, FEEL, Technical University of Košice, Slovakia, 16-18 Novembar, 2011, pp. 115-120, ISBN 978-80-89284-95-8
15. Savičević D., Ivanković Z., Cvijetić M., Pecev P., Vasiljević P. : Pedagogic Diagnostics as Determinant of Differentiation of Programme Models in Kindergartens, 1. ITRO - International Conference on Information Tecnology and Development of Education, Zrenjanin, 1 Jul, 2011, pp. 172-175
16. Vasiljević P., Ivanković Z., Milošević Z., Pecev P., Markoski B. : AJAX Web Application for Basketball Statistics, 1. ICT-SME - Information and Communication Technologies for Small and Medium Enterprises, Arandjelovac, 22 Septembar, 2011, ISBN 978-86-7672-140-5
17. Zečević I., Maksimović R., Lazarević M., Đukić N., Tegeltija S. : Response optimization of RFID system database, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, Department of Industrial Engineering and Management, 14-16 Septembar, 2011, pp. 205-210, ISBN 978-86-7892-341-8

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Pavlović A., Milutin D., Popov S., Ruman A., Sakulski D., Čosić Đ. : ON COMPLEMENTARITY OF MONITORING DATA FOR NATURAL HAZARD RISK ASSESSMENT, 1. International Conference on the Status and Future of the Worlds Large Rivers, Vienna: TRIBUN EU, 11-14 April, 2011, pp. 346-346, ISBN 978-80-7399-518-8

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Petrović V., Ivetić D. : Education and out of the box thinking – linearization of Graham's scan algorithm complexity as fruit of education policy, Ubiquitous Computing and Communication Journal, Special Issue on ICIT 2011 Conference, 2011, ISSN 1994-4608

Spisak rezultata M53 - Rad u naučnom časopisu

1. Čosić Đ., Popov S., Sakulski D., Pavlović A., Palić D. : Importance of Vulnerability in Disaster Risk Management, International Journal of Industrial Engineering and Management - IJIEM, 2011, Vol. 2, No 2, pp. 51-60, ISSN 2217-2661
2. Kupusinac A., Malbaški D. : Automatic Verification of Inheritance, International Journal of Industrial

Engineering and Management - IJEM, 2011, Vol. 2, No 4, pp. 139-143, ISSN 2217-2661, UDK: 519.6:004

3. Nikolić S., Penca V., Segedinac M., Konjović Z. : Semantic Web Based Architecture for Managing Hardware Heterogeneity in Wireless Sensor Network, INTERNATIONAL JOURNAL OF COMPUTER SCIENCE & APPLICATIONS (IJCSA), 2011, Vol. 8, No 2, pp. 38-58, ISSN 0972-9038

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Kupusinac A., Malbaški D. : An Algorithm for the Automatic Verification of Inheritance, 19. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, Beograd; Elektrotehnički fakultet, Beograd; IEEE Serbia and Montenegro COM Chapter, 22-24 Novembar, 2011, pp. 1375-1378, ISBN 978-1-4577-1498-6
2. Kupusinac A., Malbaški D. : General Aspects of the As Prescribed Analysis of Invariants in the Class, 19. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, Beograd; Elektrotehnički fakultet, Beograd; IEEE Serbia and Montenegro COM Chapter, 22-24 Novembar, 2011, pp. 1379-1381, ISBN 978-1-4577-1498-6
3. Malbaški D., Kupusinac A. : Automatic Inference of Invariants in Objects with Variable Structure, 19. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, Beograd; Elektrotehnički fakultet, Beograd; IEEE Serbia and Montenegro COM Chapter, 22-24 Novembar, 2011, pp. 1372-1374, ISBN 978-1-4577-1498-6
4. Sovilj P., Čabrilo N., Nikolić S., Penca V., Lukić Z. : AKVIZICIJA PODATAKA SA MERNIH PRETVARAČA UZ PRIMENU ZIGBIT BEŽIČNIH MODULA, 17. YU INFO, Kopaonik: Društvo za informacione sisteme i računarske mreže, 6-9 Mart, 2011, ISBN 978-86-85525-08-7

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Popov S. : Primena modela servisa za integraciju heterogenih podataka u analizi rizika od događaja sa katastrofalnim posledicama, Novi Sad, 2011
2. Rakić P. : Objedinjeni objektno orijentisani programski interfejs operativnih sistema za bežične senzorske mreže sa stalnim i baterijskim napajanjem, Novi Sad, Autorski reprint, 2011

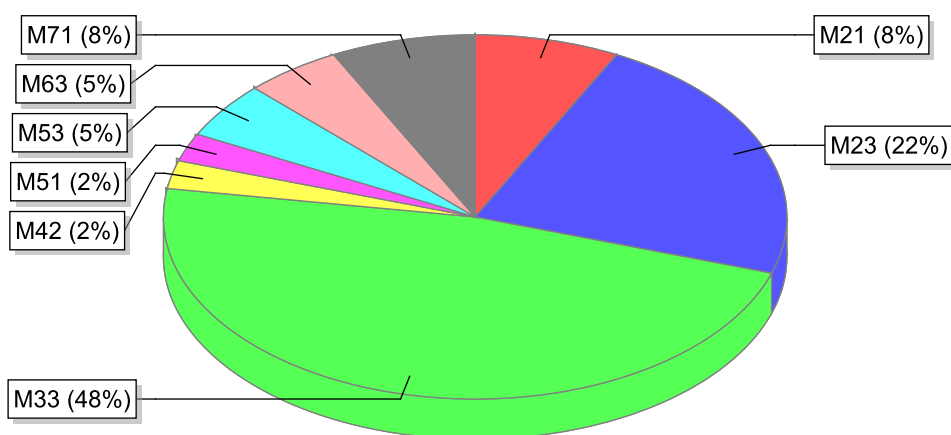


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informatiku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	9
Saopštenje sa međunarodnog skupa štampano u celini	M33	19
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Odbranjena doktorska disertacija	M71	3



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Ivanović D., Surla D., Racković M. : A CERIF data model extension for evaluation and quantitative expression of scientific research results, SCIENTOMETRICS, 2011, Vol. 86, No 1, pp. 155-172, ISSN 0138-9130
2. Janev M., Konjović Z., Pap E., Ralević N. : Fully fractional anisotropic diffusion for image denoising, MATH COMPUT MODEL, 2011, Vol. 54, No 1-2, pp. 729-741, ISSN 0895-7177
3. Obradović Đ., Konjović Z., Pap E., Ralević N. : The Maximal Distance between Imprecise Point Objects, Fuzzy Sets and Systems, 2011, Vol. 170, No 1, pp. 76-94, ISSN 0165-0114, UDK: 10.1016/j.fss.2010.12.005

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Cvjetičanin S., Segedinac M., Segedinac M. : Teaching optional science subjects in elementary schools in Serbia: teachers' problems, Odgojne znanosti, 2011, Vol. 13, No 2, pp. 184-216
2. Ivanović D. : CERIF compatible data model based on MARC 21 format, The Electronic Library, 2011, Vol. 29, No 1, pp. 52-70, ISSN 0264-0473
3. Kovačević A., Ivanović D., Milosavljević B., Konjović Z., Surla D. : Automatic extraction of metadata from scientific publications for CRIS systems, Program: Electronic Library and Information Systems, 2011, Vol. 45, No 4, pp. 376-396, ISSN 0033-0337
4. Kovačević A., Konjović Z., Milosavljević B., Nenadić G. : Mining methodologies from NLP publications: A case study in automatic terminology recognition, COMPUT SPEECH LANG, 2011, Vol. 26, No 2, pp. 105-126, ISSN 0885-2308
5. Milosavljević G., Ivanović D., Milosavljević B., Surla D. : Automated Construction of the User Interface for a CERIF-Compliant Research Management System, The Electronic Library, 2011, Vol. 29, No 5, pp. 565-588, ISSN 0264-0473
6. Perišić B., Milosavljević G., Dejanović I., Milosavljević B. : UML Profile for Specifying User Interfaces of Business Applications, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 405-426, ISSN 1820-0214
7. Pešović D., Vidaković M., Ivanović M., Budimac Z., Vidaković J. : Usage of Agents in Document Management, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 1, ISSN 1820-0214
8. Segedinac M., Savić G., Segedinac M., Konjović Z. : A Formal Approach to Organization of Educational Objectives, Psihologija, 2011, Vol. 44, No 4, pp. 307-324, ISSN 0048-5705
9. Sladić G., Milosavljević B., Konjović Z., Vidaković M. : Access Control Framework for XML Document Collections, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 3, pp. 591-609, ISSN 1820-0214

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Gostojić S., Sladić G., Milosavljević B. : Importing Document Hierarchy in the Alfresco System, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
2. Ivanović D. : Data exchange between CRIS UNS, institutional repositories and library information systems, 5. International Quality Conference, Kragujevac, 20 Maj, 2011
3. Ivanović M., Mitrović D., Budimac Z., Vidaković M. : Metadata harvesting learning resources - an agent-oriented approach, 15. International conference on System theory, Control and Computing (ICSTCC), Sinaia, 14-16 Oktobar, 2011, pp. 306-311, ISBN 978-973-621-323-6
4. Mitrović D., Ivanović M., Budimac Z., Vidaković M. : An overview of agent mobility in heterogeneous environments, 1. Workshop on Applications of Software Agents (WASA), Novi Sad, 3-5 Jul, 2011, pp. 52-58, ISBN 978-86-7031-188-6
5. Mitrović D., Ivanović M., Vidaković M. : Introducing ALAS: a novel agent-oriented programming language, 1. Symposium on Computer Languages, Implementations and Tools (SCLIT), Halkidiki, 19-25 Septembar, 2011, pp. 861-864, ISBN 978-0-7354-0956-9
6. Nikolić S., Penca V., Segedinac M., Konjović Z. : Semantic Web Based Architecture for Managing Hardware Heterogeneity in Wireless Sensor Network, 1. The International Conference on Web Intelligence, Mining and Semantics (WIMS), Sogndal: The Association for Computing Machinery, 25-27 Maj, 2011, ISBN 978-1-4503-0148-0

7. Nikolić S., Penca V., Temelkova S. : A Guideline for Selecting an Open-source WSN simulator, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
8. Obradović Đ. : Modeling and PostGIS implementation of the basic planar imprecise geometrical objects and relations, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011, UDK: doi: 10.1109/SISY.2011.6034313
9. Okanović D., Konjović Z., Vidaković M. : Continuous Monitoring System for Software Quality Assurance, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011
10. Okanović D., van Hoorn A., Konjović Z., Vidaković M. : Towards Adaptive Monitoring of Java EE Applications, 5. International Conference on Information Technology - ICIT, Amman, 11-13 Maj, 2011, ISBN 9957-8583-0-0
11. Okanović D., Vidaković M. : Performance Profiling of Java Enterprise Applications, 1. International Conference on Information Society Technology and Management, Kopaonik: Informaciono društvo Srbije, 7-8 Mart, 2011, pp. 60-64, ISBN 9788685525070
12. Penca V., Nikolić S., Zarić M. : XPD L WORKFLOW FOR INTEGRATION OF CMDBUILD AND OCS INVENTORY SYSTEMS, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
13. Petrović V., Ivetić D., Konjović Z. : The Versatility of the Wii Controller in CS Education, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011
14. Savić G., Segedinac M., Konjović Z. : The Implementation of the IMS LD E-course Generator, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
15. Segedinac M., Savić G., Konjović Z. : Knowledge Representation Framework for Curriculum Development, 2. International Conference on Knowledge Engineering and Ontology Development, Valencia, 25-28 Oktobar, 2010
16. Sladić G., Gostojić S., Milosavljević B., Konjović Z. : Handling Structured Data in the Alfresco System, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011, pp. 78-82
17. Sladić G., Vidaković M., Konjović Z. : Agent Based System for Network Availability and Vulnerability Monitoring, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica: IEEE, 8-10 Septembar, 2011, pp. 53-58, ISBN 978-1-4577-1973-8
18. Slivka J., Kovačević A., Konjović Z. : Multi-label classification experiments with co-training algorithm, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
19. Zarić M., Sladić G., Paroški M., Andrić S. : CMDB Based Asset Management With Integrated Open Source Systems, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011, pp. 128-133, ISBN 9788685525070

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe,

1. Sladić G. : Kontrola pristupa u poslovnim sistemima, Beograd, Zadužbina Andrejević, 2011, ISBN 978-86-525-0000-0

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Ivanović D. : Software systems for increasing availability of scientific-research outputs, Novi Sad Journal of Mathematics, 2011, ISSN 1450-5444

Spisak rezultata M53 - Rad u naučnom časopisu

1. Mijić D. : Predikcija potrošnje električne energije primenom veštačkih neuronskih mreža i mašina potpornih vektora, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 26, No 10, pp. 2318-2321, ISSN 0350-428X, UDK: 621.311.018.1
2. Nikolić S., Penca V., Segedinac M., Konjović Z. : Semantic Web Based Architecture for Managing Hardware Heterogeneity in Wireless Sensor Network, INTERNATIONAL JOURNAL OF COMPUTER SCIENCE & APPLICATIONS (IJCSA), 2011, Vol. 8, No 2, pp. 38-58, ISSN 0972-9038

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Konjović Z., Zeljković M., Tabaković S. : Sistem razvoja kadrovskih resursa za uvođenje proizvodnih kapaciteta visokih tehnologija u Automnoj Pokrajini Vojvodini, 17. Skup "Trendovi razvoja" - TREND, Kopaonik, 7-10 Mart, 2011, pp. 261-264, ISBN 978-86-7892-323-4
2. Sovilj P., Čabrilo N., Nikolić S., Penca V., Lukić Z. : AKVIZICIJA PODATAKA SA MERNIH PRETVARAČA

UZ PRIMENU ZIGBIT BEŽIČNIH MODULA, 17. YU INFO, Kopaonik: Društvo za informacione sisteme i računarske mreže, 6-9 Mart, 2011, ISBN 978-86-85525-08-7

Spisak rezultata M71 - Odbranjena doktorska disertacija

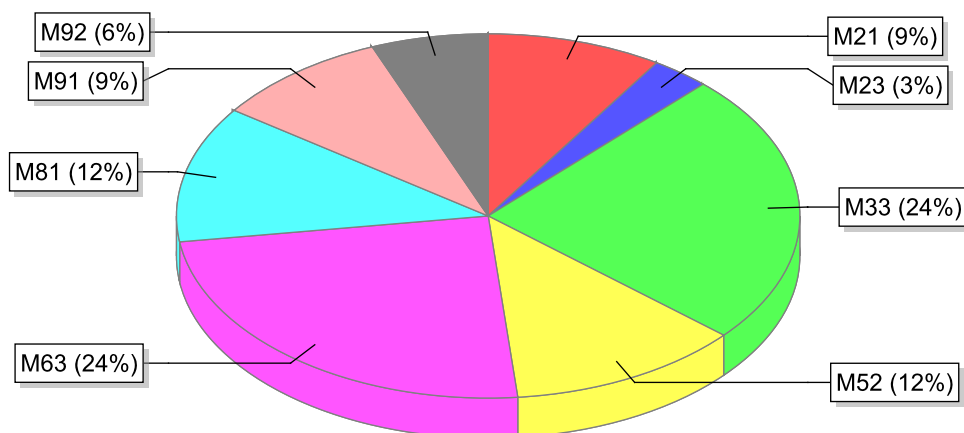
1. Kovačević A. : Automatizovano izdvajanje semantike iz naučnih članaka u oblasti informatike, 2011
2. Obradović Đ. : MODEL RAČUNARSKOG SIMULACIONOG SISTEMA ZA UPRAVLJANJE GEOPROSTOROM U USLOVIMA NEODREĐENOSTI, Novi Sad, Fakultet tehničkih nauka Novi Sad, 2011
3. Sladić G. : Model kontekstno zavisne kontrole pristupa u poslovnim sistemima, Novi Sad, Fakultet tehničkih nauka, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarsku tehniku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Rad u časopisu nacionalnog značaja	M52	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	8
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	4
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou	M91	3
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Berber S. : Accurate Derivation of Chaos-based Acquisition Phase Performance in a Fading Channel, IEEE Transactions on Wireless Communications, 2011, Vol. 11, No 2, pp. 722-731
2. Čulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D. : Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149
3. Gradojevic N., Kukolj D., Gençay R. : Parametric Option Pricing: A Divide-and-Conquer Approach, Physica D: Nonlinear Phenomena, 2011, Vol. 240, No 19, pp. 1528-1535, ISSN 0167-2789

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Čapko D., Erdeljan A., Popović M., Švenda G. : An Optimal Initial Partitioning of Large Datasets in Utility Management Systems, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 4, pp. 41-46, ISSN 1582-7445

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Gajić M., Kovačević J., Đukić M., Pečkai Kovač R. : Using a Simple Algorithm in SPP for Audio Quality Improvement Checkout, 19. Telekomunikacioni forum TELFOR, Beograd: Telfor 2011, 22-24 Novembar, 2011, ISBN 978-1-4577-1498-6
2. Kaštelan I., Katona M., Majstorović D., Neborovski E. : Students Perspective of the Embedded Engineering Learning Platform - a Case Study in Digital Design, 34. MIPRO - International convention on information and communication technology, electronics and microelectronics - Savjetovanje o mikroracionalima u telekomunikacijama, Opatija: MIPRO, 23-27 Maj, 2011, pp. 215-219, ISBN 978-953-233-063-2, UDK: [http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=5967235](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5967235)
3. Malko M., Kovačević J., Pečkai Kovač R., Gajić M., Jovanović M. : Implementation of digital audio effects for electric guitar on DSP platform, 19. Telekomunikacioni forum TELFOR, Beograd: Telfor 2011, 22-24 Novembar, 2011, ISBN 978-1-4577-1498-6
4. Popović I., Vrtunski V., Popović M. : Formal Verification of Distributed Transaction Management in a SOA Based Control System, 18. IEEE International Conference and Workshop on Engineering of Computer Based Systems, Las Vegas, 27-29 April, 2011, pp. 206-215, ISBN 978-0-7695-4379-6
5. Popović M., Bašičević I. : An Approach to Formal Verification of Embedded Software, 15. WSEAS International Conference on COMPUTERS, Krf, 15-17 Jul, 2011, pp. 29-34, ISBN 978-1-61804-019-0
6. Prljević S., Četić N., Kovačević J., Letvenčuk I. : Using model translation for software backward compatibility in DSP SDK development, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 1332-1335, ISBN 978-1-4577-1499-3
7. Stankić M., Četić N., Krnjetin M., Misirlis L. : Graphical tool for generating linker configuration files in embedded systems, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 1550-1553, ISBN 978-1-4577-1499-3
8. Vranić N., Marinković V., Đukić M., Popović M. : An approach to parallelization of sequential C code, 2. IEEE Eastern European Conference on the Engineering of Computer Based Systems, Bratislava, 5-6 Septembar, 2011, pp. 143-146, ISBN 978-0-7695-4418-2

### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Bašičević I. : Modular Design of Call Control Layer in Telephony Software, International Journal of Computer Science Issues (IJCSI), 2011, Vol. 8, No 1, ISSN 1694-0814
2. Bašičević I., Popović M. : Operational profiles for Statistical Testing of Distribution Management System, INFOCOMP Journal of Computer Science, 2011, Vol. 10, No 2, pp. 8-16, ISSN 1807-4545
3. Kukolj D. : Clustering and Classification in Option Pricing, Review of Economic Analysis
4. Popović M., Bašičević I. : Formal verification of embedded software based on software compliance properties and explicit use of time, International Journal of Computers, 2011, Vol. 5, No 3, pp. 423-430, ISSN 1998-4308

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Berber S. : Stevan Berber, V. Kovacevic, M. Temerinac, Noise Based PSK CDMA System for Secure Communications, 4. International Scientific Conference on Defensive Technologies - OTEH, Beograd, 6-7 Oktobar, 2011, pp. 1-6

2. Jokić S., Pokrić M., Krčo S., Delić V., Jokić I. : Telemedicinska aplikacija za mobilne uređaje zasnovane na Android OS, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011
3. Jovanović N., Považan I., Popović M., Bašičević I. : Otkrivanje identiteta korisnika internet usluga pomoću društvenih mreža, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, pp. 1-4, ISBN 978-86-80509-66-2
4. Mučalov N., Popović M. : Razmena podataka u elektroenergetskim sistemima zasnovanim na CIM modelu i servisno orijentisanoj arhitekturi, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, pp. 1-4, ISBN 978-86-80509-66-2
5. Nikolić N., Popović M., Maruna T., Miljković G. : Jedno rešenje DLNA medija plejer aplikacije na Android platformi, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 1390-1393, ISBN 978-1-4577-1498-6
6. Považan I., Popović M., Đukić M., Krnjetin M. : Merenje kvalitativnih karakteristika asemblerskog koda na namenskim platformama, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 1328-1331, ISBN 978-1-4577-1498-6
7. Radin N., Popović M. : Jedno rešenje komunikacione sprege i okvira za distribuiranu obradu elektroenergetskih funkcija, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 1426-1429, ISBN 978-1-4577-1498-6
8. Spasojević B., Đukić M., Zarić Z., Krnić M., Popović M. : Jedno rešenje pretraživanja prostora odluka pri sintezi koda u kompajleru, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 1540-1542, ISBN 978-1-4577-1498-6

Spisak rezultata M81 - Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo

1. Marčeta Z., Jovanović V., Katona M., Pap I., Majstorović D., Pele Z., Popov N., Vukosavljev S., Vucelja M., Rešetar I. : Integrisana programabilna kamera za obradu videa u realnom vremenu RT-CAM300, 2011
2. Miljković G., Mihić V., Savić M., Maruna T., Lukić N., Katona M., Pap I., Pjevalica N., Anđelić T., Jovanović P. : Softver za Loewe SL121 TV prijemnik u HD rezoluciji, 2011
3. Pap I., Katona M., Teslić N., Majstorović D., Zlokolica V., Lukić N., Marčeta Z., Stefanović D., Bjelica M., Jovanović Z. : Uređaj za ispitivanje zamagljene slike, 2011
4. Popović M., Spasojević D., Drašković S., Bjelica M., Pečkai Kovač R., Simić D., Bašičević I., Samardžija D., Kuzmanović N., Petrović T. : Voice communication system connecting the public telephone network (PSTN) or the phone to the Internet (VoIP), 2011

Spisak rezultata M91 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou

1. Berber S. : Systems and Methods for Data Communications in Wireless Sensor Networks, Serial No. 591654, file date 10/03/2011, New Zealand, 2011
2. Berber S. : Systems and Methods for Data Communications using Soft-Decision and Support Vector Machines, Patent No. 591637, file date 9/03/2011, New Zealand., 2011
3. Berber S. : Systems and Methods for Data Communications using Soft-Decision and Support Vector Machines, Serial No. 591654, file date 10/03/2011, New Zealand, 2011

Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

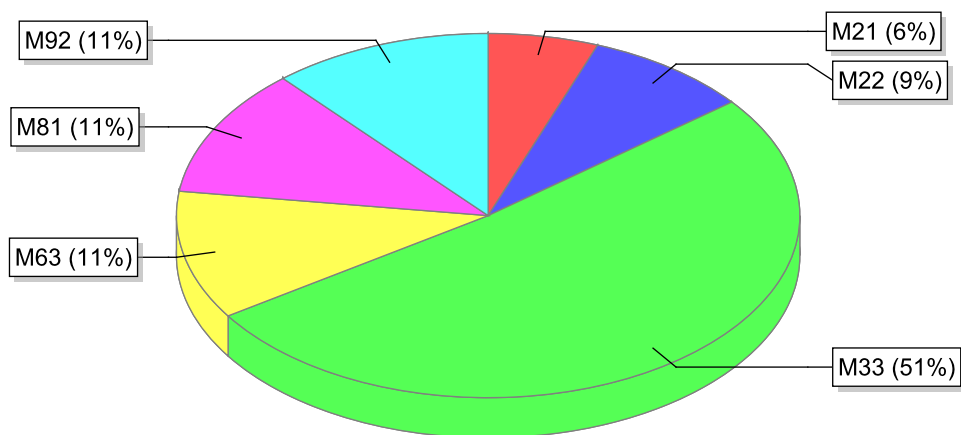
1. Kukolj D., Samardžija D., Kovačević J., Kojic D. : Postupak formiranja radio mape za sisteme bežične lokalizacije u zatvorenom prostoru P-2011/0278, 28.06.2011, 2011
2. Kukolj D., Zlokolica V., Pekovic V., Pokrić M. : Postupak i sistem za automatsku ocenu video kvaliteta multi-modelima P-2011/0251, 15.06.2011, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarske komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	18
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	4
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	4





## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Čulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D. : Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149
2. Majstorović D., Čelanović I., Teslić N., Čelanović N., Katić V. : Ultra-Low Latency Hardware-in-the-Loop Platform for Rapid Validation of Power Electronics Designs, IEEE Transaction on Industrial Electronics, 2011, Vol. 58, No 10, pp. 4708-4716, ISSN 0278-0046, UDK: <http://dx.doi.org/10.1109/TIE.2011.2112318>

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Bjelica M., Mrazovac B. : Set-Top Box-Based Communication Client with the Automatic Operation Profile Selection, IEEE Transactions on Consumer Electronics, 2011, Vol. 57, No 3, pp. 1433-1441, ISSN 0098-3063
2. Katona M. : Automated Optical Inspection System for Digital TV Sets, EURASIP J ADV SIG PR, 2011, Vol. 140, No 1, pp. 1-17, ISSN 1687-6172, UDK: [doi:10.1186/1687-6180-2011-140](https://doi.org/10.1186/1687-6180-2011-140)
3. Katona M., Kaštelan I., Peković V., Teslić N., Tekcan T. : Automatic black box testing of television systems on the final production line, IEEE Transactions on Consumer Electronics, 2011, Vol. 57, No 1, pp. 224-231, ISSN 0098-3063, UDK: [10.1109/TCE.2011.5735506](https://doi.org/10.1109/TCE.2011.5735506)

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bjelica M., Mrazovac B., Duffy R., Brophy L. : Scalable Multisensory System for a Customizable User Wake Up Experience, 1. IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin: IEEE Consumer Electronic Society, 6-8 Oktobar, 2011, pp. 303-307, UDK: [http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?arnumber=6031818](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6031818)
2. Bjelica M., Mrazovac B., Pap I., Teslić N. : Busy flag just got better: Application of lighting effects in mediating social interruptions, 34. MIPRO - International convention on information and communication technology, electronics and microelectronics - Savjetovanje o mikroracionalima u telekomunikacijama, Opatija: MIPRO 2011, 23-27 Maj, 2011, pp. 975-980, ISBN 978-1-4577-0996-8 , UDK: [http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?arnumber=5967198](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5967198)
3. Bjelica M., Mrazovac B., Pap I., Teslić N. : User Availability Estimation Prototype for Home and Office Use, 29. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 9-12 Januar, 2011, pp. 259-260, ISBN 978-1-4244-8709-7, UDK: [http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?arnumber=5722571](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5722571)
4. Bjelica M., Mrazovac B., Teslić N. : Evaluation of the Available Scripting Languages for Home Automation Networks: Real World Case Study, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 611-614, ISBN 978-86-6125-046-0
5. Gajić M., Kovačević J., Đukić M., Pečkal Kovač R. : Using a Simple Algorithm in SPP for Audio Quality Improvement Checkout, 19. Telekomunikacioni forum TELFOR, Beograd: Telfor 2011, 22-24 Novembar, 2011, ISBN 978-1-4577-1498-6
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8. Kaštelan I., Katona M., Pap I., Davidović M., Rešetar I. : An Integrated Audio and Video Communication System for Digital Television Sets, 2. IEEE Eastern European Conference on the Engineering of Computer Based Systems, Bratislava: IEEE Computer Society, 5-6 Septembar, 2011, pp. 78-84, ISBN 978-0-7695-4418-2, UDK: <http://dx.doi.org/10.1109/ECBS-EERC.2011.20>
9. Kaštelan I., Peković V., Teslić N., Tekcan T., Marijan D. : Automatic Black Box Testing of Television Systems on the Final Production Line, 29. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 9-12 Januar, 2011, pp. 896-897, ISBN 978-1-4244-2976-9

10. Katona M., Teslić N., Temerinac M. : Unified Platform for Supporting Embedded Systems Curriculum, 1. Scientix European Conference, Brussels, 6-8 Maj, 2011, UDK: [http://files.eun.org/scientix/Scientix\\_conference-programme.pdf](http://files.eun.org/scientix/Scientix_conference-programme.pdf)
11. Lukić N., Teslić N., Temerinac M., Peković V. : Real-Time Video Processing Framework for Functional Testing of the DTV/STB Devices Based on Heterogeneous Multi-Core Platform, 29. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 9-12 Januar, 2011, pp. 137-138, ISBN 978-1-4244-2976-9
12. Malko M., Kovačević J., Pečkai Kovač R., Gajić M., Jovanović M. : Implementation of digital audio effects for electric guitar on DSP platform, 19. Telekomunikacioni forum TELFOR, Beograd: Telfor 2011, 22-24 Novembar, 2011, ISBN 978-1-4577-1498-6
13. Marijan D., Zlokolica V., Teslić N., Tekcan T., Pekovic V. : User-Driven Optimized Test Case Design and Modeling for End-User Device Quality Inspection, 29. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 9-12 Januar, 2011, pp. 888-889, ISBN 978-1-4244-2976-9
14. Mrazovac B., Bjelica M., Simić Đ., Tikvić S., Pap I. : Gesture Based Hardware Interface for RF Lighting Control, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011, pp. 309-314
15. Mrazovac B., Bjelica M., Teslić N., Pap I. : Towards Ubiquitous Smart Outlets for Safety and Energetic Efficiency of Home Electric Appliances, 1. IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin: IEEE Consumer Electronic Society, 6-8 Oktobar, 2011, pp. 324-328, UDK: [http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?arnumber=6031795](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6031795)
16. Prijević S., Četić N., Kovačević J., Letvenčuk I. : Using model translation for software backward compatibility in DSP SDK development, 19. Telekomunikacioni forum TELFOR, Beograd, 22-24 Novembar, 2011, pp. 1332-1335, ISBN 978-1-4577-1499-3
17. Samardžija D., Kovač E., Isailović Đ., Miladinović B., Teslić N., Katona M. : Road Nail: Intelligent Road Marking System, 29. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 9-12 Januar, 2011, pp. 585-586, ISBN 978-1-4244-2976-9
18. Zlokolica V., Peković V., Teslić N., Tekcan T., Temerinac M. : Video Freezing Detection System for End-User Devices, 29. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 9-12 Januar, 2011, pp. 83-84, ISBN 978-1-4244-2976-9

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Janjić S., Jovanović P., Kuzmanović N., Katona M. : Sistemsko ispitivanje i verifikacija operativnog sistema Android na novoj arhitekturi, 55. ETRAN, Banja Vrućica: ETRAN, 6-9 Jun, 2011, pp. 1-4, ISBN 978-86-80509-66-2, UDK: CD RT3.2
2. Lučić I., Simić Đ., Samardžić T., Davidović M., Katona M. : "Jedno rešenje aplikacije za prikazivanje multimedijalnih reklama u okviru sistema za uslovni prikaz televizijskih kanala" "One Solution Of Advertisement Application Realised Inside Digital Television Conditional Access System", 19. Telekomunikacioni forum TELFOR, Beograd: Telecommunications Society Belgrade, ETF School of Electrical Engineering in Belgrade and IEEE Serbia and Montenegro COM Chapter, 22-24 Novembar, 2011, pp. 1155-1158, ISBN 978-1-4577-1498-6
3. Panjkov Z., Drašković S., Pele Z., Katona M. : Porting, validation and verification of Dolby Pro Logic II decoder, 19. Telekomunikacioni forum TELFOR, Beograd: Telecommunications Society Belgrade, ETF School of Electrical Engineering in Belgrade and IEEE Serbia and Montenegro COM Chapter, 22-24 Novembar, 2011, pp. 723-726, ISBN 978-1-4577-1498-6
4. Pilipović M., Kaštelan I., Leporis M., Katona M. : Algoritam za otkrivanje i praćenje regiona od interesa objekta (čovjek) pomoću optičke kamere u realnom vremenu, 55. ETRAN, Banja Vrućica: ETRAN, 6-9 Jun, 2011, pp. 1-4, ISBN 978-86-80509-66-2, UDK: CD RT3.1

Spisak rezultata M81 - Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo

1. Marčeta Z., Jovanović V., Katona M., Pap I., Majstorović D., Pele Z., Popov N., Vukosavljev S., Vucelja M., Rešetar I. : Integrisana programabilna kamera za obradu videa u realnom vremenu RT-CAM300, 2011
2. Miljković G., Mihić V., Savić M., Maruna T., Lukić N., Katona M., Pap I., Pjevalica N., Anđelić T., Jovanović P. : Softver za Loewe SL121 TV prijemnik u HD rezoluciji, 2011
3. Pap I., Katona M., Teslić N., Majstorović D., Zlokolica V., Lukić N., Marčeta Z., Stefanović D., Bjelica M., Jovanović Z. : Uređaj za ispitivanje zamagljene slike, 2011
4. Popović M., Spasojević D., Drašković S., Bjelica M., Pečkai Kovač R., Simić D., Bašičević I., Samardžija D.,

Kuzmanović N., Petrović T. : Voice communication system connecting the public telephone network (PSTN) or the phone to the Internet (VoIP), 2011

Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

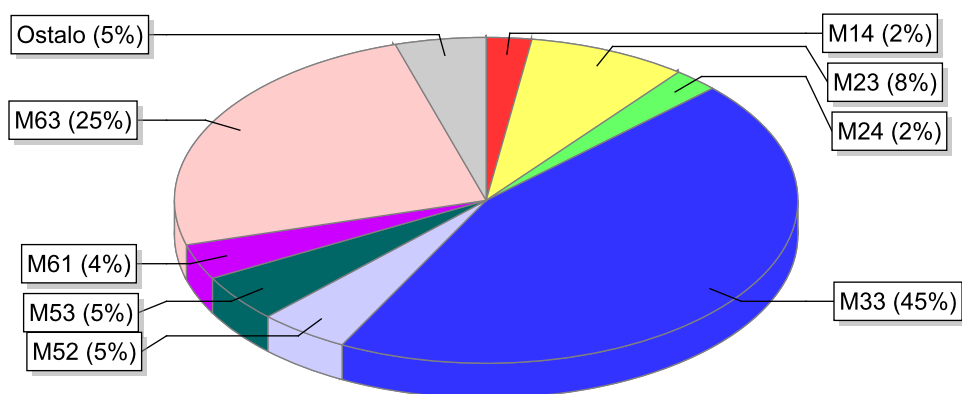
1. Katona M., Lukač Ž., Očovaj S., Nuhijević V. : Device for configuration of parameters and graphical user interface for intelligence guided system for power control of grouped electrical devices on power lines Uređaj za konfiguraciju i grafičku korisničku spregu parametara inteligentno vođenog sistema za kontrolu grupisanih električnih uređaja povezanih na energetske vodove, Beograd, Zavod za intelektualnu svojinu, 2011, UDK: broj patentne prijave: P-2011/0489
2. Kukolj D., Samardžija D., Kovačević J., Kojic D. : Postupak formiranja radio mape za sisteme bežične lokalizacije u zatvorenom prostoru P-2011/0278, 28.06.2011, 2011
3. Kukolj D., Zlokolica V., Pekovic V., Pokrić M. : Postupak i sistem za automatsku ocenu video kvaliteta multi-modelima P-2011/0251, 15.06.2011, 2011
4. Peković V., Teslić N., Kaštelan I., Katona M. : System and method for automatically testing touchscreen devices Sistem i metod za automatsko testiranje uređaja osetljivih na dodir, Beograd, Zavod za intelektualnu svojinu, 2011, UDK: broj patentne prijave: P-2011/0402

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za građevinarstvo i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	7
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	38
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	4
Rad u naučnom časopisu	M53	4
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	21
Uređivanje zbornika saopštenja skupa nacionalnog značaja	M66	1

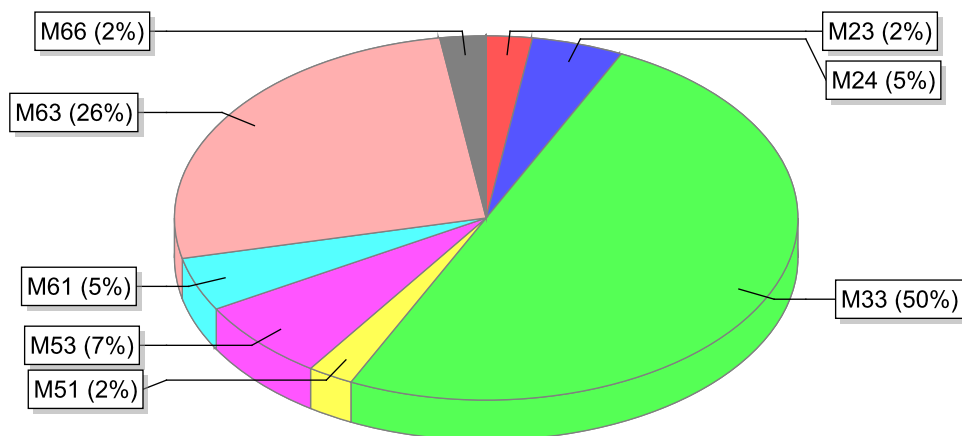


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za konstrukcije

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	21
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u naučnom časopisu	M53	3
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	11
Uređivanje zbornika saopštenja skupa nacionalnog značaja	M66	1



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### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kovačević D., Budak I., Antić A., Kosec B. : Special finite elements: Theoretical background and application, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 4, pp. 649-655, ISSN 1330-3651

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2. Lađinović Đ., Radujković A., Rašeta A. : SEISMIC PERFORMANCE ASSESMENT BASED ON DAMAGE OF STRUCTURES – PART 1: THEORY, Facta universitatis - series: Architecture and Civil Engineering, 2011, Vol. 1, No 9, pp. 77-88, ISSN 0354-4605

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2. Brujić Z. : Optimal design of rectangular RC cross-sections subjected to uni-axial bending according to Eurocode 2, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 19-21 Oktobar, 2011, pp. 243-250, ISBN 978-86-87615-02-1
3. Dukić D., Trivunić M., Starčev-Ćurčin A. : Computer program „Base FM“ for buildings, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad, 21-23 Septembar, 2011, pp. 411-416, ISBN 978-86-7892-336-4
4. Dukić D., Trivunić M., Starčev-Ćurčin A. : Contribution to the study of service life of the structures – example of religious buildings, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara, 19-21 Oktobar, 2011, pp. 381-388, ISBN 978-86-87615-02-1
5. Dukić D., Trivunić M., Starčev-Ćurčin A. : Use of cementious addition for extending the service life of concrete structures, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara, 19-21 Oktobar, 2011, pp. 43-50, ISBN 978-86-87615-02-1
6. Husejnagić E., Zenunović D., Folić R. : Measurements of ambient vibration of concrete girder bridges, 14. International Symposium MASE, Struga, 28-1 Septembar, 2011, pp. 327-334, ISBN 9989-9785-1-8
7. Kovačević D., Antić A., Budak I. : Practical Aspects of the Special Finite Elements Application, 5. PSU-UNS International Conference on Engineering and Technology - ICET, Phuket: Prince of Songkla University, Faculty of Engineering Hat Yai, 2-3 Maj, 2011, pp. 244-248
8. Kovačević D., Budak I., Antić A. : Design Concept of a Waterway Dredger Jib Structure, 5. PSU-UNS International Conference on Engineering and Technology - ICET, Phuket: Prince of Songkla University, Faculty of Engineering Hat Yai, 2-3 Maj, 2011, pp. 239-243
9. Lukić I., Milovanović V., Džolev I. : Cost effective analysis of insulation thickness of facade walls , 1. IDE 2011 Innovation as a function of engineering development, Niš: Faculty of Civil Engineering and Architecture, University of Nis, 25-26 Novembar, 2011, pp. 199-204, ISBN 978-86-80295-98-5
10. Matić B., Uzelac Đ., Okuka R. : Implementation of new methodology and software solution for assessing the condition of bridges in Serbia, 1. IDE 2011 Innovation as a function of engineering development, Niš: Faculty of Civil Engineering and Arhitecture, University of Nis, 25-26 Novembar, 2011, pp. 223-228, ISBN 978-86-80295-98-5
11. Okuka R. : Impacts of a Kraljevo earthquake on reinforced masonry buildings, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Fakultet Tehničkih Nauka, 21-23 Septembar, 2011, pp. 533-539, ISBN 978-86-7892-336-4
12. Okuka R., Matić B. : Kraljevo earthquake - strategy for preventive rehabilitation of masonry buildings in seismically active zones, 1. IDE 2011 Innovation as a function of engineering development, Niš: Faculty of Civil Engineering and Architecture, University of Nis, 25-26 Novembar, 2011, pp. 271-276, ISBN 978-86-80295-98-5
13. Popović B. : Actual Approach for Tension Stiffening Effects In Cracked Reinforced Concrete Tensioned Members/ Summary: The two basic concepts of treating of tension stiffening behavior of cracked tensioned

reinforced concrete members are presented. The first one is a load sharing approach where the average load carried by the cracked concrete is used to determine the post-cracking stress-strain response of concrete in tension. The second one is tension stiffening strain approach, which evaluates changes in member stiffness to obtain a reduction in member deformation by including the stiffening effect of the tension carried by concrete between cracks. Two variants of the actual approach of the treatment tension stiffening effects of the reinforced concrete tensioned member with and without initial mean steel strain limitation are presented. The reinforcement yield stress limitation is adopted for both variants. The developed expressions that covers previously described limitations and typical shape of bond coefficient relation for both actual approach variants are presented in the paper. The simplified variant without initial main strain limitation gives the simpler and more practical shape of bond coefficient-mean tension member strain relation., 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Society for Materials and Structures testing of Serbia, 19-21 Oktobar, 2011, pp. 227-234, ISBN 978-86-87615-02-1

14. Popović B. : Actual Approach to Shear Design of The Prestressed and Reinforced Concrete Beams/ Summary: The actual approach to shear design of the reinforced concrete and prestressed concrete beams recommended by fib Model Code 2010 is presented. The shear design Level III Approximation and corresponding set of the equations, derived from Modified Compression Field Theory (MCFT) is considered. The analyzed set of the equations is related to reinforced and prestressed concrete beams with well detailed and distributed shear reinforcement (stirrups) primarily made of deformed bar with steel quality S400 and S500, without upper limitation on the applied concrete class. The procedure for determining indicating average longitudinal strain in the beam cross section under certain combination of the applied design sectional forces is presented. The developed undimensional relationship between shear resistance coefficients incorporates code proposed limitations related to minimal shear reinforcement ratio and maximal shear resistance value. This relationship is unique for the selected value of concrete class and value of longitudinal strain indicator which is previously calculated for considered set of sectional design forces., 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Society for Materials and Structures Testing of Serbia, 19-21 Oktobar, 2011, pp. 219-226, ISBN 978-86-87615-02-1
15. Radujković A., Rašeta A., Starčev-Ćurčin A. : Modelling Multi-Storey RC Frames For Nonlinear Static Pushover Analysis, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 19-21 Oktobar, 2011, pp. 359-364, ISBN 978-86-87615-02-1
16. Ranković S., Folić R., Kovačević D. : Model of failure of NSM strengthening method of RC beams - experimental research, 25. Simpozijum o istraživanjima i primeni savremenih dostignuća u našem građevinarstvu u oblasti materijala i konstrukcija, Tara, 19-21 Oktobar, 2011, pp. 289-296, ISBN 978-86-87615-02-1
17. Rašeta A., Starčev-Ćurčin A., Radujković A. : Nonlinear Analysis of Reinforced Concrete Beam Bridges Exposed to Seismic Actions, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, 21-23 Septembar, 2011, pp. 563-572, ISBN 978-86-7892-336-4
18. Starčev-Ćurčin A., Rašeta A., Brujić Z. : Optimization of RC Plane Elements by Strut-and-Tie Models, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 19-21 Oktobar, 2011, pp. 195-202, ISBN 978-86-87615-02-1
19. Starčev-Ćurčin A., Rašeta A., Lađinović Đ. : Determination of Strut-and-Tie Models for Planar Reinforced Concrete Members, 14. International Symposium MASE, Struga: MASE - MAcEonian Association of Structural Engineers, Faculty of Civil Engineering, 28-1 Septembar, 2011, pp. 133-138, ISBN 9989-9785-1-8 (kn.1)
20. Starčev-Ćurčin A., Rašeta A., Radujković A. : A Proposal For Determining Strut-and-Tie Models of Plane RC Members, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, 21-23 Septembar, 2011, pp. 573-578, ISBN 978-86-7892-336-4
21. Vukobratović V. : Ensuring local ductility of reinforced concrete walls according to Eurocode 8, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Biblioteka Matice srpske, 21-23 Septembar, 2011, pp. 637-644, ISBN 978-86-7892-336-4

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1. Antić A., Zeljković M., Novak-Marcinčin J., Kovačević D. : Influence of Tool Wear on the Chip Forming Mechanism, WEB Electronic Journal - CA System in Production Process Planning, 2011, Vol. 12, No 1, pp. 6-9, ISSN 1335-3799
2. Radujković A., Rašeta A., Starčev-Čurčin A., Petronijević M. : ANALIZA ARMIRANOBETONSKOG OKVIRA VISOKE KLASSE DUKTILNOSTI, Zbornik radova Građevinskog fakulteta, Subotica, 2011, pp. 57-68, ISSN 0352-6852, UDK: 624.012.45:624.042.7
3. Rašeta A. : NELINEARNA SEIZMIČKA ANALIZA GREDNIH AB MOSTOVA, Građevinski kalendar, 2011, No 44, pp. 192-239, ISSN 0352-2733, UDK: 624.41.042.7

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1. Radonjanin V., Malešev M., Folić R. : Sanacija i ojačanje zidanih zgrada oštećenih usled dejstva zemljotresa, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 13-24, UDK: 69.059.3
2. Rašeta A., Lađinović Đ., Petronijević M. : Nonlinear seismic analysis of girder reinforced concrete girders, 12. Konferencija Savremena građevinska praksa, Andrevlje: Društvo građevinskih inženjera Novog Sada, Fakultet tehničkih nauka, Departman za građevinarstvo, 19-20 Maj, 2011, pp. 107-130, ISBN 978-86-7892-324-1

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1. Dukić D., Trivunić M., Starčev-Čurčin A. : Baza podataka i održavanje objekata, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor: Savez građevinskih inženjera Srbije, 9-11 Maj, 2011, pp. 57-62, ISBN 978-86-904089-9-3
2. Folić R. : Definisane predmete i problema istraživanja i uloga činjenica i hipoteza u naučnom radu, 1. Trend, Kopaonik, , pp. 129-132, ISBN 978-86-7892-323
3. Folić R., Glavardanov D. : Neki problemi pri pojačanju AB konstrukcija prednapretnim sa FRP elementima, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 441-450, UDK: 624.012.46
4. Folić R., Memić M. : Pregled tehnika poboljšanja tla i stabilizacije kosina pri gradnji brana, 4. Geotehnički aspekti građevinarstva, Zlatibor, 1-3 Novembar, 2011, pp. 221-230, UDK: 624.131.537 : 624.138
5. Folić R., Rešidbergović N., Kovčić O. : Analiza rezultata monitoringa brane Modrac u Lukavcu, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 339-350, UDK: 627.8.059.2/.3 (497.6)
6. Folić R., Zenunović D., Kovčić O. : Upporedni pregled monitoringa karakterističnih brana, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 325-338
7. Glavardanov D., Folić R. : Primeri aseizmičkog pojačavanja zidanih konstrukcija FRP elementima, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 451-455, UDK: 69.059
8. Husejnagić E., Zenunović D., Folić R. : Neki aspekti analize povišenog nivoa vibracija i sanacija oslonaca vibrosita, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 237-246
9. Memić M., Folić R. : Mehanizmi loma ankerovanih AB dijafragm, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 275-282, UDK: 624.137.7: 624.131.38
10. Memić M., Folić R. : Sanacija padine desnog boka nizvodno od objekta brane "Modrac", 4. Geotehnički aspekti građevinarstva, Zlatibor, 1-3 Novembar, 2011, pp. 267-274, UDK: 624.131.537.059.2/.3
11. Samardaković S., Mandić S., Samardaković M., Folić R. : Izgradnja podzemne etaže ispod zgrade hotela "Srbija" u Niškoj Banji, 4. Geotehnički aspekti građevinarstva, Zlatibor, 1-3 Novembar, 2011, pp. 75-80, UDK: 725.7: 69.059.7 (497.11)

Spisak rezultata M66 - Uređivanje zbornika saopštenja skupa nacionalnog značaja

1. Folić R. : Geotehnički aspekti građevinarstva, 4. Geotehnički aspekti građevinarstva, Zlatibor: Savez građevinskih inženjera Srbije, 1-3 Novembar, 2011, pp. 1-536, ISBN 978-86-88897-00-6, UDK: 624.1 (082)

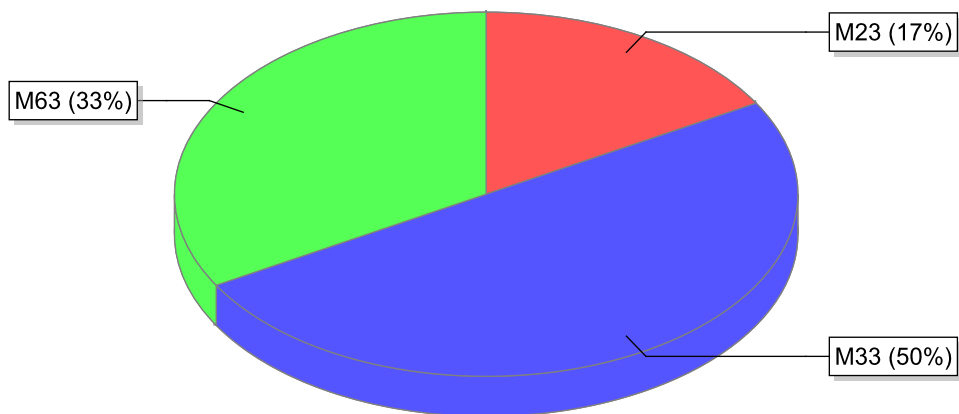


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za geotehniku i saobraćajnice

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Đogo M., Vasić M. : Landslide in the area of the bridge on the Danube in Novi Sad, Proceedings of the ICE-Geotechnical Engineering, 2011, Vol. 164, No 1, pp. 3-10, ISSN 1353-2618
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1. Matić B., Matić D., Sremac S. : The model for predicting pavement surface temperatures in Serbia, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, Novi Sad, 21-23 Septembar, 2011, pp. 479-485, ISBN 978-86-7892-336-4
2. Matić B., Mučenski V., Peško I. : Model for pavement temperature prediction according to Superpave methodology and evaluation in relation to temperatures measured in Serbia, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, Novi Sad, 21-23 Septembar, 2011, pp. 487-493, ISBN 978-86-7892-336-4
3. Matić B., Uzelac Đ., Okuka R. : Implementation of new methodology and software solution for assessing the condition of bridges in Serbia, 1. IDE 2011 Innovation as a function of engineering development, Niš: Faculty of Civil Engineering and Architecture, University of Nis, 25-26 Novembar, 2011, pp. 223-228, ISBN 978-86-80295-98-5
4. Mučenski V., Peško I., Matić B. : The Effect of Company Size on Safety and occupational Health in Construction within the European Union, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences Novi Sad, 21-23 Septembar, 2011, pp. 527-531, ISBN 978-86-7892-336-4
5. Okuka R., Matić B. : Kraljevo earthquake - strategy for preventive rehabilitation of masonry buildings in seismically active zones, 1. IDE 2011 Innovation as a function of engineering development, Niš: Faculty of Civil Engineering and Architecture, University of Nis, 25-26 Novembar, 2011, pp. 271-276, ISBN 978-86-80295-98-5
6. Sremac S., Tepić J., Matić B. : Use of biodegradable paper packaging aimed at environmental protection of aquatic ecosystem, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, 21-23 Septembar, 2011, pp. 669-675, ISBN 978-86-7892-336-4

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

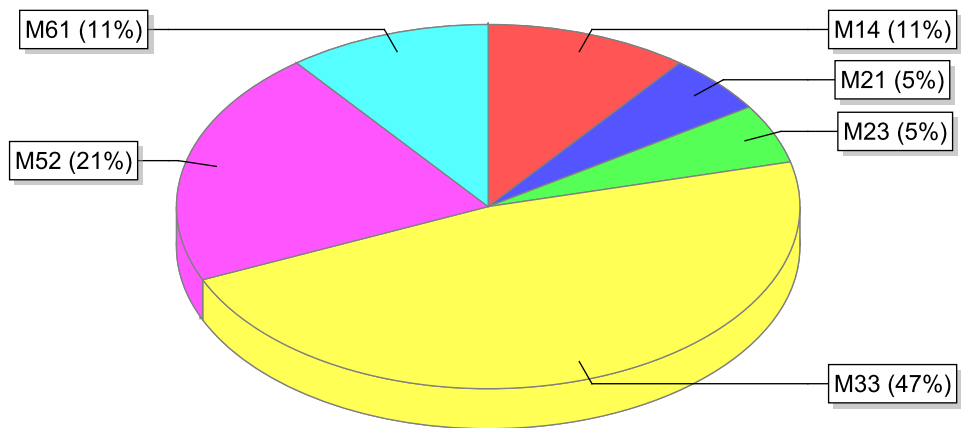
1. Baošić M., Radošević M., Radičev S., Ikonov D., Matić B. : Ljudski resursi kao strateški partner za podršku industrije 21.veka, 1. Trend, Kopaonik: FTN, Novi Sad, , pp. 225-227, ISBN 978-86-7892-323-4
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4. Vasić M., Đogo M., Ivandić I. : Geotehnički uslovi izgradnje dva velika rezervoara Transnajte u Novom Sadu, 4. Geotehnički aspekti građevinarstva, Zlatibor, 1-3 Novembar, 2011, pp. 39-44, ISBN 978-86-88897-00-6, UDK: 624.151:621.642.34

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za građevinske materijale, procenu stanja i sanaciju konstrukcija

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Rad u časopisu nacionalnog značaja	M52	4
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2



## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Marinković S., Radonjanin V., Malešev M., Ignjatović I. : Data sheet for recycled aggregate concrete, Malta, Cost Action C25, 2011, str. 497-503, ISBN 978-99957-816-1-3
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3. Lukić I., Radonjanin V., Malešev M., Milovanović V. : Effect of the lightweight aggregate, type and amount of cement on modulus of elasticity of lightweight aggregate concrete, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad, 21-23 Septembar, 2011, pp. 465-472, ISBN 978-86-7892-336-4, UDK: Faculty of Technical Sciences, Novi Sad
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6. Milovanović V., Malešev M., Radonjanin V., Lukić I. : The possibility of improving the structural lightweight aggregate concrete composition from the aspect of the environment protection, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, Novi Sad, 21-23 Septembar, 2011, pp. 517-526, ISBN 978-86-7892-336-4
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8. Radonjanin V., Malešev M., Radeka M., Lukić I., Milovanović V. : Basic properties of structural lightweight aggregate concrete in relation to type and quantity of cementitious materials - part 2, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, Beograd, 19-21 Oktobar, 2011, pp. 169-178, ISBN 978-86-87615-02-1
9. Rossi B., Lukić I., Iqbal N., Du G., C D., Paul Borg R., Haller P. : Life Cycle Impact Assessment of Steel, Composite, Concrete and Wooden Columns, 1. Sustainability of Constructions-Towards a better built environmental, Innsbruck: Department of Civil & Structural Engineering, Faculty for Built Environment, University of Malta, 3-5 Februar, 2011, pp. 277-284, ISBN 978-99957-816-0-6

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Milić D., Tica N., Zekić V., Tica N., Zekić V., Radeka M., Ranogajec J., Bačkalić Z. : Utvrđivanje vrednosti

nepoljoprivrednih zemljišta, Agroekonomika, 2011, Vol. 51, pp. 104-114, ISSN 0350-5928

2. Radeka M., Ranogajec J., Bačkalić Z., Ivančev V., Kojić P., Rudić O. : Frost action mechanisms of clay roofing tiles, Izgradnja, 2011, Vol. 65, No 9-10, pp. 570-575, ISSN 0350-5421
3. Zekić V., Tica N., Milić D., Ranogajec J., Radeka M. : Tradicionalni građevinski materijali kao element ruralnog razvoja, Agroekonomika, 2011, Vol. 51, pp. 86-92, ISSN 0350-5928
4. Zorić D., Radeka M., Ranogajec J., Bačkalić Z., Hadnađev-Kostić M. : Clay Roofing tiles with photocatalytic coatings produced in industrial conditions, Izgradnja, 2011, Vol. 65, No 9-10, pp. 535-539, ISSN 0350-5421

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

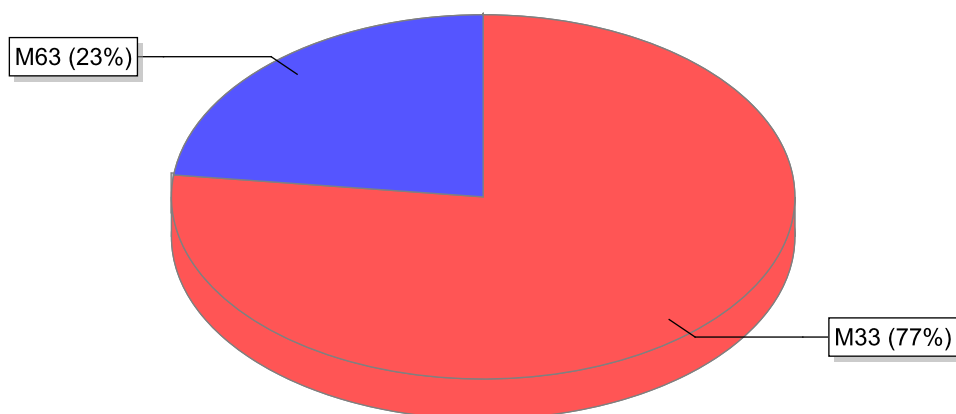
1. Malešev M., Radonjanin V., Emhemed Saed M., Milovanović V. : Zeleni betoni-nove mogućnosti održivog građevinarstva, 12. Konferencija Savremena građevinska praksa, Andrijevci: Fakultet tehničkih nauka i Društvo građevinskih inženjera Novog Sada, 19-20 Maj, 2011, pp. 209-226, ISBN 978-86-7892-324-1
2. Radonjanin V., Malešev M., Folić R. : Sanacija i ojačanje zidanih zgrada oštećenih usled dejstva zemljotresa, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, 9-11 Maj, 2011, pp. 13-24, UDK: 69.059.3

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za organizaciju i tehnologiju građenja

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3



## PRODUKCIJA - REZULTATI

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Dražić J. : Configuration of the Seismically Resistant Buildings, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Society for Materials and Structures Testing of Serbia, 19-21 Oktobar, 2011, pp. 351-358, ISBN 978-86-87615-02-1
2. Dražić J., Trivunić M., Mučenski V., Peško I. : Prefabrication in the Context of Sustainability, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Society for Materials and Structures Testing of Serbia, 19-21 Oktobar, 2011, pp. 471-478, ISBN 978-86-87615-02-1
3. Dukić D., Trivunić M., Starčev-Ćurčin A. : Computer program „Base FM“ for buildings, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad, 21-23 Septembar, 2011, pp. 411-416, ISBN 978-86-7892-336-4
4. Dukić D., Trivunić M., Starčev-Ćurčin A. : Contribution to the study of service life of the structures – example of religious buildings, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara, 19-21 Oktobar, 2011, pp. 381-388, ISBN 978-86-87615-02-1
5. Dukić D., Trivunić M., Starčev-Ćurčin A. : Use of cementitious addition for extending the service life of concrete structures, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara, 19-21 Oktobar, 2011, pp. 43-50, ISBN 978-86-87615-02-1
6. Matić B., Mučenski V., Peško I. : Model for pavement temperature prediction according to Superpave methodology and evaluation in relation to temperatures measured in Serbia, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, Novi Sad, 21-23 Septembar, 2011, pp. 487-493, ISBN 978-86-7892-336-4
7. Mučenski V., Ćirović G., Peško I., Tepić Ž., Dražić J., Trivunić M. : Analysis of Applicability of Neural Networks in Predicting the Necessary Amount of Construction material, 14. International Symposium MASE, Struga: Macedonian Association of Structural Engineers (MASE), 28-1 Septembar, 2011, pp. 105-110, ISBN 9989-9785-1-8
8. Mučenski V., Peško I., Dražić J., Trivunić M. : Estimating Potential Amount of Concrete for Recycling by Using Artificial Neural Networks within Forecaster XL application, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Society for Materials and Structures Testing of Serbia, 19-21 Oktobar, 2011, pp. 453-460, ISBN 978-86-87615-02-1
9. Mučenski V., Peško I., Matić B. : The Effect of Company Size on Safety and occupational Health in Construction within the European Union, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences Novi Sad, 21-23 Septembar, 2011, pp. 527-531, ISBN 978-86-7892-336-4
10. Peško I., Ćirović G., Mučenski V., Tepić Ž., Dražić J., Trivunić M. : Analysis and Preparation of Data in Neural Networks Calculation Stage for the Purpose of Creating Business Proposals, 10. International Conference Organization Technology and Management in Construction, Šibenik: Faculty of Civil Engineering University of Zagreb, Croatian Association for Construction Management, 7-10 Septembar, 2011, ISBN 978-953-7686-01-7

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

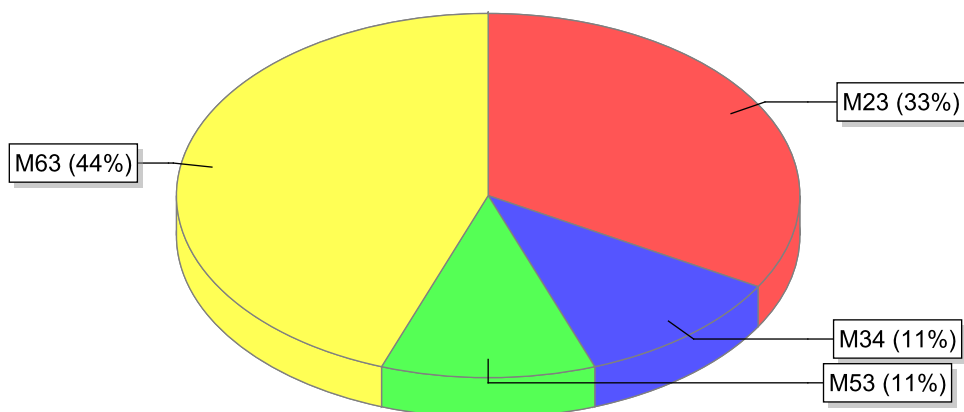
1. Dražić J., Trivunić M., Kosanović K., Mučenski V., Peško I. : Primena metode Monte Karlo u procesu transporta sveže asfaltne mešavine, 38. Simpozijum o operacionim istraživanjima, Zlatibor: Ekonomski fakultet, 4-7 Oktobar, 2011, pp. 197-200, ISBN 978-86-403-1168-7
2. Dukić D., Trivunić M., Starčev-Ćurčin A. : Baza podataka i održavanje objekata, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor: Savez građevinskih inženjera Srbije, 9-11 Maj, 2011, pp. 57-62, ISBN 978-86-904089-9-3
3. Mučenski V., Peško I., Tepić Ž., Dražić J., Trivunić M. : Analiza osetljivosti neuronske mreže prilikom predikcije količina betona za izgradnju, 38. Simpozijum o operacionim istraživanjima, Zlatibor: Ekonomski fakultet, 4-7 Oktobar, 2011, pp. 213-216, ISBN 978-86-403-1168-7

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za hidrotehniku i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4





## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Čosić Đ., Popov S., Sakulski D., Pavlović A. : Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
2. Nedeljković Ostojić J., Govedarica M., Ninkov T. : Analysis of Structure Surveying Method by 3D Laser Scanners (2010 IF=0.038), Geodetski list, 2011, Vol. 65, No 1, pp. 37-54, ISSN 0016-710X, UDK: 624:528.482:528.517.8:681.783.25:528.088:528.089.6
3. Ninkov T., Govedarica M., Trifković M. : One Method of Renewal of Stereographics Survey Data in Coka Municipality (2010 IF=0.038), Geodetski list, 2011, Vol. 68, No 4, pp. 1-12, ISSN 0016-710X

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Pavlović A., Milutin D., Popov S., Ruman A., Sakulski D., Čosić Đ. : ON COMPLEMENTARITY OF MONITORING DATA FOR NATURAL HAZARD RISK ASSESSMENT, 1. International Conference on the Status and Future of the Worlds Large Rivers, Vienna: TRIBUN EU, 11-14 April, 2011, pp. 346-346, ISBN 978-80-7399-518-8

### Spisak rezultata M53 - Rad u naučnom časopisu

1. Čosić Đ., Popov S., Sakulski D., Pavlović A., Palić D. : Importance of Vulnerability in Disaster Risk Management, International Journal of Industrial Engineering and Management - IJIEM, 2011, Vol. 2, No 2, pp. 51-60, ISSN 2217-2661

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

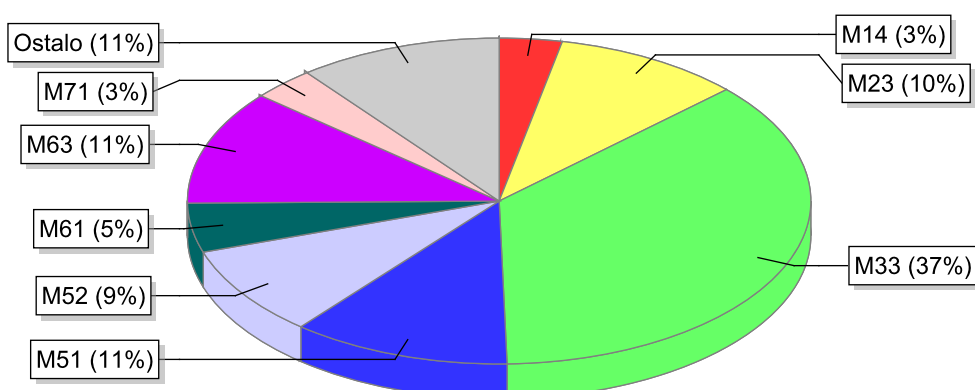
1. Hodolič J., Čosić I., Kovačević I., Katić V., Kolaković S., Vrebalov V. : Akreditacija naučnoistraživačkog rada i njegov značaj za obrazovni proces, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 100-106, ISBN 978-86-7892-323-4
2. Ivanišević A., Demko-Rihter J., Pavlović A. : Jedan pogled na krizu u Srbiji-zakasnela tranzicija kao faktor pojačavanja krize, 1. Socijalni identitet u uslovima krize: problemi i rešenja, Novi Sad, 5 Novembar, 2011, pp. 57-73, ISBN 978-86-7892-358-6
3. Katić V., Kolaković S., Hodolič J., Čosić I., Kovačević I. : Prednosti i nedostaci primene statističkog metoda ocenjivanja, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 181-184, ISBN 978-86-7892-323-4
4. Kovačević I., Čosić I., Katić V., Kolaković S., Hodolič J. : Efekti Bolonjskog procesa 2020, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 27-29, ISBN 978-86-7892-323-4

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za saobraćaj

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	3
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	4
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	12
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	45
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u vodećem časopisu nacionalnog značaja	M51	14
Rad u časopisu nacionalnog značaja	M52	11
Rad u naučnom časopisu	M53	2
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	6
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	14
Odbranjena doktorska disertacija	M71	4

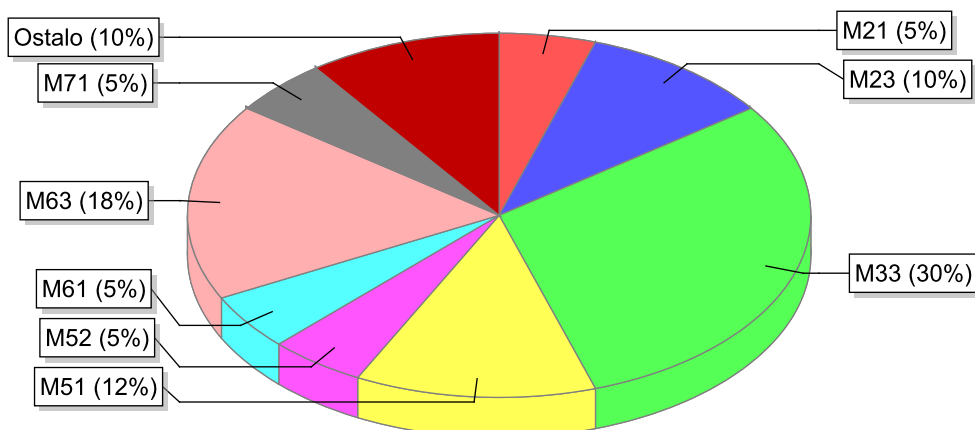


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za saobraćajne sisteme

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	4
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	12
Rad u vodećem časopisu nacionalnog značaja	M51	5
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	7
Odbranjena doktorska disertacija	M71	2



## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Tanackov I., Bogdanović V., Tepić J., Sremac S., Ruškić N. : The Application of Artificial Intelligence Hybrid in Traffic Flow, Heidelberg, Springer, Heidelberg, 2011, str. 83-90, ISBN 0302-9743, UDK: 978-3-642-21219-2\_12

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Basarić V., Jović J. : Target modal split models, Transport, 2011, Vol. 26, No 4, pp. 418-424, ISSN 1648-4142
2. Jovanović D., Bačkalić T., Bašić S. : The application of reliability models in traffic accident frequency analysis, Safety Science, 2011, Vol. 49, No 8-9, pp. 1246-1251, ISSN 0925-7535

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Jovanović D., Lipovac K., Stanojević P., Stanojević D. : The effects of personality traits on driving-related anger and aggressive behaviour in traffic among Serbian drivers, Transportation Research Part F - Traffic Psychology and Behaviour, 2011, Vol. 14, No 1, pp. 43-53, ISSN 1369-8478

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Antić B., Vujanić M., Jovanović D., Pešić D. : Impact of the new road traffic safety law on the number of traffic casualties in Serbia, Scientific Research and Essays, 2011, Vol. 6, No 29, pp. 6176-6184, ISSN 1992-2248
2. Bogdanović V., Dadić I., Papić Z., Ruškić N. : Procedure for Safe Distance Determination for Minor Movement Accomplishing at Unsignalized Intersections, Promet - Traffic&Transportation, 2011, Vol. 23, No 4, pp. 315-321, ISSN 0353-5320
3. Jovanović D., Stanojević P., Stanojević D. : Motives for, and attitudes about, driving-related anger and aggressive driving, Social Behavior and Personality: An International Journal, 2011, Vol. 39, No 6, pp. 755-764, ISSN 0301-2212
4. Kopic M., Kurtović-Folić N. : Principles of the Design of Urban Space that Support Rail Systems from the Aspect of Urban Elements and Elements of Relief, Geodetski vestnik, 2011, Vol. 55, No 4, pp. 726-749, ISSN 0351-0271, UDK: 528-863

Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Vojinović-Miloradov M., Basarić V. : Towards a clean air city - challenging paradigm of urban mobility, 3. Towards a humane city, Novi Sad: Fakultet tehničkih nauka Novi Sad, 27-28 Oktobar, 2011, pp. 41-55, ISBN 978-86-7892-349-4

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Miličić M., Basarić V. : Measuring the Results of the Transporting Companies, 2. Life Cycle Engineering and Management, Beograd: Research Center of Dependability and Quality Management, 29-30 Jun, 2011, pp. 227-232, ISBN 978-86-86355-06-5
2. Miličić M., Gladović P., Basarić V. : Influential Parameters of Accumulation of the Intercity Bus Lines, ICDQM 2011, 2. Life Cycle Engineering and Management, Beograd: Reserch Center of Dependability and Quality Managemant, 29-30 Jun, 2011, pp. 240-245, ISBN 978-86-86355-06-5
3. Mitrović J., Basarić V. : LRT system as a tool of travel demand management, 2. Life Cycle Engineering and Management, Beograd: Istraživački centar DQM, Čačak, 29-30 Jun, 2011, pp. 252-257, ISBN 978-86-86355-06-5
4. Mitrović J., Basarić V. : Technological changes and opportunities for light rail transit, 2. Life Cycle Engineering and Management, Beograd: Istraživački centar DQM, Čačak, 29-30 Jun, 2011, pp. 246-252, ISBN 978-86-86355-06-5
5. Mitrović J., Miličić M. : Win-win Strategies to Encourage Efficient Transport, 3. Towards a humane city, Novi Sad: Fakultet tehničkih nauka, Departman za saobraćaj, 27-28 Oktobar, 2011, pp. 197-202, ISBN 978-86-7892-349-4, UDK: 656.025.2(082)
6. Mitrović J., Ruškić N. : Benefits of non-motorized active transportation, 3. Towards a humane city, Novi Sad: Fakultet tehničkih nauka Novi Sad, 27-28 Oktobar, 2011, pp. 209-214, ISBN 978-86-7892-349-4, UDK: 656.025.2(082)
7. Papić Z., Bogdanović V., Ruškić N., Kostić S. : Multibody modeling of characteristic pedestrian positions for traffic accident reconstruction, 23. Nauka i motorna vozila, Beograd: JUMV - Yugoslav Society of Automotive

Engineers, 19-21 April, 2011, pp. 1-10, ISBN 978-86-80941-36-3

8. Radojković M., Papić Z., Pitka P. : The tariff policy and the tariff system as a means of managing parking, 3. Towards a humane city, Novi Sad: Faculty of technical sciences, 27-28 Oktobar, 2011, pp. 163-168, ISBN 978-86-7892-349-4
9. Simeunović M., Leković M., Bogdanović V., Papić Z. : Adaptive traffic control, 2. Life Cycle Engineering and Management, Beograd: Research Center DQM, 29-30 Jun, 2011, pp. 215-221, ISBN 978-86-86355-06-5, UDK: 005.96(082) 005.94(082) 005.21.339.137(082) 005.656(082)
10. Simeunović M., Pitka P., Leković M., Radojković M. : Comparative analysis of indicators of public transport in area of Novi Sad in period 2000/2010, 3. Towards a humane city, Novi Sad: Fakultet tehničkih nauka, 27-28 Oktobar, 2011, pp. 121-128, ISBN 978-86-7892-349-4, UDK: 656.025.2(082)
11. Stojanović Đ., Basarić V., Gajić V. : The impact of freight transport on urban noise, 3. Towards a humane city, Novi Sad: FTN, 27-28 Oktobar, 2011, ISBN 978-86-7892-349-4
12. Vojinović-Miloradov M., Basarić V. : Towards a clean air city - challenging paradigm of urban mobility, 3. Towards a humane city, Novi Sad: Department for traffic engineering faculty of technical sciences, 27-28 Oktobar, 2011, pp. 41-55, ISBN 978-86-7892-349-4

#### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Basarić V., Miličić M., Basarić Đ. : Internalization of External Cost as an Instrument of Travel Demand Management, *Suvremeni promet*, 2011, Vol. 31, No 3-4, pp. 249-251, ISSN 0351-1898, UDK: 656
2. Basarić V., Mitrović J., Miličić M. : The Influence of the Trip Generation Model on Favoring the Use of the Passenger Car, *Suvremeni promet*, 2011, Vol. 31, No 1-2, pp. 97-100, ISSN 0351-1898, UDK: 656
3. Bogdanović V., Papić Z., Ruškić N., Basarić V., Jusufrić J. : Analysis of Traffic Conditions Influence on Capacity of Unsignalized Intersection Approach, *Suvremeni promet*, 2011, Vol. 31, No 3-4, pp. 257-262, ISSN 0351-1898
4. Bogdanović V., Papić Z., Ruškić N., Jeftić A. : Vehicle Speed Characteristics at Signalized Intersections Approaches, *Suvremeni promet*, 2011, Vol. 31, No 3-4, pp. 196-200, ISSN 0351-1898
5. Papić Z., Bogdanović V., Simeunović M., Jusufrić J. : Investigation of Vehicle Lateral Acceleration Caused by Crash Avoidance During Obstacle Detour, *Suvremeni promet, Časopis za pitanja teorije i prakse prometa*, Vol.29, Str. 177-308, Zagreb, svibanj/kolovoz 2009., 2011, Vol. 31, No 3-4, pp. 251-256, ISSN 0351-1898, UDK: 531.3.656

#### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Basarić V., Miličić M. : Critical analysis of the application of classic four-step model, *Put i saobraćaj*, 2011, Vol. 57, No 4, pp. 5-8, ISSN 0478-9733
2. Simeunović M., Leković M., Radojković M., Pitka P. : The Information System "Isput" for Monitoring and Controlling Transport, *Suvremeni promet*, 2011, pp. 65-69, ISSN 0351-1898, UDK: 343.346:614.8

#### Spisak rezultata M53 - Rad u naučnom časopisu

1. Basarić V., Veličković M., Stojanović Đ., Basarić V. : An approach to city logistics terminal location problem in Novi Sad, *Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics*, 2011, ISSN 1224-6077

#### Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Kostić S. : Izbegavanje naleta na prepreku bočnim izmicanjem - novi pristup, X Simpozijum, Zlatibor, 10. Analiza složenih saobraćajnih nezgoda i prevare u osiguranju, Zlatibor, 17-19 Novembar, 2011
2. Kostić S. : Opasne situacije nastale prilikom preduzimanja radnji kao uzrok složenih saobraćajnih nezgoda, X simpozijum o saobraćajnim nezgodama, Zlatibor, 10. Analiza složenih saobraćajnih nezgoda i prevare u osiguranju, Zlatibor, 17-19 Novembar, 2011

#### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bogdanović V., Papić Z., Ruškić N., Kojić R. : Analiza uticaja izgradnje obilaznice oko Brčkog na okolinu, 2. Ekologija i saobraćaj, Travnik: Internacionalni univerzitet Travnik, 2-3 Jun, 2011, pp. 275-283, ISBN 2232-8807
2. Bogdanović V., Ruškić N., Kojić R. : Analiza uticaja veličine saobraćajnog toka na koncentraciju sumpordioksida i ugljen-monoksida u Brčkom, 2. Ekologija i saobraćaj, Travnik: Internacionalni univerzitet Travnik, 2-3 Jun, 2011, pp. 402-411, ISBN 2232-8807
3. Gladović P., Basarić V., Popović V. : Ocena efekata uvođenja autobusa na prirodni gas u sistem JGPP-a u

Kragujevcu, 2. Ekologija i saobraćaj, Travnik, 2-3 Jun, 2011, pp. 248-259, ISBN 2232-8807

4. Kostić S. : Konstrukcija i primena dijagrama energetskih rastera za tipske modele vozila, 6. Savetovanje na temu saobraćajne nezgode, Zlatibor, 27-29 April, 2011
5. Kostić S., Bogdanović V., Papić Z., Simeunović M. : Uzroci i greške kod saobraćajnih nezgoda - novi pristup u njihovoj sistematizaciji, 6. Savetovanje na temu saobraćajne nezgode, Zlatibor, 27-29 April, 2011
6. Kostić S., Ruškić N., Saulić N. : OPASNE SITUACIJE NASTALE PRILIKOM PREDUZIMANJA RADNJI KAO UZROK SLOŽENIH SAOBRAĆAJNIH NEZGODA , 10. Analiza slozenih saobraćajnih nezgoda i prevare u osiguranju, Zlatibor: Saobraćajni fakultet Beograd, 17-19 Novembar, 2011, pp. 59-71, ISBN 978-86-7395-286-4
7. Papić Z., Bogdanović V., Kostić S., Ruškić N. : Značaj fotogrametrijske rektifikacije u istraživanju saobraćajnih nezgoda, 6. Savetovanje na temu saobraćajne nezgode, Zlatibor: IPJ, 27-29 April, 2011, pp. 69-76, ISBN 978-86-6041-060-5

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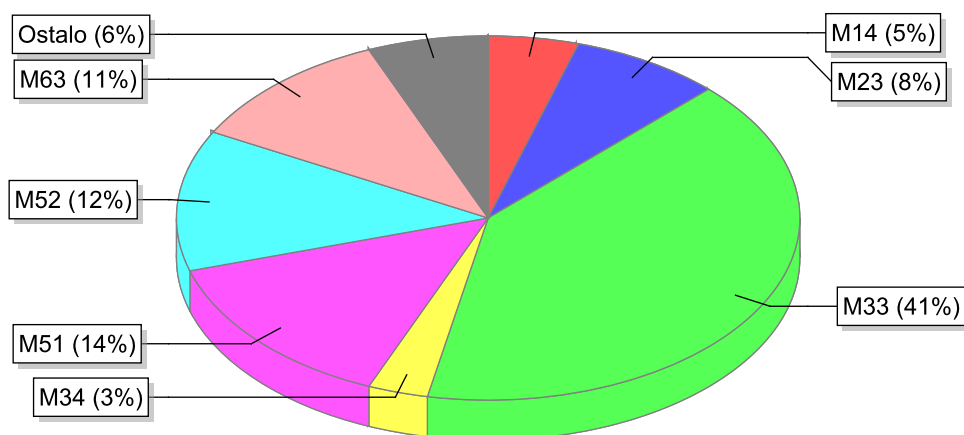
1. Basarić V. : Model upravljanja raspodelom putovanja na vidove prevoza u funkciji održivog razvoja, Novi Sad, Autorski reprint, 2011
2. Kopic M. : Koncept urbanih prostora koji sadrže šinske sisteme za prevoz putnika, Novi Sad, Fakultet tehničkih nauka, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije transportno logističkih sistema

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	3
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	5
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	26
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	9
Rad u časopisu nacionalnog značaja	M52	8
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	7
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Simić D., Simić S., Tanackov I. : An Approach of Soft Computing Applications in Clinical Neurology , Berlin, Springer-Verlag Berlin Heidelberg, LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, Lecture Notes in Computer Science , 2011, str. 429-436, ISBN 978-3-642-21221-5 , UDK: ISSN 0302-9743 DOI 10.1007/978-3-642-21222-2

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

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2. Tanackov I., Bogdanović V., Tepić J., Sremac S., Ruškić N. : The Application of Artificial Intelligence Hybrid in Traffic Flow, Heidelberg, Springer, Heidelberg, 2011, str. 83-90, ISBN 0302-9743, UDK: 978-3-642-21219-2\_12
3. Tanackov I., Stojić G., Tepić J., Kostelac M., Sinani F., Sremac S. : Golden Ratio (Sectiona Aurea) in Markovian Ants AI Hybrid, Berlin, Springer Lecture Notes in Artificial Intelligence, 2011, str. 356-367, ISBN 978-3-642-23857-4

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Jovanović D., Bačkalić T., Bašić S. : The application of reliability models in traffic accident frequency analysis, Safety Science, 2011, Vol. 49, No 8-9, pp. 1246-1251, ISSN 0925-7535

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kocić-Tanackov S., Dimić G., Lević J., Tanackov I., Tuco D. : Antifungal activities of basil (*Ocimum basilicum* L.) extract on *Fusarium* species, African Journal of Biotechnology, 2011, Vol. 10, No 50, pp. 9999-9999, ISSN 1684-5315
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3. Tanackov I., Tepić J., Kostelac M. : The Golden Ratio in Probabilistic and Artificial Intelligence, Tehnički vjesnik/Technical Gazette, 2011, Vol. 19, No 4, pp. 641-647, ISSN 1330-3651, UDK: UDC/UDK 514.112:[519.217+004.896]
4. Tepić J., Tanackov I., Stojić G. : Ancient Logistic - Historical Timeline and Etymology, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 3, ISSN 1330-3651
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1. Bačkalić T., Maslarić M. : Climate Change and the Risk Management in Serbian Inland Waterway Transport, 1. CCEDEP- 1st Climate Change, Economic Development, Environmental and People Conference/International Scientific Conference, Novi Sad: Educons University, 14-16 Septembar, 2011, ISBN 978-86-87785-32-8
2. Bačkalić T., Maslarić M. : River depth as a crucial part of the risk management in inland water transport, 14. ICTS 2011-14th International Conference on Transport Science, Fakulteta za pomorstvo in promet Univerze v Ljubljani, Portoroz, Slovenia, Portorož: Fakulteta za pomorstvo in promet Univerze v Ljubljani, 27 Maj, 2011, ISBN 978-961-6044-92-9
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4. Krstanović S., Stojić G., Šešlija D., Tanackov I., Tarjan L., Tepić J. : A Model of Remote Control of Railway Traffic Based on PLC Technique, 46. International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST, Niš: Published by Faculty of Electronic Engineering, University of Niš, Serbia, Printed by UNIGRAF, Niš, Serbia, 29-1 Jun, 2011, pp. 766-769, ISBN 978-86-6125-033-0



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6. Miličić M., Gladović P., Basarić V. : Influential Parameters of Accumulation of the Intercity Bus Lines, ICDQM 2011, 2. Life Cycle Engineering and Management, Beograd: Reserch Center of Dependability and Quality Managemant, 29-30 Jun, 2011, pp. 240-245, ISBN 978-86-86355-06-5
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8. Radojković M., Papić Z., Pitka P. : The tariff policy and the tariff system as a means of managing parking, 3. Towards a humane city, Novi Sad: Faculty of technical sciences, 27-28 Oktobar, 2011, pp. 163-168, ISBN 978-86-7892-349-4
9. Raičević V., Vesković S., Marković M., Pavlović N., Aćimović S., Stojić G. : Model for Selection of the Railway Agency Organization with Emphasis on EU Standards for Railway Sector in Serbia, 1. International Conference on climate friendly transport "Shaping climate friendly transport in Europe, kez findings&future directions", Beograd, 16-17 Maj, 2011, pp. 282-288, ISBN 978-86-7395-282-6
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11. Simeunović M., Pitka P., Leković M., Radojković M. : Comparative analysis of indicators of public transport in area of Novi Sad in period 2000/2010, 3. Towards a humane city, Novi Sad: Fakultet tehničkih nauka, 27-28 Oktobar, 2011, pp. 121-128, ISBN 978-86-7892-349-4, UDK: 656.025.2(082)
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13. Sremac S., Tepić J., Matic B. : Use of biodegradable paper packaging aimed at environmental protection of aquatic ecosystem, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, 21-23 Septembar, 2011, pp. 669-675, ISBN 978-86-7892-336-4
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17. Škiljaica V., Miličić M., Škiljaica I. : Principles of Defining Passenger Vessels for the Needs of Urban and Suburban Transport, 3. Towards a humane city, Novi Sad: Fakultet tehničkih nauka, Departman za saobraćaj , 27-28 Oktobar, 2011, pp. 115-120, ISBN 978-86-7892-349-4, UDK: 656.025.2(082)
18. Škiljaica V., Škiljaica I. : Determination of functional relation between drift angle of vessels and their basic constructive characteristics, 2. Life Cycle Engineering and Management, Beograd: Reserch Center of Dependability and Quality Managemant, 29-30 Jun, 2011, pp. 257-262, ISBN 978-86-86355-06-5
19. Škiljaica V., Škiljaica I. : Use of Information System to Determine Critical Speed of Navigation of Vessels on Confined Waterway, 6. International Conference on Ports and Waterways POWA, Zagreb: University of Zagreb Faculty of Transport and Traffic Sciences, Zagreb, Croatia, 12 Oktobar, 2011, pp. 95-101, ISBN 1848-252X
20. Škiljaica V., Škiljaica I., Živković M. : The influence of different vessel speeds of navigation on meeting in navigable channels of hydro system Danube-Tisa-Danube, 2. International Conference on Ship Manoeuvring in Shallow and Confined Water: Ship to Ship Interaction, Trondheim: The Royal Institutional of Naval Architects, London, 18-20 Maj, 2011, pp. 351-358, ISBN 13:978-1-905040-83-4
21. Tanackov I., Tepić J., Kostelac M. : The Golden Ratio as a New Field of Artificial Intelligence, 3.

Management of Technology – Step to Sustainable Production - MOTSP, Bol: Faculty of Mechanical Engineering and Naval Architecture Zagreb, 8-10 Jun, 2011, pp. 40-47, ISBN 978-953-7738-10-5

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24. Tepić J., Kostelac M., Stojić G., Tanackov I., Sremac S. : Enhanced environmental protection through improvements in railway systems maintenance by application of direct drive, 3. Towards a humane city, Novi Sad: Faculty of Technical Sciences, 27-28 Oktobar, 2011, pp. 323-330, ISBN 978-86-7892-349-4
25. Tepić J., Sremac S., Aleksić D., Tanackov I., Stojić G. : Multimodal transport technology "A" for reducing carbon dioxide emission, 1. International Conference on climate friendly transport "Shaping climate friendly transport in Europe, key findings & future directions", Beograd: Faculty of Transport and Traffic Engineering, 16-17 Maj, 2011, pp. 282-288, ISBN 978-86-7395-282-6
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1. Tanackov I. : Configuration of Continents During the archeon and Earth's Rotation, 1. International Conference of Craton Formation and Destruction, Beijing, 25-29 April, 2011
2. Tanackov I., Tepić J., Kostelac M., Stojić G. : Calculation of Aerodynamic Profile Coefficient of Individual Vehicles in Railway Compositions, 28. Danubia Adria Symposium, Siófok, 28-1 Oktobar, 2011

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Aleksić D., Tepić J., Sremac S., Stanić M. : Reducing CO<sub>2</sub> Emission with Multimodal Transport Technologie A on Serbian Part of Corridor X, Mechanics transport communications, 2011, Vol. 3, No 0568, pp. 113-121, ISSN 1312-3823
2. Basarić V., Miličić M., Basarić Đ. : Internalization of External Cost as an Instrument of Travel Demand Management, Suvremeni promet, 2011, Vol. 31, No 3-4, pp. 249-251, ISSN 0351-1898, UDK: 656
3. Basarić V., Mitrović J., Miličić M. : The Influence of the Trip Generation Model on Favoring the Use of the Passenger Car, Suvremeni promet, 2011, Vol. 31, No 1-2, pp. 97-100, ISSN 0351-1898, UDK: 656
4. Dimanovski K., Stojić G., Vesković S., Tepić J. : Marketing Research of Railway Passenger Service Quality, Mechanics transport communications, 2011, Vol. 3, pp. 61-67, ISSN 1312-3823
5. Kocić-Tanackov S., Dimić G., Tanackov I., Tuco D. : Antifungal activity of oregano extract against *A. Versicolor*, *E. Nidulans* and *Eurotium* spp.: Producers of sterigmatocystin, Zbornik Matice srpske za prirodne nauke, 2011, Vol. 120, pp. 165-176, ISSN 0352-4906
6. Papić Z., Bogdanović V., Simeunović M., Jusufrić J. : Investigation of Vehicle Lateral Acceleration Caused by Crash Avoidance During Obstacle Detour, Suvremeni promet, Časopis za pitanja teorije i prakse prometa, Vol.29, Str. 177-308, Zagreb, svibanj/kolovoz 2009., 2011, Vol. 31, No 3-4, pp. 251-256, ISSN 0351-1898, UDK: 531.3.656
7. Sremac S., Stojić G., Tepić J., Tanackov I. : Fair Merchandise Supply Simulation Model, Mechanics transport communications, 2011, Vol. 3, pp. 22-27, ISSN 1312-3823
8. Stanić M., Stojić G., Tanackov I., Aleksić D. : Model for the Optimization of Technology and Capacity in Marshalling Station, Mechanics transport communications, 2011, Vol. 3, No 1, pp. 36-45, ISSN 1312-3823
9. Škiljaica V., Škiljaica I., Miličić M. : Parameter of Transport Effectiveness as Criterion for Choice of Vessel for Public Urban and Suburban Transportation, UDK: 656

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Basarić V., Miličić M. : Critical analysis of the application of classic four-step model, Put i saobraćaj, 2011, Vol. 57, No 4, pp. 5-8, ISSN 0478-9733
2. Dimanovski K., Stojić G., Vesković S., Tepić J. : Marketing Research of Railway Passenger Service Quality, Mechanics transport communications, 2011, Vol. 3, No 0558, pp. 61-67, ISSN 1312-3823

3. Simeunović M., Leković M., Radojković M., Pitka P. : The Information System "Isput" for Monitoring and Controlling Transport, *Suvremeni promet*, 2011, pp. 65-69, ISSN 0351-1898, UDK: 343.346:614.8
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6. Stojić G., Tepić J., Tanackov I., Sremac S. : Dizajniranje modela institucionalnog organizovanja upravljača železničkom infrastrukturom, *Tehnika*, 2011, Vol. 66, No 4, pp. 663-669, ISSN 0040-2176
7. Tepić J., Stojić G., Tanackov I., Vesković S. : Utvrđivanje zavisnosti otpora krivine od mase i brzine voza, *Tehnika*, 2011, Vol. 66, No 3, pp. 417-424, ISSN 0040-2176
8. Tepić J., Vesković S., Stojić G., Tanackov I., Aleksić S. : Uticaj intermodalnog transporta na zaštitu životne sredine, *ECOLOGICA*, 2011, Vol. 18, No 63, pp. 439-444, ISSN 0354-3285

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Dimanoski K., Stojić G., Vesković S., Branović I. : Model za determinisanje kvaliteta usluga u putničkom železničkom prevozu, 3. Novi horizonti saobraćaja i komunikacija, Doboj, 24-25 Novembar, 2011, pp. 43-47, ISBN 978-99955-36-28-2
2. Gladović P., Basarić V., Popović V. : Ocena efekata uvođenja autobusa na prirodni gas u sistem JGPP-a u Kragujevcu, 2. Ekologija i saobraćaj, Travnik, 2-3 Jun, 2011, pp. 248-259, ISBN 2232-8807
3. Kostić S., Bogdanović V., Papić Z., Simeunović M. : Uzroci i greške kod saobraćajnih nezgoda - novi pristup u njihovoj sistematizaciji, 6. Savetovanje na temu saobraćajne nezgode, Zlatibor, 27-29 April, 2011
4. Milanović J., Vukobrat R., Tanackov I., Stojić G. : Informacioni sistem za praćenje transporta opasnih materija, 3. Novi horizonti saobraćaja i komunikacija, Doboj, 24-25 Novembar, 2011, pp. 61-68, ISBN 978-99955-36-28-2
5. Popović V., Miličić M. : Primena savremenih informacionih tehnologija u projektovanju transporta opasnih materija, II SAVETOVANJE SA MEĐUNARODNIM UČEŠĆEM, 02. i 03. jun 2011. Travnik-Vlašić, 2. Ekologija i saobraćaj, Travnik: Internacionalni Univerzitet Travnik, 2-3 Jun, 2011, pp. 393-401, ISBN 2232-8807
6. Simović Ž., Stojić G., Tepić J., Tanackov I., Sremac S. : Utvrđivanje opravdanosti rekonstrukcije i modernizacije železničke pruge Petrovaradin–Beočin, 3. Novi horizonti saobraćaja i komunikacija, Doboj: Saobraćajni fakultet, 24-25 Novembar, 2011, pp. 453-459, ISBN 978-99955-36-28-2
7. Sremac S., Tepić J., Tanackov I., Stojić G. : Smanjenje emisije ugljendioksida u transportu robe primenom intermodalne tehnologije "A", 1. Naučno-stručni skup Politehnika 2011, Beograd: Beogradska politehnika, 2 Decembar, 2011, pp. 321-325, ISBN 978-86-7498-047-7

Spisak rezultata M71 - Odbranjena doktorska disertacija

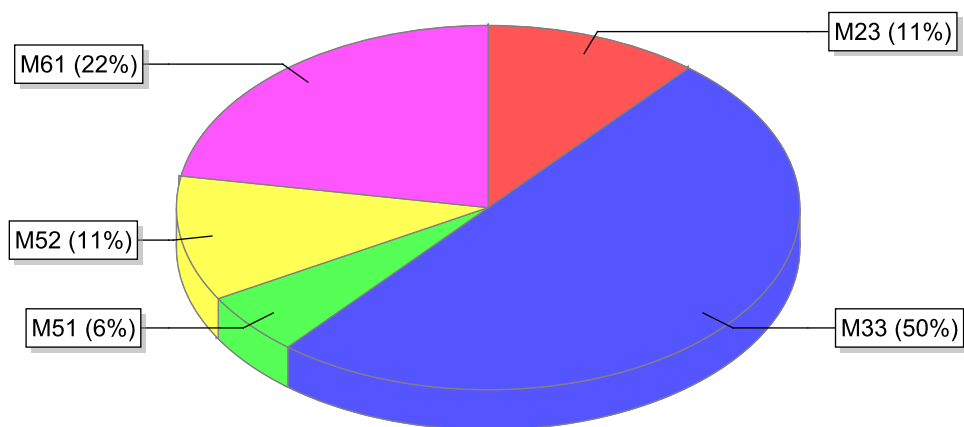
1. Miličić M. : Prilog istraživanju akumulativnosti rada međumesnih autobuskih linija, Novi Sad, Fakultet tehničkih nauka, 2011, str. 1-184, UDK: 656(043.3)

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za poštanski saobraćaj i komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	2
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	4



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kujačić M., Šarac D., Marković D., Jovanović B. : Providing universal postal service in developing countries, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 1158-1165, ISSN 1993-8233
2. Marković Lj., Atanasković P., Milić-Marković Lj., Sajfert D., Stanković M. : Investment decision management: prediction the cost and period of commercial building construction using artificial neural network , TTEM. Tehnics technologies education management, 2011, Vol. 6, No 4, pp. 1301-1313, ISSN 1840-1503

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Đurđević E., Atanasković P., Đorđević D. : Rekonstrukcija i modernizacija Subotičkog železničkog čvora, 3. Novi horizonti saobraćaja i komunikacija, Doboj, 24-25 Novembar, 2011, ISBN 978-99955-36-28-2
2. Jovanović B., Kujačić M., Šarac D. : Postal traffic as generator of sustainable development, 3. Towards a humane city, Novi Sad, 27-28 Oktobar, 2011, ISBN 978-86-7892-349-4
3. Kujačić M., Šarac D., Jovanović B., Bajić I. : Postal entrepreneurial incubator, 1. International scientific conference "Communications and business sector", Berane, Montenegro 2011, Berane: Faculty for Management in Traffic and Communication, Berane, 20 Jun, 2011, pp. 64-79, ISBN 978-99-40-575-07-6
4. Kujačić M., Šarac D., Marković Z. : Poštanska e-sela i prekogranična saradnja, 1. Scientific conference with International participation "AGROBIZ 2011", Novi Pazar, Serbia, Novi Pazar, 10 Oktobar, 2011
5. Kujačić M., Šarac D., Ožegović S. : Postal touristic services as a generator for regional development, 1. Turizam kao faktor regionalnog razvoja, Crna Gora, Plav 2011, Plav: Faculty for Management in Traffic and Communication, Berane, 15-16 Septembar, 2011, pp. 183-191, ISBN 978-99-40-575-08-3
6. Marković Z., Šarac D., Kujačić M. : Efficiency analysis of transport and logistics system in the Post of Serbia, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: FTN Novi Sad, 14-16 Septembar, 2011, pp. 278-285, ISBN 978-86-7892-341-8
7. Marković Z., Tričković I., Peković O., Jovanović B. : PostlB as Logistic Support for the Development of Rural Areas in the Republic of Serbia, 46. ICEST International Scientific Conference on Information, Communication and Energy Systems and Technologies, Niš, 29-1 Jun, 2011, ISBN 978-86-6125-031-6
8. Nikoličić S., Ostojić T., Gajić V., Atanasković P. : The role of simulation in logistic process management in retail supplay chains, 6. International Working Conference "Total Quality Management - Advanced and Intelligent Approaches" - TQM & AIA, Beograd, 6-10 Jun, 2011, ISBN ISBN-978-86-7083-727
9. Šarac D., Kujačić M., Jovanović B. : Planning the Resources for Ensuring Provision of Universal Postal Service, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: FTN Novi Sad, 14-16 Septembar, 2011, ISBN 978-86-7892-341-8

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Marković Lj., Emina Đ., Đorđević D., Atanasković P., Despotović M. : Organizacija prometa prilikom izvoženja radova na izgradnji deniveliranopg križanja pruge Beograd-Šid u Bulevaru Umetnosti u Novom Beogradu, Suvremeni promet, 2011, Vol. 31, No 5, pp. 361-384, ISSN 0351-1898

### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Kujačić M., Šarac D. : Menadžment finansijskih resursa univerzalnog poštanskog servisa, originalni naučni rad, Tehnika 6/2008, Menadžment, str 1-8., Tehnika - Menadžment, 2011, ISSN 1450-9911
2. Kujačić M., Šarac D., Blagojević M. : Upravljanje troškovima u poštanskom saobraćaju primenom ABC (Activity based costing) metode, Tehnika - menadžment 4/2011., Tehnika - Menadžment, 2011, ISSN 1450-9911

### Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Kujačić M., Jovanović B., Jeremić D. : Primena Fuzzy logike u upravljanju resursima poštanske mreže, 29. POSTEL 2011-XXIX Simpozijum o novim tehnologijama u postanskom i telekomunikacionom saobraćaju, Beograd, Srbija, Beograd, 6-7 Decembar, 2011, pp. 87-96, ISBN 978-86 7395-287
2. Peković O. : Poređenje bar-kod i rfid tehnologije sa aspekta prikupljanja relevantnih podataka za reinženjering poštanske mreže, 29. POSTEL 2011-XXIX Simpozijum o novim tehnologijama u postanskom i telekomunikacionom saobraćaju, Beograd, Srbija, Beograd, 6-7 Decembar, 2011
3. Šarac D., Atanasković P., Unterberger M. : Sinergija resursa i javna poštanska mreža, 29. POSTEL 2011-XXIX Simpozijum o novim tehnologijama u postanskom i telekomunikacionom saobraćaju, Beograd, Srbija, Beograd: Saobraćajni fakultet Beograd, 6-7 Decembar, 2011, pp. 135-146, ISBN 978-86 7395-287-1

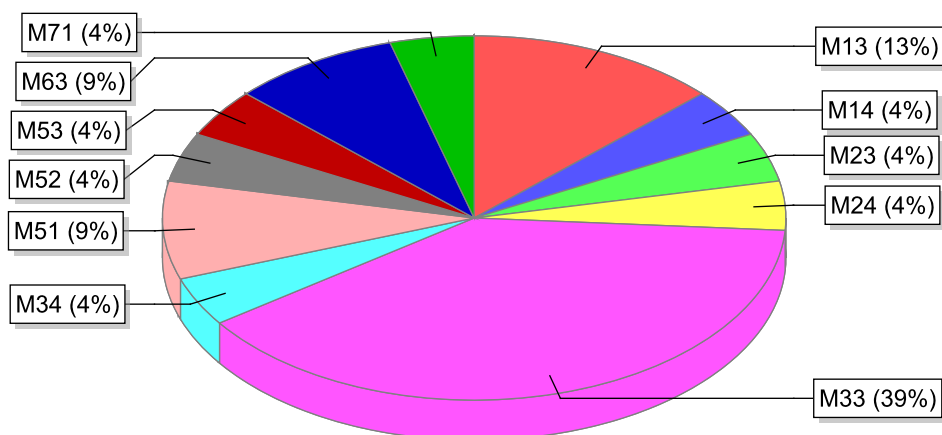
4. Tričković I. : Poređenje bar-kod i rfid tehnologije sa aspekta prikupljanja relevantnih podataka za reinženjering poštanske mreže , 29. POSTEL 2011-XXIX Simpozijum o novim tehnologijama u postanskom i telekomunikacionom saobraćaju, Beograd, Srbija, Beograd: Saobraćajni fakultet Univerziteta u Beogradu, 6-7 Decembar, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za logistiku i intermodalni transport

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	3
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Simić D., Milutinović D., Simić S., Suknjaja V. : Hybrid Patient Classification System in Nursing Logistics Activities , Berlin, Springer-Verlag Berlin Heidelberg, LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, Lecture Notes in Computer Science, 2011, str. 421-428, ISBN 978-3-642-21221-5, UDK: ISSN 0302-9743 DOI 10.1007/978-3-642-21222-2
2. Simić D., Simić S. : A Review: Approach of Fuzzy Models Application in Logistics , Berlin, Springer-Verlag Berlin Heidelberg, ADVANCES IN INTELLIGENT AND SOFT COMPUTING, Computer Recognition Systems 4, 2011, str. 717-726, ISBN 978-3-642-20319-0, UDK: ISSN 1867-5662 DOI 10.1007/978-3-642-20320-6
3. Simić D., Simić S., Tanackov I. : An Approach of Soft Computing Applications in Clinical Neurology , Berlin, Springer-Verlag Berlin Heidelberg, LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, Lecture Notes in Computer Science , 2011, str. 429-436, ISBN 978-3-642-21221-5 , UDK: ISSN 0302-9743 DOI 10.1007/978-3-642-21222-2

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Maslarić M., Groznik A. : TOWARDS IMPROVING SUPPLY CHAIN COORDINATION THROUGH BUSINESS PROCESS REENGINEERING, Chapter 10 in the book: SUPPLY CHAIN MANAGEMENT, Wien, IN TECH, 2011, ISBN 978-953-307-184-8

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Simić D., Kovačević I., Simić S. : Insolvency prediction for assessing corporate financial health DOI 10.1093/jigpal/jzr009, LOG J IGPL, 2011, ISSN 1367-0751

Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Stojanović Đ., Nikoličić S., Miličić M. : Transport Fleet Sizing by Using Make and Buy Decision-Making, Economic annals, 2011, pp. 77-102, ISSN 0013-3264, UDK: 3.33

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bačkalić T., Maslarić M. : Climate Change and the Risk Management in Serbian Inland Waterway Transport, 1. CCEDEP- 1st Climate Change, Economic Development, Environmental and People Conference/International Scientific Conference, Novi Sad: Educons University, 14-16 Septembar, 2011, ISBN 978-86-87785-32-8
2. Bačkalić T., Maslarić M. : River depth as a crucial part of the risk management in inland water transport, 14. ICTS 2011-14th International Conference on Transport Science, Fakulteta za pomorstvo in promet Univerze v Ljubljani, Portoroz, Slovenia, Portorož: Fakulteta za pomorstvo in promet Univerze v Ljubljani, 27 Maj, 2011, ISBN 978-961-6044-92-9
3. Maslarić M., Nikoličić S. : A research roadmap towards sustainable freight transport development, 3. Towards a humane city, Novi Sad: Fakultet tehničkih nauka Univerziteta u Novom Sadu, 27-28 Oktobar, 2011, pp. 337-341, ISBN 978-86-7892-349-4
4. Nikoličić S., Ostojić T., Gajić V., Atanasković P. : The role of simulation in logistic process management in retail supply chains, 6. International Working Conference "Total Quality Management - Advanced and Intelligent Approaches" - TQM & AIA, Beograd, 6-10 Jun, 2011, ISBN ISBN-978-86-7083-727
5. Simić D. : A Role of E-Commerce Pick-up Point in Sustainable Human Town , 3. Towards a humane city, Novi Sad: FACULTY OF TECHNICAL SCIENCES, UNIVERSITY OF NOVI SAD, 27-28 Oktobar, 2011, pp. 269-274, ISBN 978-86-7892-349-4
6. Simić D., Simić S. : Artificial Immune System in Risk of Falling Classification , 3. World Congress on Nature and Biologically Inspired Computing, Salamanca: IEEE Catalog Number: CFP 1195H-CDR, 19-21 Oktobar, 2011, pp. 634-639, ISBN 978-1-4577-1123-7
7. Simić D., Simić S. : European Academic Mobility: A Case of Serbia, 1. International Conference on European Transnational Education, Salamanca: IEEE Catalog Number: CFP 11388-CDR, 20-21 Oktobar, 2011, pp. 78-83, ISBN 978-1-4577-1126-8
8. Stojanović Đ., Basarić V., Gajić V. : The impact of freight transport on urban noise, 3. Towards a humane city, Novi Sad: FTN, 27-28 Oktobar, 2011, ISBN 978-86-7892-349-4
9. Tanackov I., Tepić J., Stojić G., Sremac S., Simić D. : Balance of the CO2 emission on the Corridor X through Serbia and proposals for remediation of the part of the emission applying transportation-logistics systems, 24. International Conference of Efficiency, Cost, Optimization, Simulation and Environmental



Impact of Energy Systems, Novi Sad, 4-7 Jul, 2011, pp. 2268-2276, ISBN 978-86-6055-016-5

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Simić S., Simić D., Cvijanović M., Kopitović A. : The Analysis of the Impact of Individual Headache Types on Work Activities in Headaches Sufferers, 15. Congress of the International Headache Society IHC, Berlin: International Headache Society , 23-26 Jun, 2011

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Nikoličić S., Gajić V., Stojanović Đ., Maslarić M. : Evaluation of RFID technology effect on logistics performances in supply chains, Suvremeni promet, 2011, Vol. 31, No 1-2, pp. 111-115, ISSN 0351-1898, UDK: 656
2. Simić D. : Nursing Logistics Activities in Massive Services , Journal of Medical Informatics & Technologies, 2011, Vol. 18, pp. 77-83, ISSN 1642-6037

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Simić D., Simić S., Svirčević V. : Invoicing and Financial Forecasting of Time and Amount of Corresponding Cash Inflow , The International Scientific Journal of Management Information System, 2011, Vol. 6, No 3, pp. 14-21, ISSN 1452-774X, UDK: 005:659.2

Spisak rezultata M53 - Rad u naučnom časopisu

1. Veličković M., Stojanović Đ., Basarić V. : An approach to city logistics terminal location problem in Novi Sad, Scientific Bulletin of the "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2011, ISSN 1224-6077

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Banjanin M. : Znanje kao glavna kategorija kompleksnih poslova, 1. Trend, Kopaonik: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, , pp. 185-188, ISBN 978-86-7892-323-4, UDK: COBISS.SR-ID 261721351
2. Mircetic D., Stojanović Đ., Maslarić M. : Modelovanje logističkih procesa u drumsko-zeleznickom kontenerskom terminalu primenom iGrafx programa, 2. SRBISIM 2011-Druga konferencija o modelovanju i simulaciji/The Second Conference on MOdeling and Simulation, Beograd, Srbija, Beograd: SRBISIM Beograd, Srbija, 28-29 Septembar, 2011, pp. 136-142, ISBN 978-86-911011-6-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

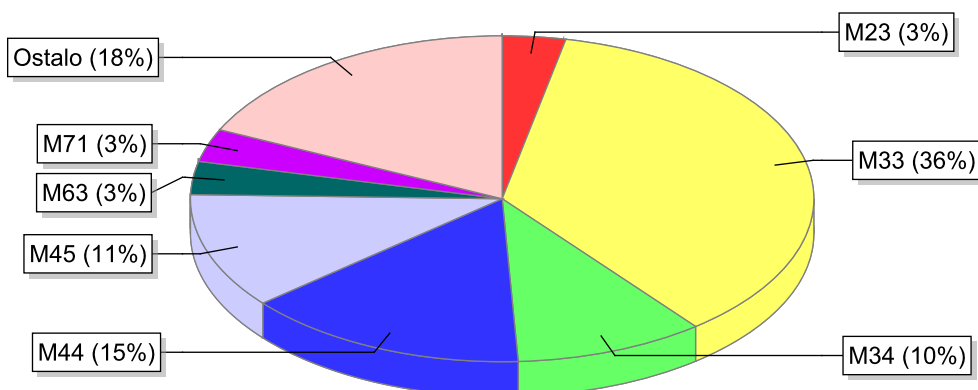
1. Nikoličić S. : Prilog poboljšanju postojećih metoda i modela za utvrđivanje performansi maloprodajnog logističkog sistema, Novi Sad, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografija međunarodnog značaja	M12	1
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja	M18	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	22
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	9
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	7
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske	M49	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Odbranjena doktorska disertacija	M71	2
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1
Kritička evaluacija podataka, baza podataka,	M86	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou	M91	1
Autorska izložba sa katalogom uz naučnu recenziju	M93	1

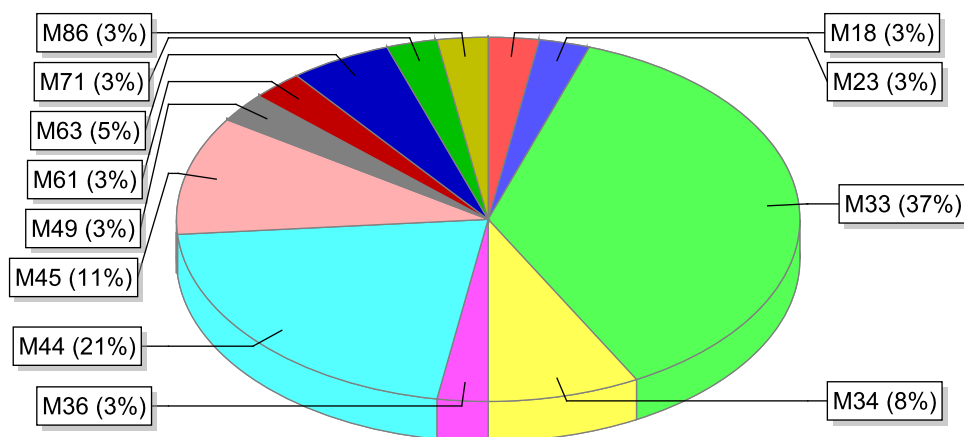


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja	M18	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	14
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	8
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	4
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske	M49	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Odbranjena doktorska disertacija	M71	1
Kritička evaluacija podataka, baza podataka,	M86	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M18 - Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja

1. Dinulović R., Reba D., Atanacković-Jeličić J., Kostreš M. : Now/Sada: Teaching by Design/Italy Now, Novi Sad, MSUV, FTN, 2011, ISBN 978-86-7892-365-4

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kopic M., Kurtović-Folić N. : Principles of the Design of Urban Space that Support Rail Systems from the Aspect of Urban Elements and Elements of Relief, Geodetski vestnik, 2011, Vol. 55, No 4, pp. 726-749, ISSN 0351-0271, UDK: 528-863

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Carević M., Bugarski J., Đerić J. : The Possibilities of Spatial Evolution of the University of Novi Sad, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 21-23 Septembar, 2011, pp. 31-38, ISBN 978-86-7892-336-4
2. Dinulović R., Konstantinović D., Zeković M., Reba D. : Projekat pod nazivom „Zgrada Naučno-tehnološkog parka Fakulteta tehničkih nauka Univerziteta u Novom Sadu, Izložba: Now/Sada: Teaching by Design/Italy Now, MSUV Novi Sad, 1. Izložba: Now/Sada: Teaching by Design/Italy Now, MSUV Novi Sad, novi sad: MSUV, Fakultet tehničkih nauka, 8-26 Decembar, 2011, pp. 15-18, ISBN 978-86-7892-365
3. Dinulović R., Savičić Z., Hupko I., Zeković M., Konstantinović D. : Projekat rekonstrukcije, adaptacije i dogradnje zgrade Narodno pozorište-Narodno kazalište-Nepszin haz (idejni i glavni projekat enterijera), 1. Izložba: Now/Sada: Teaching by Design/Italy Now, MSUV Novi Sad, novi sad: MSUV, Fakultet tehničkih nauka, 8-26 Decembar, 2011, pp. 19-20, ISBN 978-86-7892-365
4. Konstantinović D. : Programmatic Basis of Contemporary Architecture, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Fakultet Tehničkih Nauka, 21-23 Septembar, 2011, pp. 121-126, ISBN 978-86-7892-336-4
5. Kostreš M., Atanacković-Jeličić J. : Sociopolitical Changes and City Growth – a Case Study of Novi Sad, Serbia, 1. REAL CORP 2011 Conference – Change for Stability: Lifecycles of Cities and Regions, Essen: Competence Center of Urban and Regional Planning, 18-20 Maj, 2011, pp. 1383-1387, ISBN 978-3-9503110-0-6
6. Krklješ M. : Typology of Kindergarten Yards in Accordance with Urban Disposition across Vojvodina, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty of Technical Sciences, 21-23 Septembar, 2011, pp. 135-140, ISBN 978-6-7892-336-4
7. Kurtović-Folić N. : Conservation through Conversion, 11. International Scientific Conference VSU 2010, Sofia, 3-4 Jun, 2011, pp. 233-238, ISBN 1314-071X
8. Kurtović-Folić N., Jadrešin Milić R. : Importance of Urban Heritage Potential in the Creation of Belgrade as a Historical metropolis, 4. Conference on Hazards and Modern Heritage „The Importance of Place“, Sarajevo: CICOP, 13-16 Jun, 2011, pp. 680-691, ISBN 2232-965X
9. Kurtović-Folić N., Jadrešin Milić R. : Late Antique Centrally Planned Buildings and their Influence on Renaissance Architecture, 10. Niš i Vizantija, Niš, 3-5 Jun, 2011, pp. 267-282, ISBN 978-86-6101-031-6
10. Kurtović-Folić N., Jadrešin-Milić R. : Research in urban morphology as a source of good restoration project-case study of historical housing in Belgrade, 1. International Congress of Rete Vitruvio "Architectural Design between Teaching and Research", Naples: Politecnico di Bari, Facolta di Architettura, 2-6 Maj, 2011, pp. 1753-1763, ISBN 978-88-95612-78-2
11. Nedučin D., Krklješ M., Kubet V. : Transformation of Residential Districts from Single to Multifamily Housing in Societies in Transition – A Case Study of Detelinara, Novi Sad, Serbia, 1. International Academic and Professional Conference "Architecture and Urban Planning, Civil Engineering, Geodesy - Past, Present, Future", Banja Luka: Faculty of Architecture and Civil Engineering, Banja Luka, 15 Decembar, 2011, pp. 365-374, ISBN 978-99955-667-7-7
12. Nedučin D., Kubet V., Krklješ M. : Who is Afraid of the Building? Examining Various Functions of the Headquarters of the Petroleum Industry of Serbia, 5. ARCHITECTURE, CIVILENGINEERING - MODERNITY, Varna: Faculty of Architecture at Varna Free University "Chernorizets hrabar", 8-10 Jun, 2011, pp. 233-240, ISBN 1314-3816
13. Silađi M., Tufegdžić A. : Possibility of vicinal railway Zrenjanin-Jimbolia rehabilitation in the context of cultural tourism, 4. Conference on Hazards and Modern Heritage „The Importance of Place“, Sarajevo:

CICOPBH, 13-16 Jun, 2011, pp. 616-626, ISBN 2232-965X

14. Tufegdžić A. : Legal obstacles for reusing industrial heritage in Vojvodina , 6. International Biennial 'Vestiges of Industry' 2011: Industrial Heritage – on the Edge, Prag: Czech Technical University in Prague, 14-15 Oktobar, 2011, pp. 237-245, ISBN 978-80-01-04947

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Hiel K., Krklješ M., Kubet V. : Public Spaces in Front of Theatre Buildings in Cities of Vojvodina, 4. Spectacle – City - Identity, Užice: Faculty of Technical Sciences, 7-9 Novembar, 2011, ISBN 978-86-7892-354-8
2. Konstantinović D. : Ageing of the Modern Theater Architecture, 1. Theatre Space after 20th century, Užice: FTN, 7-9 Novembar, 2011, ISBN 978-86-7892-354-8
3. Nedučin D., Stojaković V., Štulić R. : On Reform of Structure and Content of the Course of Descriptive Geometry, 1. MATHEMATICS IN ARCHITECTURE AND CIVIL ENGINEERING DESIGN AND EDUCATION, Pecs: Pollack Mihaly Faculty of Engineering, University of Pecs, 26-28 Maj, 2011, ISBN 978-963-7298-42-4

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Dinulović R., Krklješ M. : Book of Proceeding for the 4th International Conference in the cycle "Spectacle – City - Identity" Theatre Space after 20th Century, 4. Spectacle – City - Identity, Užice: Faculty of Technical Sciences, 7-9 Novembar, 2011, ISBN 978-86-7892-354-8

Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

1. Kostreš M. : Urbani konteksti arhitektonskih objekata za scenske događaje u Republici Srbiji, u Dinulović, R., Konstantinović, D., Zeković, M., ur., Arhitektura scenskih objekata u Republici Srbiji, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2011, str. 137-151, ISBN 978-86-7892-255-8
2. Kostreš M., Maraš I., Atanacković-Jeličić J. : Prilog metodologiji projektovanja javnih prostora urbane periferije, u Kurtović-Folić, N., ur., Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2011, str. 55-69, ISBN 978-86-7892-254-1
3. Krklješ M. : Deca i javni prostori grada, u: Kurtović-Folić N., ur.: Zbornik radova: Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, Novi Sad, Fakultet tehničkih nauka, 2011, str. 105-122, ISBN 978-86-7892-254-1
4. Kurtović-Folić N. : Istorijski javni prostori i njihova sudbina u strategiji održivog razvoja gradova, u Tematski zbornik "Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju", Novi Sad, Fakultet tehničkih nauka, 2011, str. 3-33, ISBN 978-86-7892-254-1
5. Reba D., Bandić A. : Morfološke karakteristike arhitektonskih objekata za scenske događaje u Republici Srbiji, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, 2011, str. 231-268, ISBN 987-86-7892-255-8
6. Reba D., Kostreš M. : Analiza potencijala otvorenih prostora centralnih područja vojvođanskih gradova kao mesta socijalizacije, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, 2011, str. 33-53, ISBN 978-86-7892-254-1
7. Tufegdžić A. : Reaktivacija industrijskog nasleđa kao metoda urbane rehabilitacije obala, u Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, Novi Sad, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, 2011, str. 219-242, ISBN 978-86-7892-254-1
8. Vukajlov Lj., Dorić M. : Uticaj urbanog bloka na kvalitet javnog prostora: Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, u: Kurtović-Folić, N., Novi Sad, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, 2011, str. 193-218, ISBN 978-86-7892-254-1

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Carević M., Bugarski J., Đerić J. : Predlog strategije za unapređenje univerzitetskog kampusa u Novom Sadu, u Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju (ed. N. Kurtović-Folić) , Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, Novi Sad, 2011, str. 147-191, ISBN 978-86-7892-254-1
2. Dinulović R., Konstantinović D., Konstantinović D., Zeković M. : Javni gradski prostor kao pozornica političke drame Naziv tematskog zbornika: Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, u: Kurtović-Folić, N., Novi Sad, FTN, 2011, str. 89-104, ISBN 978-86-7892-254-1

3. Konstantinović D., Zeković M. : Nove funkcije pozorišne kuće Naziv tematskog zbornika: Arhitektura scenskih objekata u Republici Srbiji, u: Dinulović R., Konstantinović D., Zeković M., Novi Sad, FTN, 2011, str. 121-136, ISBN 978-86-7892-255-8
4. Nedučin D., Kubet V., Carić O. : Promena društveno-prostornog identiteta urbanog tkiva procesom džentrifikacije - studija slučaja, objavljeno u tematskom zborniku Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2011, str. 123-144, ISBN 978-86-7892-254-1

Spisak rezultata M49 - Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske

1. Dinulović R., Konstantinović D., Zeković M. : Arhitektura scenskih objekata u Republici Srbiji, Novi Sad, Grid, Fakultet tehničkih nauka, 2011, ISBN 978-86-7892-255-8

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Kurtović-Folić N. : Nasleđe u dijalogu sa samim sobom, 2. Nasleđe i dijalog, Beograd: Zavodu za zaštitu spomenika kulture grada Beograda, 9 Decembar, 2011, ISBN 978-86-81157-64-0

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Kurtović-Folić N. : Standardi za obnovu graditeljskog nasleđa ugroženog prirodnim nepogodama, 7. Naučno-stručni skup: Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor: Savez građevinskih inženjera i Inženjerska komora Srbije, 9-11 Maj, 2011, pp. 551-558, ISBN 978-86-904089-9-3
2. Kurtović-Folić N. : Strategija održivog znanja: budućnost arhitekture, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Univerzitet u Novom Sadu i Fakultet Tehničkih nauka, 7-10 Mart, 2011, pp. 133-136, ISBN 978-86-7892-323-4

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Krklješ M. : Programski, funkcionalni i prostorni činioci arhitekture predškolskih ustanova u Vojvodini, Novi Sad, Fakultet tehničkih nauka, 2011

Spisak rezultata M86 - Kritička evaluacija podataka, baza podataka,

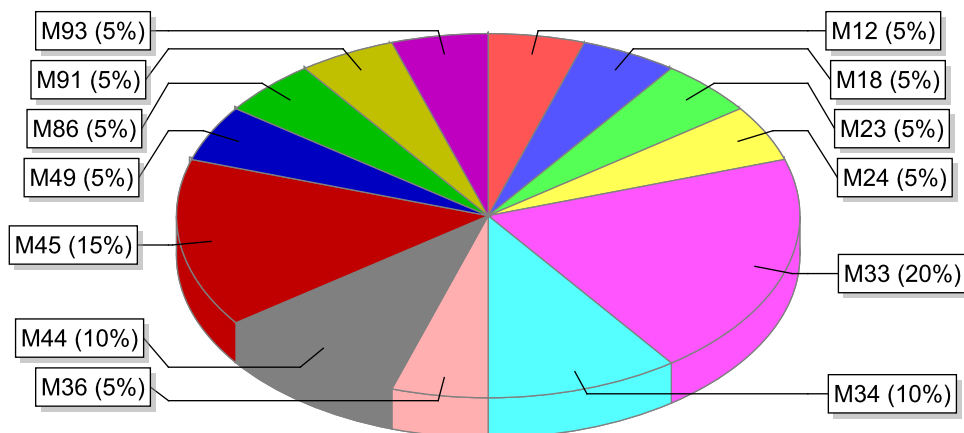
1. Dinulović R., Zeković M., Konstantinović D. : Tehničko-tehnološko stanje i potencijali objekata za scenske događaje u Srbiji, originalna baza podataka, realizovana u sklopu projekta tehnološkog razvoja MNT RS i međunarodnog projekta Oistata Theatre Atlas, 2011

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za umetnost primenjenu u arhitekturi, tehnici i dizajnu

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografija međunarodnog značaja	M12	1
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja	M18	1
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	2
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	3
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske	M49	1
Kritička evaluacija podataka, baza podataka,	M86	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou	M91	1
Autorska izložba sa katalogom uz naučnu recenziju	M93	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M12 - Monografija međunarodnog značaja

1. Dinulović R. : Digital theatre words, Elektronska publikacija, član autorskog tima, autor 212 odrednica za oblast Building&Architecture, urednik za srpski jezik, Taipei, Oistat, 2011

### Spisak rezultata M18 - Uređivanje naučne monografije,tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja

1. Dinulović R., Reba D., Atanacković-Jeličić J., Kostreš M. : Now/Sada:Teaching by Design/Italy Now, Novi Sad, MSUV, FTN, 2011, ISBN 978-86-7892-365-4

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Dinulović R., David M., Kolundžija D., Tvrdišić M. : The empty space, u Lucie Čepsova i drugi: PQ 011- At the Still point of the Turning World- no Inside or Outside,

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Dinulović R., Dadić-Dinulović T., Ristovski Lj. : Bau-Platz-Theater in Subotica/Serbien, Bühnentechnischerundschau, 2011, No 3, pp. 40-43, ISSN 0007-3091

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Dinulović R., Konstantinović D., Zeković M., Reba D. : Projekat pod nazivom „Zgrada Naučno-tehnološkog parka Fakulteta tehničkih nauka Univerziteta u Novom Sadu, Izložba: Now/Sada: Teaching by Design/Italy Now, MSUV Novi Sad, 1. Izložba: Now/Sada: Teaching by Design/Italy Now, MSUV Novi Sad, novi sad: MSUV, Fakultet tehničkih nauka, 8-26 Decembar, 2011, pp. 15-18, ISBN 978-86-7892-365
2. Dinulović R., Savičić Z., Hupko I., Zeković M., Konstantinović D. : Projekat rekonstrukcije, adaptacije i dogradnje zgrade Narodno pozorište-Narodno kazalište-Nepszin haz (idejni i glavni projekat enterijera), 1. Izložba: Now/Sada: Teaching by Design/Italy Now, MSUV Novi Sad, novi sad: MSUV, Fakultet tehničkih nauka, 8-26 Decembar, 2011, pp. 19-20, ISBN 978-86-7892-365
3. Dinulović R., Savičić Z., Zeković M., Žugić V. : Fasade zgrade Narodnog pozorišta u Subotici, 1. Izložba: Now/Sada: Teaching by Design/Italy Now, MSUV Novi Sad, novi sad: MSUV, Fakultet tehničkih nauka, 8-26 Decembar, 2011, pp. 21-24, ISBN 978-86-7892-365
4. Dorić M. : Substitution Principle in Architectural Design, 3. International Symposium for Students of doctoral studies in the fields of Civil Engineering Architecture and Environmental Protection, Novi Sad: Faculty og Technical Scinces, 21-23 Septembar, 2011, ISBN 978-86-7892-336-4

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Dinulović R. : Performability of Theatre Space after 20th Century, 1. Theatre Space after 20th century, Užice: FTN, 7-9 Novembar, 2011, pp. 1-2, ISBN 978-86-7892-354-8
2. Zeković M. : Architecture as liminal space of theatre, 1. Theatre Space after 20th century, Užice: FTN, 7-9 Novembar, 2011, ISBN 978-86-7892-354-8

### Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Dinulović R., Krklješ M. : Book of Proceeding for the 4th International Conference in the cycle "Spectacle – City - Identity" Theatre Space after 20th Century, 4. Spectacle – City - Identity, Užice: Faculty of Technical Sciences, 7-9 Novembar, 2011, ISBN 978-86-7892-354-8

### Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

1. Vukajlov Lj., Dorić M. : Uticaj urbanog bloka na kvalitet javnog prostora: Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i urbanističkom planiranju i projektovanju, u: Kurtović-Folić, N., Novi Sad, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, 2011, str. 193-218, ISBN 978-86-7892-254-1
2. Zeković M., Kopic M., Gegenbauer M. : Analiza funkcija Srpskog narodnog pozorišta-stanje i potencijali prvog nacionalnog pozorišta Monografska publikacija: Arhitektura scenskih objekata u Republici Srbiji, Novi Sad, Fakultet tehničkih nauka, GRID , 2011, str. 301-318, ISBN 978-86-7892-255-8

### Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Dinulović R. : Tehničko-tehnološko stanje i potencijali pozorišnih zgrada u Srbiji, u R. Dinulović, D. Konstantinović, M. Zeković Arhitektura scenskih objekata u Republici Srbiji, Novi Sad, FTN, 2011, str. 7-27, ISBN 978-86-7892-255-8
2. Dinulović R., Konstantinović D., Zeković M. : Javni gradski prostor kao pozornica političke drame Naziv tematskog zbornika: Unapređenje strategije obnove i korišćenja javnih prostora u prostornom i



urbanističkom planiranju i projektovanju, u: Kurtović-Folić, N., Novi Sad, FTN, 2011, str. 89-104, ISBN 978-86-7892-254-1

3. Konstantinović D., Zeković M. : Nove funkcije pozorišne kuće Naziv tematskog zbornika: Arhitektura scenskih objekata u Republici Srbiji, u: Dinulović R., Konstantinović D., Zeković M., Novi Sad, FTN, 2011, str. 121-136, ISBN 978-86-7892-255-8

Spisak rezultata M49 - Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske

1. Dinulović R., Konstantinović D., Zeković M. : Arhitektura scenskih objekata u Republici Srbiji, Novi Sad, Grid, Fakultet tehničkih nauka, 2011, ISBN 978-86-7892-255-8

Spisak rezultata M86 - Kritička evaluacija podataka, baza podataka,

1. Dinulović R., Zeković M., Konstantinović D. : Tehničko-tehnološko stanje i potencijali objekata za scenske događaje u Srbiji, originalna baza podataka, realizovana u sklopu projekta tehnološkog razvoja MNT RS i međunarodnog projekta Oistata Theatre Atlas, 2011

Spisak rezultata M91 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou

1. Dinulović R. : Idejno rešenje i idejni projekat rekonstrukcije Narodnog pozorišta u Subotici, 2011

Spisak rezultata M93 - Autorska izložba sa katalogom uz naučnu recenziju

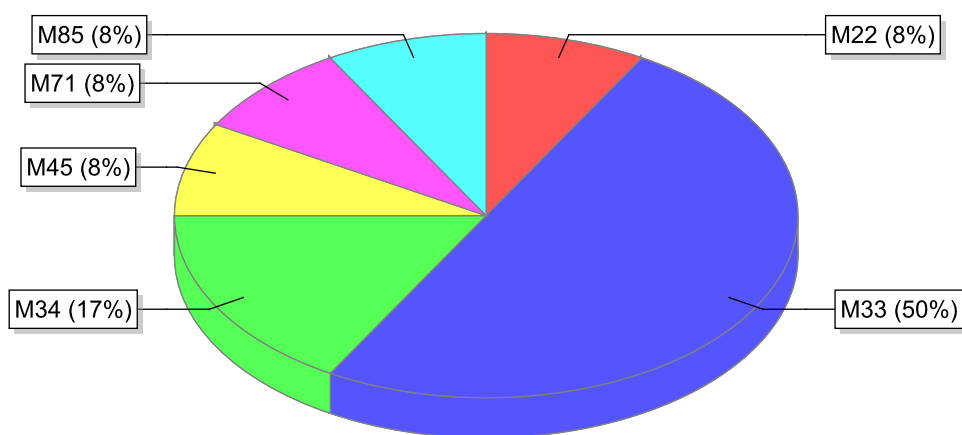
1. Dinulović R. : Radna biografija: scenski prostori Radivoja Dinulovića, Novi Sad, Fakultet tehničkih nauka Univerziteta u Novom Sadu, Departman za arhitekturu i urbanizaciju i Izdavačko preduzeće Clio, 2011

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorije i interpretacije prostora u arhitekturi i urbanizmu

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Odbranjena doktorska disertacija	M71	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Stojaković V., Tepavčević B. : Image-based modeling approach in creating 3D morphogenetic reconstruction of Liberty Square in Novi Sad, *Journal of Cultural Heritage* (IDSN 1296-2074), 2011, Vol. 12, pp. 105-110, ISSN 1296-2074

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Marcijuš I., Stojaković V., Štulić R. : LINEAR GEOMETRIC PERSPECTIVE IN ARCHITECTURAL CURRICULA AND SPATIAL SKILLS DEVELOPMENT, 1. MATHEMATICS IN ARCHITECTURE AND CIVIL ENGINEERING DESIGN AND EDUCATION, Pecs, 26-28 Maj, 2011, pp. 1-11, ISBN 978-963-7298-44-8
2. Stojaković V. : Importance of Restitution in Cultural Heritage Research and Visualisation, 1. S.A.V.E. Heritage - Safeguard of Architectural, Visual, Environmental Heritage, Kapri, 20-23 Jun, 2011, pp. 1-7, ISBN 978-88-6542-046-1
3. Stojaković V., Tepavčević B. : Single Image Ambiguity and Adjustment of Cultural Heritage Modeling Approach, 1. Education and Research in Computer Aided Architectural Design in Europe - eCAADe, Ljubljana, 21-24 Septembar, 2011, pp. 99-106, ISBN 978-9-4972070-1-3
4. Šijakov M., Tepavčević B., Štulić R. : GEOMETRY AND VISUALISATIONS OF FREE)FORMS IN ARCHITECTURAL EDUCATION, 1. MATHEMATICS IN ARCHITECTURE AND CIVIL ENGINEERING DESIGN AND EDUCATION, Pecs, 26-28 Maj, 2011, ISBN 978-963-7298-44-8
5. Tepavčević B., Šijakov M., Šiđanin P. : GIS Technologies in Urban Planning and Education, 1. MATHEMATICS IN ARCHITECTURE AND CIVIL ENGINEERING DESIGN AND EDUCATION, Pecs, 26-28 Maj, 2011, ISBN 978-963-7298-44-8
6. Tepavčević B., Šijakov M., Štulić R. : Animation Tools in Architectural Design and Education, 1. MATHEMATICS IN ARCHITECTURE AND CIVIL ENGINEERING DESIGN AND EDUCATION, Pecs, 26-28 Maj, 2011, ISBN 978-963-7298-44-8

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Marcijuš I., Stojaković V., Štulić R. : On the Use of Digital Tools in Perspective Images Generation, 15. Scientific-Professional Colloquium on Geometry and Graphics, Tuheljske Toplice: Croatian Society for Geometry and Graphics, 4-8 Septembar, 2011, pp. 1-1
2. Nedučin D., Stojaković V., Štulić R. : On Reform of Structure and Content of the Course of Descriptive Geometry, 1. MATHEMATICS IN ARCHITECTURE AND CIVIL ENGINEERING DESIGN AND EDUCATION, Pecs: Pollack Mihaly Faculty of Engineering, University of Pecs, 26-28 Maj, 2011, ISBN 978-963-7298-42-4

### Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Stojaković V., Tepavčević B. : GENERATION AND APPLICATION OF DYNAMIC VIRTUAL RECONSTRUCTIONS OF URBAN PUBLIC SPACES, UNAPREĐENJE STRATEGIJE OBNOVE I KORIŠĆENJA JAVNIH PROSTORA U PROSTORNOM I URBANISTIČKOM PLANIRANJU I PROJEKTOVANJU, Novi Sad, Faculty of Technical Sciences, 2011, str. 69-86, ISBN 978-86-7892-254-1

### Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Stojaković V. : Generisanje prostora na osnovu perspektivnih slika i primena u oblasti graditeljskog nasleđa, Novi Sad, Fakultet tehničkih nauka, 2011

### Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

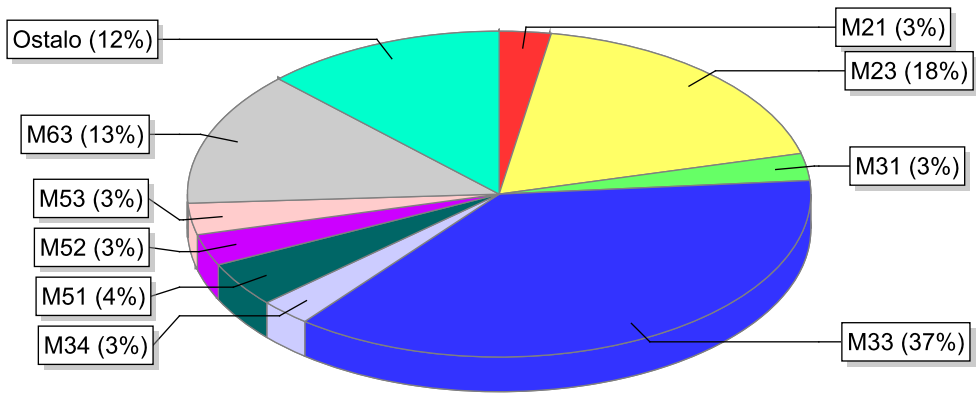
1. Obradović R., Popkonstantinović B., Štulić R., Kekeljević I. : sajt moNGeometrija za Srpsko udruženje za geometriju i grafiku (SUGIG) <http://www.mongeometrija.com/>, 2011

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za industrijsko inženjerstvo i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	2
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u vrhunskom međunarodnom časopisu	M21	6
Rad u međunarodnom časopisu	M23	41
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	6
Saopštenje sa međunarodnog skupa štampano u celini	M33	83
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6
Autorizovana diskusija sa međunarodnog skupa	M35	1
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	2
Istaknuta monografija nacionalnog značaja	M41	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Monografska bibliografska publikacija	M43	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	2
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u vodećem časopisu nacionalnog značaja	M51	10
Rad u časopisu nacionalnog značaja	M52	7
Rad u naučnom časopisu	M53	7
Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M55	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	30
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Odbranjena doktorska disertacija	M71	2
Odbranjjen magistarski rad	M72	1
Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak	M83	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	4
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2

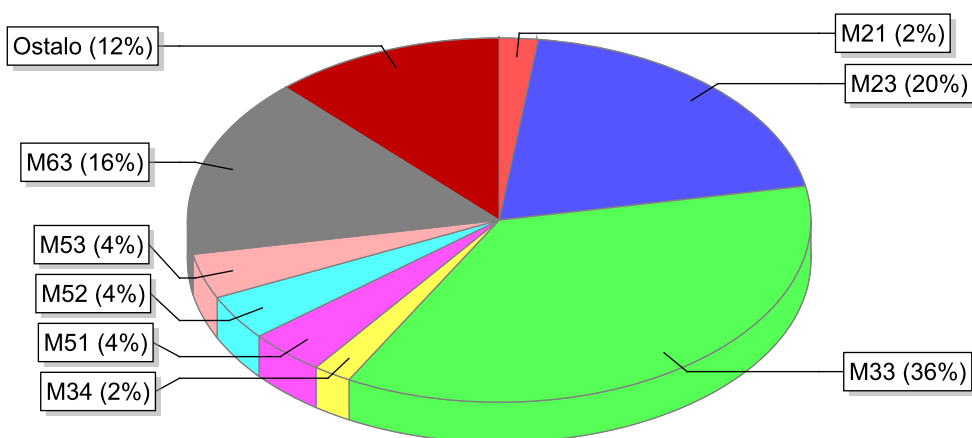


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za proizvodne sisteme, organizaciju i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	2
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	30
Saopštenje sa međunarodnog skupa štampano u celini	M33	54
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Autorizovana diskusija sa međunarodnog skupa	M35	1
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Istaknuta monografija nacionalnog značaja	M41	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	2
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u vodećem časopisu nacionalnog značaja	M51	6
Rad u časopisu nacionalnog značaja	M52	6
Rad u naučnom časopisu	M53	6
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	24
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Obranjena doktorska disertacija	M71	2
Obranjen magistarski rad	M72	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Čabrilović S., Grubić-Nešić L. : The role of creativity, innovation and invention in knowledge management“, in Buckley, S. and Jakovljević, M (ed.) Knowledge Management Innovations for Interdisciplinary Education: Organisational Applications, Hershey, USA: IGI Global, IGI Global, 2011
2. Lalić B., Marjanović U. : Organizational Readiness/Preparedness. In: M.M. Cruz-Cunha and J. Varajao, ed. E-business issues, challenges and opportunities for SMEs: driving competitiveness., New York, Business Science Reference (IGI Global), 2011, str. 101-116, ISBN 978-1-61692-880-3

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Lalić D., Marjanović U., Lalić B. : The influence of social networks on communication satisfaction within the organizations in Business Social Networking: Organizational, Managerial, and Technological Dimensions, A book edited by: Maria Manuela Cruz-Cunha, Goran D. Putnik, Patrícia Gonçalves, Nuno Lopes & Eva Maria Miranda, accepted and to be published in 2011., 2011
2. Pečujlija M. : Moral Thinking vs. Moral Acting. In Psychology of Morality [https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=25229](https://www.novapublishers.com/catalog/product_info.php?products_id=25229), NOVA Publisher, 2011,

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Lalić D., Popovski K., Gecevska V., Popovska Vasilevska S., Tešić Z. : Analysis of the opportunities and challenges for renewable energy market in the Western Balkan countries, Renewable and Sustainable Energy Reviews, 2011, Vol. 15, No Issue 6, pp. 3187-3195, ISSN 1364-0321, UDK: doi: 10.1016/j.rser.2011.04.11, Elsevier
2. Pečujlija M., Ćosić I., Ivanišević V. : A professor's moral thinking at the abstract level vs the professor's moral thinking in real life situation (consistency problem), Science and Engineering Ethics, 2011, Vol. 17, No 2, pp. 299-320, ISSN 1353-3452
3. Pečujlija M., Ćulibrk D. : Why we believe the computer when it lies , Computers in Human Behavior, 2011, Vol. 28, No 1, pp. 143-152, ISSN ISSN: 0747-5632

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Avdalović V. : Serbian Insurance Market - Select Issues, Ekonomski anali, Ekonomski fakultet Beograd, 2011, Vol. 55, No 187, pp. 109-125, ISSN 0013-3264, UDK: 3.33
2. Bojović Ž., Šećerov E., Dobromirov D., Šenk V. : Maximizing the Profit of Telecom Telcos by a Novel Traffic Scheduling Policy , Electronics and electrical engineering, 2011, Vol. 7, No 113, pp. 67-73, ISSN 1392-1215
3. Bojović ž., Šenk V., Dobromirov D., Bojović P. : Intervendor working of VOIP networks , Journal of the Institute of Telecommunications Professionals, 2011, Vol. 5, No 3, pp. 26-32, ISSN 1755-9278
4. Borocki J., Ćosić I., Lalić B., Maksimović R. : Analysis of Company Development Factors in Manufacturing and Service Company: a Strategic Approach, Strojnicki vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 1, pp. 55-68, ISSN 0039-2480, UDK: DOI:10.5545/sv-jme.2010.030
5. Ćosić Đ., Popov S., Sakulski D., Pavlović A. : Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
6. Dobromirov D., Radišić M., Kupusinac A. : Emerging markets arbitrages' perception: Risk versus growth potential, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 713-721, ISSN 1993-8233
7. Đaković V., Anđelić G., Borocki J. : Performance of extreme value theory in emerging markets: An empirical treatment, African Journal of Business Management, 2011, Vol. 5, No 2, pp. 340-369, ISSN 1993-8233
8. Hristić D., Grubić-Nešić L., Duđak Lj. : The Differences in Approaching Management by Managers of Different Gender -an Example from Serbia, African Journal of Business Management, 2011, Vol. 5, No 26, ISSN 1993-8233
9. Jošanov-Vrgović I., Savić N., Jošanov B., Vrgović P. : Development plans and the state of e-tourism: Case study in Novi Sad, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2545-2550, ISSN 1993-8233
10. Katić (Drezgić) I., Borocki J., Zekić S., Penezić N. : Entrepreneurship significance in restructuring process, TTEM. Tehnics technologies education management, 2011, Vol. 6, No 4, pp. 902-907, ISSN 1840-1503
11. Kolarić B., Grubić-Nešić L., Radojčić S. : The challenges of the customer services for modern market requests: a case study of Telecom Serbia, , African Journal of Business Management, 2011, Vol. 5, No 1,

pp. 156-167, ISSN 1993-8233, UDK: 1993-8233

12. Lazarević M., Ostojčić G., Čosić I., Stankovski S., Vukelić Đ., Zečević I. : Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, *Scientific Research and Essays*, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248
13. Marić B., Demko-Rihter J., Mitrović V., Rovčanin M. : Functional correlations between the efficiency indicators of investments, *African Journal of Business Management*, 2011, Vol. 5, No 7, pp. 2979-2984, ISSN 1993-8233
14. Marić B., Dobromirov D., Radišić M. : Researching the dependence between the dynamic indicators of investment profitability, *African Journal of Business Management*, 2011, Vol. 5, No 13, pp. 5076-5082, ISSN 1993-8233
15. Marić B., Ivanišević A., Mitrović S., Sreto A., Mihailo R. : Analysis of internal rate of return on investments: Dynamic and static approach, *African Journal of Business Management*, 2011, Vol. 5, No 8, pp. 3269-3273, ISSN 1993-8233
16. Marić B., Kamberović B., Radlovački V., Delić M., Zubanov V. : Observing the dependence between dynamic indicators of investment profitability - Relative net present value and internal rate of return, *African Journal of Business Management*, 2011, Vol. 5, No 26, pp. 331-337, ISSN 1993-8233
17. Mitrović S., Milisavljević S., Čosić I., Leković B., Grubić-Nešić L., Ivanišević A. : Change in leadership styles in a transitional economy: A serbian case study, *African Journal of Business Management*, 2011, Vol. 5, No 9, pp. 3563-3569, ISSN 1993-8233
18. Nerandžić B., Perović V. : Personality and moral character traits and acknowledging the principles of management ethics, auditing and accounting ethics, *African Journal of Business Management*, 2011, ISSN 1993-8233
19. Nikolić S., Čosić I., Miletić A., Pečujlija M. : The effect of the 'golden ratio' on consumer behaviour, *African Journal of Business Management*, 2011, Vol. 5, No 20, pp. 8347-8360, ISSN 1993-8233
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25. Radlovački V., Beker I., Majstorović V., Pečujlija M., Stanivuković D., Kamberović B. : Quality Managers' Estimates of Quality Management Principles Application in Certified Organisations in Transitional Conditions - Is Serbia Close to TQM, *Strojniški vestnik - Journal of Mechanical Engineering*, 2011, Vol. 57, No 11, pp. 851-861, ISSN 0039-2480
26. Ratković Njegovan B. : Social Integration of Roma People – The Importance and Remit of Roma media: A Case Study, *TRAMES: A Journal of the Humanities and Social Sciences*, 2011, No 15, pp. 102-119, ISSN 1406-0922
27. Ratković Njegovan B., Vukadinović M., Grubić-Nešić L. : Characteristics and Types of Authority: the Attitudes of Young People. A case Study. *Slovak Sociological Review, Sociológia*
28. Stankovski S., Ostojčić G., Tarjan L., Škrinjar D., Lazarević M. : IML Robot Grasping Process Improvement, *Iranian Journal of Science & Technology, Transactions B*, 2011, Vol. 35, No M1, pp. 197-207, ISSN 1028-6284
29. Stefanović D., Drapšin M., Nikolić (Pavlović) J., Scepanovic D., Radjo I., Drid P. : Empirical study of university student satisfaction in e-learning system environment, *TTEM. Tehnics technologies education management*, 2011, Vol. 6, No 4, pp. 1152-1164, ISSN 1840-1503



30. Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolić J., Simeunović N. : Machining fixture assembly/disassembly in RFID environment, *Assembly Automation*, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Andevski M., Duđak Lj., Katić (Drezgić) I. : Director Role in Creating Culture Learning Organization at School , 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 456-460, ISBN 978-86-7892-341-8
2. Anišić Z., Šešlija D., Ignjatović I., Mladenović V. : PLM master curriculum design at University of Novi Sad - Faculty of Technical Sciences, 8. The IFIP WG 5.1 International Conference on Product Lifecycle Management, Eindhoven: Technical University Eindhoven, 11-13 Jul, 2011
3. Bunčić S. : The rights of Minority Shareholders, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad-faculty of Tehnichal sciences, 14-16 Septembar, 2011, pp. 574-579, ISBN 978-86-7892-341-8, UDK: 658.5
4. Chatzimichailidou M., Tsigkas A., Lukač D., Anišić Z. : Applying Living Lab Strategy in Real Life Conditions, 4. International Conference on Entrepreneurship, Innovation and Regional Development ICEIRD, Ohrid, 5-7 Maj, 2011, pp. 132-139, ISBN 978-608-65144-2-6
5. Chatzopoulos C., Tsigkas A., Anišić Z., Freund R. : Making Between Flow Manufacturing and Mass Customization Industries, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 53-59, ISBN 978-86-7892-341-8
6. Delić M., Radlovački V., Kamberović B., Tasić N., Hadžistević M. : Contribution to the Development of Instrument for Exploring Combined Impact of Quality Management System and Information System on Organizational Performances, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of technical sciences, Department of industrial engineering and management, 14-16 Septembar, 2011, pp. 332-336, ISBN 978-86-7892-341-8
7. Demko-Rihter J., Gračanin D., Morača S. : The importance of the business environment for the liquidity of SMEs and entrepreneurs - case of Serbia, 4. International Conference on Entrepreneurship, Innovation and Regional Development ICEIRD, Ohrid: National Centre for Development of Innovation and Entrepreneurial Learning, 5-7 Maj, 2011, pp. 172-179, ISBN 978-608-65144-1-9
8. Demko-Rihter J., Marić B., Ivanišević A. : Behaviour of Investment Projects' Efficiency Parameters in Terms of Sensitivity Analysis, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of technical sciences, 14-16 Septembar, 2011, pp. 373-375, ISBN 978-86-7892-341-8
9. Demko-Rihter J., Njegomir V. : The supportive role of investment funds and insurance companies to entrepreneurship and innovations, 4. International Conference on Entrepreneurship, Innovation and Regional Development ICEIRD, Ohrid, 5-7 Maj, 2011
10. Dobromirov D., Radišić M., Čelić Đ., Bojović V. : Competitive advantages of Serbian industry sectors, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Departman za Industrijsko inženjerstvo i menadžment, 14-16 Septembar, 2011, pp. 385-389, ISBN 978-86-7892-341-8
11. Duđak Lj., Grubić-Nešić L., Andevski M. : Characteristics of Organizational Culture Necessary for Development and Training of Employees, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 552-556, ISBN 978-86-7892-341-8
12. Duđak Lj., Savić-Šikoparija T., Hristić D. : The Importance of Internal and External Communication for the Acceptance and Implementation of Company's Corporate Responsibility, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 563-568, ISBN 978-86-7892-341-8
13. Ehrenmann S., Tekić Ž. : Cultural Diversity as a Factor of Companies' International Activities – Case of Indo - German R&D Collaboration, 22. DAAAM International Symposium, Vienna: DAAAM International, 23-26 Novembar, 2011, pp. 1393-1395, ISBN 978-3-901509-83-41
14. Ehrenmann S., Tekić Ž. : Cultural Diversity as a Factor of Product Development – Case of Indo-German Collaboration, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: FTN, 14-16 Septembar, 2011, pp. 557-562, ISBN 978-86-7892-341-2
15. Ferenčak M., Stanišić I., Radišić M., Dobromirov D. : Level of frictional unemployment in the Republic of Serbia, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Departman za industrijsko inženjerstvo i menadžment, Novi Sad, 14-16 Septembar, 2011, pp. 537-541, ISBN 978-86-7892-341-8

16. Firstner (Fürstner) I., Anišić Z., Zuban E., Kovács K. : Automated Tourism Package, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica: Subotica Tech, 8-10 Septembar, 2011, ISBN 978-1-45777-1973-8
17. Grubić-Nešić L., Andevski M., Čabrilo S. : Changes in Managing Style of Educational Institutions, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 517-520, ISBN 978-86-7892-341-8
18. Ivanišević A., Ćosić I., Leković B., Marić B., Demko-Rihter J. : Principles of Business Systems Design with a Feedback in the Function of an Environmental Impact Plan and Set Goals, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011, pp. 373-376, ISBN 978-86-7892-341-8
19. Kabok J., Đaković V., Anđelić G. : Investment Model Aimed at Raising Competitiveness of Higher Education, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad – Faculty of Technical Sciences, Department for Industrial Engineering and Management, 14-16 Septembar, 2011, pp. 446-450, ISBN 978-86-7892-341-8, UDK: 658.5 (082)
20. Kajmakoska B., Lombardi F., Chiabert P., Anišić Z., Gečevska V. : Continuous Innovativeness Supported by Integrated Computer-based and PLM Solutions, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 461-466, ISBN 978-86-7892-341-8
21. Katić A., Ćosić Đ. : INSTALLATION OF PREVENTIVE IN THE PHASE OF TECHNICAL SYSTEM DESIGN IN ORDER TO REDUCE THE HARMFULL EFFECTS CAUSED BY FLOODS, 16. International conference Safety of technical systems in living and working environment, Niš: FACULTY OF OCCUPATIONAL SAFETY IN NIS, 27-28 Oktobar, 2011, pp. 119-123, ISBN 978-86-6093-035-6
22. Kostić (Panasiuk) B. : NEW ETHICAL CHALLENGES IN THE STUDY AND PRACTICE OF PUBLIC RELATIONS AT THE BEGINNING OF THE TWENTY-FIRST CENTURY, 3. Annual International Conference on Education and New Learning Technologies EDULearn11, Barselona: IATED, 4-6 Jul, 2011, pp. 4181-4185, ISBN 978-84-615-0441-1
23. Kostić (Panasiuk) B. : POSSIBILITIES AND NEEDS FOR CREATION OF INTEGRATED, RELIABLE, RELEVANT, STRUCTURED AND MULTILINGUAL INTERNET DATABASE OF HUMAN KNOWLEDGE, 3. Annual International Conference on Education and New Learning Technologies EDULearn11, Barselona: IATED, 4-6 Jul, 2011, pp. 4165-4170, ISBN 978-84-615-0441-1
24. Kovač R., Horvat S., Šenk I., Tarjan L., Jovanović V. : Wi-Fi system for monitoring the student attendance at university lectures, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, Department of Industrial Engineering and Management, 14-16 Septembar, 2011, pp. 160-164, ISBN 978-86-7892-341-8
25. Marić B., Demko-Rihter J., Ivanišević A. : Impact of the Project Lifetime on the Profitability of Investments, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011, pp. 376-379, ISBN 978-86-7892-341-8
26. Marjanović U., Lalić B., Milić B., Uzelac O. : Barriers for Successful Implementation of an IT Initiative, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 496-499, ISBN 978-86-7892-341-8
27. Marjanović U., Lalić B., Milić B., Uzelac O. : Conversion of Traditional Course in Electronic Business into an Online Course, 1. ITRO - International Conference on Information Technology and Development of Education, Zrenjanin: University of Novi Sad, Technical faculty "Mihajlo Pupin", 1 Jul, 2011, pp. 379-381, ISBN 978-86-7672-134-4
28. Milić B., Grubić-Nešić L., Zubanov V., Marjanović U. : Organizational Culture and Conflict Management Style: A Study of a Public Transportation Company, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 547-551, ISBN 978-86-7892-341-8
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30. Mitrović S., Nikolić (Pavlović) J., Milisavljević S. : Motivation as a key factor of a prosperous company, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 542-547, ISBN 978-86-7892-341-8
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  33. Pečujlija M., Delić Z., Ćosić I. : Introducing Innovations into Serbian Companies Organizational Culture: Questionnaire and EFA as Tools for Researching Employees Assumptions, 1. International Technology Management Conference (ITMC), San Jose: Institute of Electrical and Electronics Engineers, Inc, 27-30 Jun, 2011, pp. 254-263, ISBN 978-1-61284-952-2
  34. Popović Lj., Ćosić Đ., Sakulski D., Polovina A. : International insurance model for mitigation of climate-related disasters, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011, pp. 521-526, ISBN 978-86-7892-341-8
  35. Radlovački V., Beker I., Majstorović V., Pečujlija M., Kamberović B., Delić M. : Research on TQM practice in Serbia, 6. International Working Conference "Total Quality Management - Advanced and Intelligent Approaches" - TQM & AIA, Beograd: Mechanical Engineering Faculty, Laboratory for Production Metrology and TQM, Belgrade, Serbia, 6-10 Jun, 2011, pp. 220-223, ISBN 978-86-7083-727-0, UDK: 005.6; 006.83
  36. Radlovački V., Kamberović B., Pečujlija M., Delić M., Vulcanović S. : Elements of Quality Management and Estimates of Management Systems Provided By Quality Managers - The Situation in Serbia, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of technical sciences, Department of industrial engineering and management, 14-16 Septembar, 2011, pp. 337-342, ISBN 978-86-7892-341-8
  37. Ralević N., Đaković V., Anđelić G., Kovačević I., Kiurski J., Čomić L. : Fuzzy Prediction Based on Regression Models: Evidence from the Belgrade Stock Exchange – Prime Market and Graphic Industry, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica: Obuda University, Budapest, Hungary; Subotica Tech, Serbia; University of Novi Sad, Serbia, 8-10 Septembar, 2011, pp. 151-156, ISBN 978-1-4577-1973-8
  38. Ratković Njegovan B., Kostić (Panasiuk) B. : Creative Portfolio Strategy as a Model of Management in Media Company: An Example of Public Broadcasting, 1. International Symposium Engineering Management and Competitiveness - EMC, Zrenjanin, 23 Jun, 2011, ISBN 987-86-7672-135-1
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  40. Rikalović A., Pavić A., Suzić N., Gračanin D. : Project Management Using Open Source Internet Tools, 4. International Conference on Entrepreneurship, Innovation and Regional Development ICEIRD, Ohrid: National Centre for Development of Innovation and Entrepreneurial Learning, 5-7 Maj, 2011, pp. 987-994, ISBN 978-608-65144-2-6
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Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

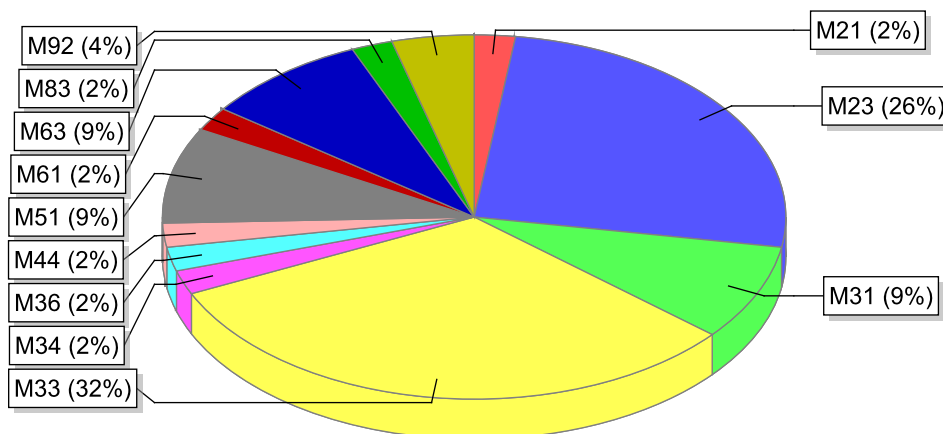
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehatroniku, robotiku i automatizaciju

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	12
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	15
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u vodećem časopisu nacionalnog značaja	M51	4
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak	M83	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2





## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Juhasz L., Maas J., Borovac B. : Parameter identification and hysteresis compensation of embedded piezoelectric stack actuators, *The Journal of Mechatronics*, 2011, Vol. 21, No 1, pp. 329-338, ISSN 0957-4158

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2. Borovac B., Nikolić M., Raković M. : How to Compensate for the Disturbances that Jeopardize Dynamic Balance of a Humanoid Robot?, *Int. Jour. of Humanoid Robotics*, 2011, Vol. 8, No 3, pp. 533-578, ISSN 0219-8436, UDK: 10.1142/S0219843611002551
3. Lazarević M., Ostojić G., Ćosić I., Stankovski S., Vukelić Đ., Zečević I. : Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, *Scientific Research and Essays*, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248
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7. Popkonstantinović B., Miladinović Lj., Stoimenov M., Petrović D., Ostojić G., Stankovski S. : DESIGN, MODELLING AND MOTION SIMULATION OF THE REMONTOIRE MECHANISM, *Transactions of FAMENA*, Zagreb, 2011, Vol. 35, No 2, pp. 79-93, ISSN 1333-1124., UDK: 621.9.06:531.43:007.52
8. Popkonstantinović B., Miladinović Lj., Stoimenov M., Petrović D., Petrović N., Ostojić G., Stankovski S. : Practical method for thermal compensation of long-period compound pendulum, *Indian Journal of Pure and Applied Physics*, 2011, Vol. 49, No 10, pp. 657-664, ISSN 0019-5596
9. Popović B., Popović N., Mijić D., Stankovski S., Ostojić G. : Remote Control of Laboratory Equipment for Basic Electronics Courses: A LabVIEW-based Implementation DOI: 10.1002/cae.20531, *Computer Applications in Engineering Education*, 2011, ISSN 1061-3773
10. Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M. : IML Robot Grasping Process Improvement, *Iranian Journal of Science & Technology, Transactions B*, 2011, Vol. 35, No M1, pp. 197-207, ISSN 1028-6284
11. Šešlija D., Ignjatović I., Dudić S., Lagod B. : Potential energy savings in compressed air systems in Serbia, *African Journal of Business Management*, 2011, Vol. 5, No 14, pp. 5637-5645, ISSN 1993-8233
12. Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolić J., Simeunović N. : Machining fixture assembly/disassembly in RFID environment, *Assembly Automation*, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154

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2. Ostojić G., Stankovski S. : Correlation of RFID technology and Ubiquitous Sensor Network, 15. *International Scientific Conference on Industrial Systems - IS*, Novi Sad: Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 120-125, ISBN 978-86-7892-341-8
3. Šešlija D., Ignjatović I., Dudić S. : Compressed air system structure and energy efficiency, 15. *Symposium on Thermal Science and Engineering of Serbia*, Soko Banja: University of Nis, Faculty of Mechanical Engineering and Society of Thermal Engineers of Serbia, 18-21 Oktobar, 2011, pp. 649-658, ISBN 978-86-6055-018-9
4. Vukobratović M., Borovac B., Raković M., Nikolić M. : How to Cope with Disturbances in Biped Locomotion?, 1. *Special International Conference on Complex Systems: Synergy of Control, Computing &*

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1. Anišić Z., Šešlija D., Ignjatović I., Mladenović V. : PLM master curriculum design at University of Novi Sad - Faculty of Technical Sciences, 8. The IFIP WG 5.1 International Conference on Product Lifecycle Management, Eindhoven: Technical University Eindhoven, 11-13 Jul, 2011
2. Borovac B., Nikolić M., Raković M. : Disturbance compensation of standing humanoid robot -Simulation, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011
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4. Borovac B., Raković M., Nikolić M. : Biologically Inspired On-line Generation of Complex Movements Using Primitives, 5. IEEE Symposium Series on Computational Intelligence Proceedings, Pariz, 11-15 April, 2011, pp. 99-106, ISBN 978-1-4577-0470-3
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6. Dudić S., Ignjatović I., Šešlija D. : Usage of non-destructive methods in compressed air system, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 101-104, ISBN 978-86-7892-341-8
7. Ignjatović I., Vasiljev M., Šešlija D. : Energy effect of inappropriate dryer use in compressed air system-example of bad practice, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 110-113, ISBN 978-86-7892-341-8
8. Kovač R., Horvat S., Šenk I., Tarjan L., Jovanović V. : Wi-Fi system for monitoring the student attendance at university lectures, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, Department of Industrial Engineering and Management, 14-16 Septembar, 2011, pp. 160-164, ISBN 978-86-7892-341-8
9. Krstanović S., Stojić G., Šešlija D., Tanackov I., Tarjan L., Tepić J. : A Model of Remote Control of Railway Traffic Based on PLC Technique, 46. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - ICEST, Niš: Published by Faculty of Electronic Engineering, University of Niš, Serbia, Printed by UNIGRAF, Niš, Serbia, 29-1 Jun, 2011, pp. 766-769, ISBN 978-86-6125-033-0
10. Malisa V., Titanilla K., Ignjatović I. : Energy efficient automation on an example of a demo robot cell, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 97-100, ISBN 978-86-7892-341-8
11. Raković M., Nikolić M., Borovac B. : Humanoid Robot Reaching Task Using Support Vector Machine, 4. EUROBOT conference, Prague: Springer - Verlag, 15-17 Jun, 2011, pp. 263-276, ISBN 978-3-642-21975-7, UDK: 10.1007/978-3-642-21975-7\_23
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13. Škrinjar D., Dragičević D., Stankovski S., Ostojić G., Horvat S. : Didactic Model of Servo Pneumatic System, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, Department of Industrial Engineering and Management, 14-16 Septembar, 2011, pp. 156-159, ISBN 978-86-7892-341-8
14. Tarjan L., Šenk I., Kovač R., Horvat S., Ostojić G. : Automatic identification based on 2D barcodes, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, Department of Industrial Engineering and Management, 14-16 Septembar, 2011, pp. 130-135, ISBN 978-86-7892-341-8
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Radišić M., Ferenčak M., Igor S., Stankovski S., Dobromirov D. : Harmonization of the Republic of Serbia tax system with the tax system of the European Union, 8. Augustin Cournot Doctoral Days, Strasbourg:

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Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Anišić Z., Stankovski S. : Proceedings of the 1st Regional Conference - Mechatronics in Practice and Education MECH-CONF, 1. Regional Conference - Mechatronics in Practice and Education (MECH-CONF), Subotica: Visoka tehnička škola strukovnih studija u Subotici, 8-10 Decembar, 2011, ISBN 978-86-85409-67-7, UDK: 007.5 (082)

Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

1. Ćosić I., Šešlija D., Ignjatović I. : Razvoj obrazovanja industrijskih inženjera, Beograd, Ekonomski institut, 2011, str. 19-45, ISBN 978-86-7329-086-7

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Borovac B., Raković M., Nikolić M. : Realization of Primitives by Using SVM for Humanoid Robot Walk Generation, Electronics, 2011, Vol. 15, No 2, pp. 19-24, ISSN 1450-5843
2. Ignjatović I., Šešlija D., Dudić S. : Increasing energy efficiency of compressed air usage for sustainable production of food and beverage, Acta Technica Corviniensis, 2011, Vol. 4, No 2, pp. 61-65, ISSN 2067-3809
3. Purić R., Lazarević M., Ostojić G., Marović B., Stankovski S. : RFID-BASED LIFECYCLE PRODUCT MONITORING FOR INSURANCE PURPOSES, Facta universitatis - series: Mechanical Engineering, 2011, Vol. 9, No 1, pp. 119-126, ISSN 0354-2025, UDK: 658.562.6
4. Stankovski S. : Potrebne aktivnosti na realizaciji strategije razvoja energetike Republike Srpske do 2030. godine iz oblasti obnovljivih izvora električne energije, Elektroprivreda, 2011, Vol. 64, No 4, pp. 362-370, ISSN 0013-5755

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1. Stankovski S., Ostojić G. : Design and Construction of Mechatronic Systems for Educational Purposes, 1. Regional Conference - Mechatronics in Practice and Education (MECH-CONF), Subotica: Visoka tehnička škola strukovnih studija u Subotici, 8-10 Decembar, 2011, pp. 21-28, ISBN 978-86-85409-67-7, UDK: 007.5(082)

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Borovac B., Raković M., Nikolić M. : One Approach for On-Line Generation of Motion of Humanoid Robot using Primitives, 55. ETRAN, Banja Vrućica, 6-9 Jun, 2011, pp. 57-57
2. Horvat S., Ljubinković N., Stankovski S., Ostojić G., Šenk I., Tarjan L. : Identifikacija taksista i taksi vozila korišćenjem RFID tehnologije, 10. Infoteh, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 16-18 Mart, 2011, pp. 576-580, ISBN 99938-624-2-8
3. Kovač R., Tegeltija S., Đukić N. : Wi-Fi sistem za praćenje prisustva u zatvorenim prostorijama, 10. Naučno-stručni simpozijum Informacione tehnologije INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 16-18 Mart, 2011, pp. 655-658, ISBN 99938-624-2-8
4. Šenk I., Ostojić G., Stankovski S., Tarjan L., Lazarević M. : Sledljivost prehrambenih proizvoda korišćenjem RFID tehnologije, 10. Infoteh, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 16-18 Mart, 2011, pp. 584-588, ISBN 99938-624-2-8

Spisak rezultata M83 - Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak

1. Stojiljković M., Šešlija D., Blagojević V., Veselić B. : Laboratorijsko postrojenje za merenje potrošnje vazduha pod pritiskom na različitim pneumatskim izvršnim elementima, korisnik: Mašinski fakultet u Nišu, 2011

Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

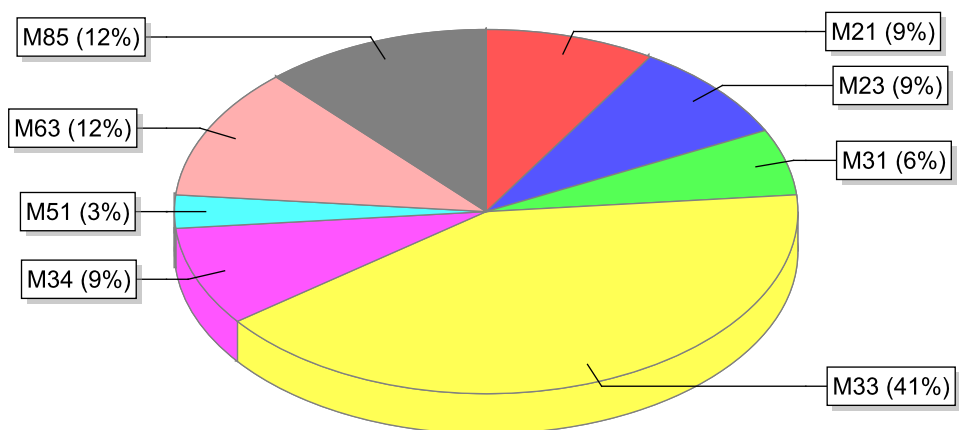
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2. Šešlija D., Ignjatović I., Tarjan L., Marković J. : Integrisani uređaj za daljinski nadzor pada pritiska na filterima vazduha pod pritiskom sa upotrebom dva manometra, Novi Sad, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informaciono-komunikacione sisteme

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	3
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	14
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u vodećem časopisu nacionalnog značaja	M51	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	4



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Bošković D. : Greening of video streaming to mobile devices by pervasive wireless CDN, Journal of Green Engineering, 2011, ISSN 1904-4720
2. Čulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D. : Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149
3. Pečujlija M., Čulibrk D. : Why we believe the computer when it lies , Computers in Human Behavior, 2011, Vol. 28, No 1, pp. 143-152, ISSN ISSN: 0747-5632

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Radonić (Jakšić) J., Čulibrk D., Vojinović-Miloradov M., Kukić B., Turk Sekulić M. : Prediction of gas-particle partitioning of PAHs based on M5' model trees, Thermal Science, 2011, Vol. 15, No 1, pp. 115-124, ISSN 0354-9836, UDK: doi: 10.2298/TSCI100809005R
2. Stefanović D., Drapšin M., Nikolić (Pavlović) J., Scepanovic D., Radjo I., Drid P. : Empirical study of university student satisfaction in e-learning system environment, TTEM. Tehnics technologies education management, 2011, Vol. 6, No 4, pp. 1152-1164, ISSN 1840-1503
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### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

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2. Ristić A., Govedarica M., Pržulj Đ., Sladić D. : European cadastre in Serbia - domain model, 1. International Scientific Conference - Professional Practice and Education in Geodesy and Related Fields, Kladovo: University of Belgrade - Faculty of Civil Engineering, 24-26 Jun, 2011, pp. 45-49, ISBN 978-86-7518-135-4

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2. Čulibrk D., Gavrić K., Lugonja P., Mirković M., Crnojević V. : Detecting Attractive Location and Tourists' Dynamics Using Geo-referenced Image, 10. TELSIKS - International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services, Niš: IEEE, 5-8 Oktobar, 2011, pp. 208-211, ISBN 978-1-4577-2017-8
3. Čulibrk D., Vučinić A., Božović V., Crnojević V. : 3D REKONSTRUKCIJA KORISTEĆI SLIKE SA INTERNETA I ALGORITAM POSTEPENOG RASTA REGIONA , 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Infoteh, 16-18 Mart, 2011, pp. 742-745, ISBN 978-99938-624-6-8
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5. Govedarica M., Ristić A., Sladić D., Pržulj Đ. : LADM profil za Republiku Srpsku, 2. Congress on cadastre in Bosnia and Herzegovina - Kongres o katastru u BiH, Sarajevo: Geodetsko društvo Herceg-Bosne, 28-30 Septembar, 2011, ISBN ISSN 2233-1182
6. Milisavljević S., Mirković M., Šević D., Mitrović S. : Business quality improvement by using e-services for customer relationship management, 6. International Working Conference "Total Quality Management - Advanced and Intelligent Approaches" - TQM & AIA, Beograd, 6-10 Jun, 2011, pp. 316-319, ISBN 978-86-7083-727-0
7. Mirković M., Čulibrk D., Anderla A., Stefanović D., Milisavljević S. : A framework for obtaining publicly available geo-referenced video meta-data, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 223-228, ISBN 978-86-7892-341-8
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Management; University of Novi Sad, 14-16 Septembar, 2011, pp. 247-253, ISBN 978-86-7892-341-8

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- Ristić S., Rakić-Skoković M., Al-Dahoud A. : An Overview of the Approaches for A PLM Application's Customization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, pp. 217-222, ISBN 978-86-7892-341-8
- Stefanović D., Rakić-Skoković M., Krsmanović C. : MODERN ICT AS SUPPORT FOR THE RESOURCE PLANNING IN MANUFACTURING AND BUSINESS, 16. Strategic Management and decision support systems in strategic Management, Subotica: Ekonomski Fakultet, 19 Maj, 2011, ISBN 987-86-7233-286-5
- Stefanović D., Rakić-Skoković M., Mirković M., Anderla A., Rašić D. : Contemporary Software Business Suites as a Company's Competitive Advantage, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, ISBN 978-86-7892-341-8

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

- Ćulibrk D., Turk Sekulić M., Ćulibrk D., Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Kukić B., Kukić M. : Prediction of gas particle partitioning of polychlorinated biphenyls (PCBs) based on M5' model trees, 12. 12th European Meeting on Environmental Chemistry, Clermont Ferrand: ICCE, 7-10 Decembar, 2011, pp. 101-101
- Radonić (Jakšić) J., Ćulibrk D., Vojinović-Miloradov M., Kukić B., Turk Sekulić M. : Prediction of Atmospheric Distribution of Low – Molecular - Weight PAHs Based on M5' Model Trees, 2. ICCE, Ciriš, 11-15 Septembar, 2011, pp. 358-358
- Ristić A., Govedarica M., Pržulj Đ. : Land administration domain model as basis for real estate cadastre implementation, 1. International NSDI conference: impact of the NSDI in society, challenges for establishment, Skoplje, 19-20 Septembar, 2011

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- Bošković D., Kovačević M. : Edge Networks & Inverted 4G, Telekomunikacije, Vodeći nacionalni naučno-stručni časopis iz oblasti, 2011, Vol. 7

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Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

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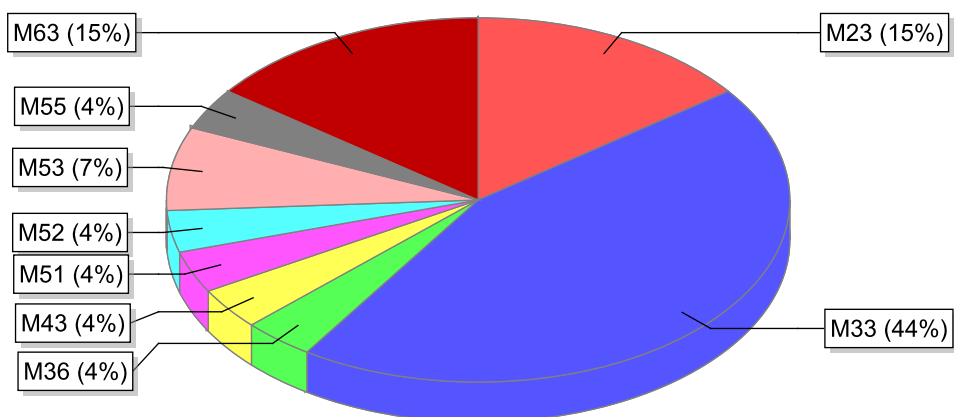
2. Čulibrk D., Brkljač B., Panić M., Brdar S., Minić V., Letić D., Crnojević V. : Softver: Softver za automatsku klasifikaciju letećih insekata na osnovu morfoloških karakteristika krila sa primenom u ispitivanju biodiverziteta ekosistema, 2011
3. Čulibrk D., Lugonja P., Brdar S., Panić M., Minić V., Crnojević V., Letić D. : Softver: Softver za automatsku klasifikaciju poljoprivrednih kultura na osnovu satelitskih snimaka, 2011
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za kvalitet, efektivnost i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	12
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografska bibliografska publikacija	M43	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	2
Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M55	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4





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### Spisak rezultata M23 - Rad u međunarodnom časopisu

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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Beker I., Jevtić V., Dobrilović D. : Using Shortest-Path Algorithms for Forklift Route Planning and Optimization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehnickin nauka, Novi Sad, 14-16 Septembar, 2011, pp. 285-290, ISBN 978-86-7892-341-8, UDK: 658.5 (082)
2. Delić M., Radlovački V., Kamberović B., Tasić N., Hadžistević M. : Contribution to the Development of Instrument for Exploring Combined Impact of Quality Management System and Information System on Organizational Performances, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of technical sciences, Department of industrial engineering and management, 14-16 Septembar, 2011, pp. 332-336, ISBN 978-86-7892-341-8
3. Milisavljević S., Mirković M., Šević D., Mitrović S. : Business quality improvement by using e-services for customer relationship management, 6. International Working Conference "Total Quality Management - Advanced and Intelligent Approaches" - TQM & AIA, Beograd, 6-10 Jun, 2011, pp. 316-319, ISBN 978-86-7083-727-0
4. Mirković M., Ćulibrk D., Anderla A., Stefanović D., Milisavljević S. : A framework for obtaining publicly available geo-referenced video meta-data, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 223-228, ISBN 978-86-7892-341-8
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451-455, ISBN 978-86-7892-341-8

12. Vulanović S., Beker I., Radlovački V. : Selection, Adjustment and Appliance of FMEA Method in Risk Assessment Process of Integrated Management System, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of technical sciences, Department of industrial engineering and management, 14-16 Septembar, 2011, pp. 320-324, ISBN 978-86-7892-341-8

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Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Vukelić Đ., Tadić B., Jocanović M., Lužanin O., Simeunović N. : A System for Computer-Aided Selection of Cutting Tools, Acta Technica Corviniensis, 2011, Vol. 4, No 4, pp. 89-92, ISSN 2067-3809

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Spisak rezultata M55 - Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)

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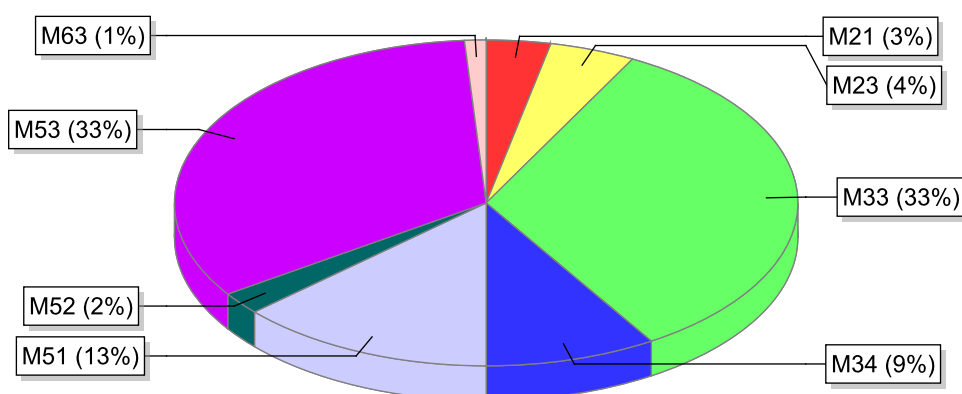
1. Brkljač N., Milisavljević S., Mitrović S., Lošonc (Losoncz) A. : Problem opasnog otpada kao ekološki segment krize u Srbiji, 1. Socijalni identitet u uslovima krize: problemi i rešenja, Novi Sad: Univerzitet u Novom Sadu - Fakultet tehničkih nauka, 5 Novembar, 2011, pp. 123-131, ISBN 978-86-7892-358-6
2. Kesić I., Gajišin J., Brkljač N. : Evroazijska unija: Jedna mogućnost izlaska iz krize, 1. Socijalni identitet u uslovima krize: problemi i rešenja, Novi Sad: Univerzitet u Novom Sadu - Fakultet tehničkih nauka, 5 Novembar, 2011, pp. 196-205, ISBN 978-86-7892-358-6
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4. Stefanović D., Anderla A., Rašić D., Mirković M., Stefanović N., Milisavljević S. : Istraživanje uslova za integraciju savremenih ICT u poslovanje proizvodnih sistema, 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički Fakultet Istočno Sarajevo, 16-18 Mart, 2011, pp. 659-662, ISBN 99938-624-2-8

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	30
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Rad u vodećem časopisu nacionalnog značaja	M51	12
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	30
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1

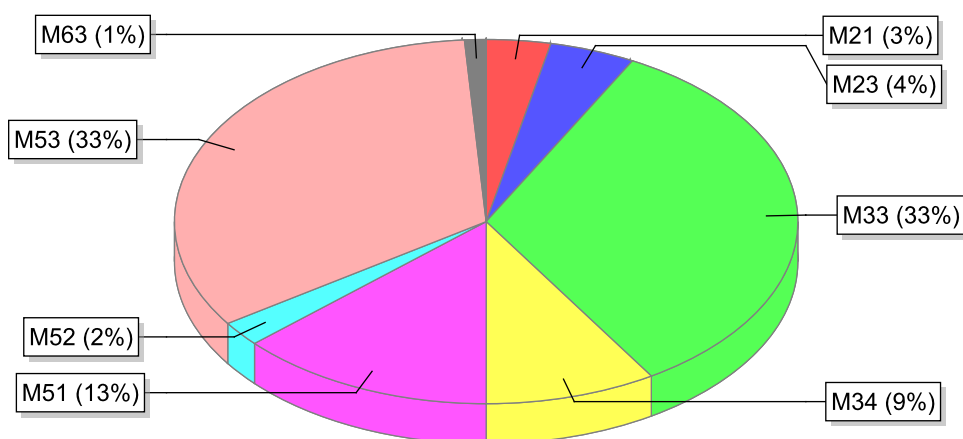


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	30
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Rad u vodećem časopisu nacionalnog značaja	M51	12
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	30
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Dalmacija M., Prica M., Dalmacija B., Rončević S., Klašnja M. : Quantifying the environmental impact of As and Cr in stabilized/solidified materials, *Science of the Total Environment*, 2011, Vol. 412, pp. 366-374, ISSN 0048-9697
2. Szydłowska-Czerniak A., Bartkowiak-Broda I., Karlović I., Karlović Đ., Szlyk E. : Antioxidant capacity, total phenolics, glucosinolates and colour parameters of rapeseed cultivars, *Food Chemistry*, 2011, Vol. 127, No 2, pp. 556-563, ISSN 0308-8146
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### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Karlović I., Novaković D. : Effect of Different Coating Amounts on the Surface Roughness and Print Gloss of Screen Coated Offset Prints, *J IMAGING SCI TECHN*, 2011, Vol. 55, No 2, pp. 1-10, ISSN 1062-3701
2. Kiurski J., Obadović D., Marinković-Nedučin R., Cvetinov M. : The influence of Ni(II) ion on the properties of NiO- Al<sub>2</sub>O<sub>3</sub> catalyst prepared by impregnation method, *Surface and Interface Analysis*, 2011, No 43, pp. 971-975, UDK: DOI: 10.1002/sia.3677
3. Mihailović A., Grujić S., Kiurski J., Krstić J., Oros I., Kovačević I. : Occupational noise in printing companies, *Environmental Monitoring and Assessment*, 2011, Vol. 181, No 1-4, pp. 111-122, ISSN 1573-2959 (Online), UDK: DOI: 10.1007/s10661-010-1817-5
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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Adamović D., Kiurski J., Milovanović D., Kovačević S., Đogo M., Mihailović A., Grujić S. : VOCs in screen printing facilities, 11. The international conference Engineering of Environment Protection, Bratislava: Slovak University of Technology in Bratislava, faculty of Mechanical Engineering, 14-16 Jun, 2011, pp. 15-20, ISBN 978-80.227-3519-3
2. Apro M., Novaković D., Pal S. : Evaluation of image segmentation algorithms for folded substrate analysis, 38. IARIGAI, Budimpešta: International Association of Research Organizations for the Information, Media and Graphic Arts Industries, 11-14 Septembar, 2011, pp. 209-217, ISBN 978-3-9812704-2-6
3. Apro M., Sadžakov M., Pavlović Ž., Dedijer S. : Karakterizacija ofset štampe na recikliranim kartonima, 17. International Symposium in the field of pulp, paper, packaging and graphics, Zlatibor: Tehnološko-metalurški fakultet Univerziteta u Beogradu, Centar celuložno-papirne, ambalažne i grafičke industrije Srbije, 21-24 Jun, 2010, pp. 177-180, ISBN 978-86-7401-267-3
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6. Dedijer S., Apro M., Pavlović Ž., Cigula T., Obrenović B. : Influence of ink solvent concentration on wetting of flexo printing plate and PE foil, 2. International Joint Conference on Environmental and Light Industry Technologies, Budimpešta: Rejtő Sándor Faculty of Light Industry and Environmental Engineering, 21-22 Novembar, 2011, pp. 143-150, ISBN 978-615-5018-23-7
7. Karlović I., Novotny E., Tomić I., Novaković D. : The Influence of UV coating application on printed cardboard surface properties and colourimetric values, 38. IARIGAI, Budimpešta: IARIGAI, 11-14 Septembar, 2011, pp. 153-158, ISBN 9783981270426
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10. Kašiković N., Novaković D., Vladić G., Avramović D. : INFLUENCE OF INK VOLUME ON K/S VALUES AND SURFACE REFLECTANCE OF PRINTED TEXTILE MATERIAL, 2. International Joint Conference on Environmental and Light Industry Technologies, Budimpešta: Óbuda University, 21-22 Novembar, 2011, pp. 269-273
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13. Kiurski J., Adamović (Majkić) S., Oros I., Krstić J., Adamović D. : Formaldehyde in screen printing indoor, 17. Int. Symp. on Analytical and Environmental Problems, Szeged: SZAB Kémiai Szakbizottság Analitikai és Környezetvédelmi Munkabizottsága, 19 Septembar, 2011, pp. 189-192, ISBN 978-963-315-066-5
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17. Milić N. : The LCH colour mapping method as a tool for precise soft proof for the digitally printed textile products, 4. "Printig Future Days" international Scinetific Conference on print and Media Technology for junior scientists and PhD students, Chemnitz: Chemnitz University of Technology, 7-10 Novembar, 2011, pp. 25-30, ISBN 978-3-86135-623-3
18. Milić N., Novaković D., Zeljković Ž. : Development of plug-in for optimizing colours of graphic and web designs for persons with dichromatic vision deficiencies, 11. AIC 2011 Midterm Meeting of the International Colour Association (AIC) - Interaction of Colour & Light in the Arts and Sciences, Zurich: pro/colore, 7-10 Jun, 2011, pp. 576-579, ISBN 978-3-033-02929-3
19. Nedeljković S., Pinčjer I., Nedeljković U. : ANOTHER INSIGHT ON NEO-CLASSICAL TYPE FORMS, 14. "Blaž Baromić" International Conference on printing, design and graphic communications, Senj: Sveuciliste u Zagrebu, Graficki fakultet, 6-9 Oktobar, 2010
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

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Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

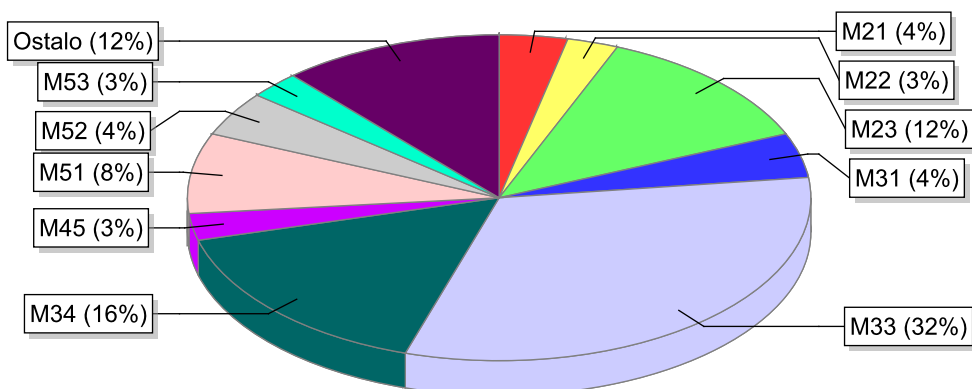
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	14
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	5
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	36
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	18
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Monografska bibliografska publikacija	M43	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	3
Rad u vodećem časopisu nacionalnog značaja	M51	9
Rad u časopisu nacionalnog značaja	M52	5
Rad u naučnom časopisu	M53	3
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	2
Kritička evaluacija podataka, baza podataka,	M86	2

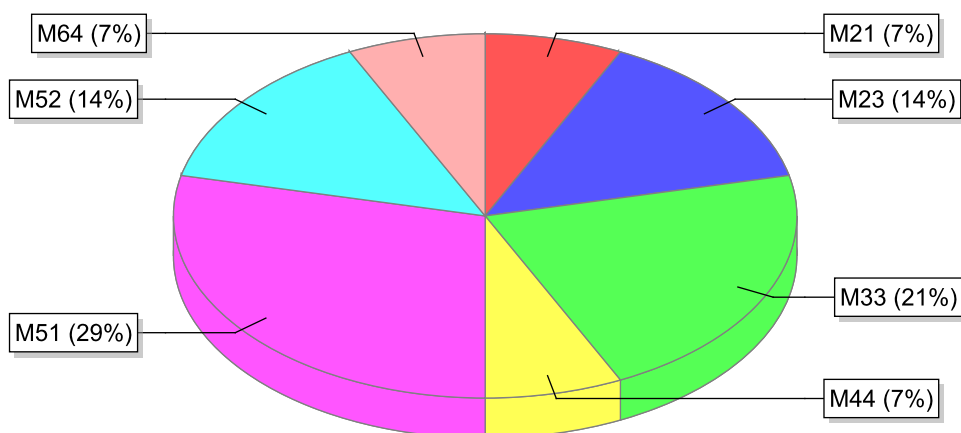


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo biosistema

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u časopisu nacionalnog značaja	M52	2
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

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2. Đatkov Đ., Effenberger M. : Monitoring and assessing the performance of agricultural biogas plants, 39. 39th INTERNATIONAL SYMPOSIUM: ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Opatija: Sveučilište u Zagrebu, Agronomski fakultet, 22-25 Februar, 2011, pp. 201-210, ISBN 1333-2651, UDK: 661.9
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### Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

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### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Đatkov Đ., Golub M., Bojić S., Martinov M. : Supstrati za proizvodnju biogasa u AP Vojvodini– karakteristike, troškovi i potencijali, *Savremena poljoprivredna tehnika*, 2011, Vol. 37, No 2, pp. 193-202, ISSN 0350-2953, UDK: 631 (05)
2. Golub M., Đatkov Đ., Bojić S., Martinov M. : Ukupan i raspoloživ prinos biljnih ostataka pšenice, *Savremena poljoprivredna tehnika*, 2011, Vol. 37, No 2, pp. 185-192, ISSN 0350-2953, UDK: 631 (05)
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4. Martinov M., Višković M., Đatkov Đ., Bojić S., Golub M., Radusin M., Ogrizović B. : Korišćenje ambalaže pesticida kao goriva, *Savremena poljoprivredna tehnika*, 2011, Vol. 37, No 1, pp. 105-115, ISSN 0350-2953, UDK: 631 (05)

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2. Veselinov B., Adamović D., Martinov M., Krnač B. : Mehanizovano ubiranje i separacija cvasti nevena, *Bilten za alternativne biljne vrste*, 2011, Vol. 42, No 83, pp. 32-39, ISSN 2217-7205

### Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

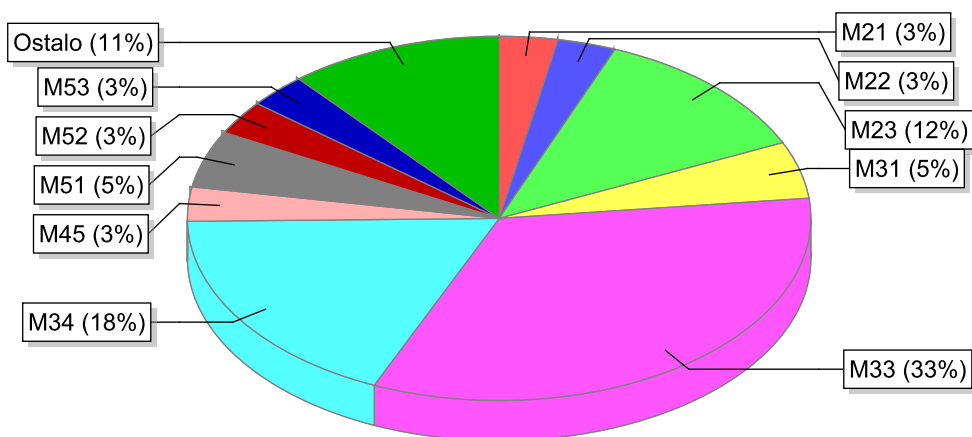
1. Martinov M., Bojić S., Golub M. : Sušenje semena uljane tikve – rezultati eksperimenta 2010, 18. Naučnostručni skup „Proizvodnja i plasman lekovitog, začinskog i aromatičnog bilja“, Bački Petrovac: Institut za ratarstvo i povrtarstvo, 30 Septembar, 2011, pp. 32-39

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	12
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	5
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	33
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	18
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Monografska bibliografska publikacija	M43	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	3
Rad u vodećem časopisu nacionalnog značaja	M51	5
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	3
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Odbranjena doktorska disertacija	M71	2
Kritička evaluacija podataka, baza podataka,	M86	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Kaišarević (Zorić) S., Hilscherova K., Weber R., Sundqvist K., Tysklind M., Voncina E., Bobic S., Andric N., Pogrmić-Majkić K., Vojinović-Miloradov M., Giesy J., Kovačević R. : Characterization of dioxin-like contamination in soil and sediments from the "hot spot" area of petrochemical plant in Pancevo (Serbia). , Environmental Science and Pollution Research, 2011, Vol. 18, pp. 677-686, ISSN 0944-1344
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3. Mrazovac S., Vojinović-Miloradov M. : Correlation of main physicochemical parameters of some groundwater in northern Serbia, Journal of Geochemical Exploration, 2011, Vol. 108, No 3, pp. 176-182, ISSN 0375-6742

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1. Čosić Đ., Popov S., Sakulski D., Pavlović A. : Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
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4. Jovović A., Vujić G., Pavlović M., Radić D., Jevtić D., Stanojević M. : Spontaneous Ignition/Low Temperature Oxidation of Municipal Solid Waste, Revista de Chimie, 2011, Vol. 62, No 1, pp. 108-112, ISSN 0034 - 7752
5. Kukučka M., Kukučka N., Tomić Ž., Šiljeg M., Vojinović-Miloradov M. : Effect of extremely high specific flow rates on the removal of NOM and arsenic from groundwater with an ion-exchange resin: a pilot study in northern Serbia, Journal of Environmental Science and Health, part A, 2011, Vol. 46, No 9, pp. 952-959, ISSN 1093-4529
6. Mihajlov A., Puda A., Jovanovic F., Stevanović Čarapina H. : Reporting by selected Analytical Tools for Environmental Management: Hazardous waste management in South Eastern Europe , Journal of environmental protection and ecology (JEPE), 2011, Vol. 12, No 2, pp. 565-569, ISSN 1311-5065
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Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Mihajlov A. : Mining Waste Management: Strategic Framework - Plenary Lecture, 41. International October Conference of Mining and Metallurgy, Kladovo, 4-6 Oktobar, 2009, pp. 5-13, ISBN 978-86-80987-87-3
2. Nježić Z., Psodorov Đ., Cvetković B., Filipović V., Stošić M., Milić N. : SEPARATION OF CARBONHYDRATED FOOD MACROMOLECULES , 22. International Symposium Food safety production, Trebinje: FACULTY of AGRICULTURE Novi Sad , 19-25 Jun, 2011, pp. 234-236, ISBN 978-86-7520-219-6
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4. Vojinović-Miloradov M., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Stošić M. : Emerging substances of concern – a shift in traditional thinking, 1. Environmental Protection of Urban and Suburban Settlements, novi sad: Ecological Movement of Novi Sad, 21-24 Septembar, 2011, pp. 265-271, ISBN 978-86-83177-44
5. Vujić G. : Frontiers of engineering technology in waste management in the framework of sustainable development, 5. PSU-UNS International Conference: Energy and the Environment, Phuket, 2-3 Maj, 2011

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7. Karanović N., Čepić Z., Dorić J., Mihajlović I., Stošić M., Vojinović-Miloradov M. : End-of-life-vehicles: Source of Fe-Metals and Environmental Impact of Schredder Plant in Serbia, 1. The international conference Engineering of Environment Protection - TOP, Bratislava, 5-10 Jun, 2009
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  10. Kiurski J., Krstić J., Oros I., Adamović (Majkić) S., Turk Sekulić M., Mihailović A., Đogo M. : Emission reduction and economic effects of using eco-friendly chemicals in printing, 11. The international conference Engineering of Environment Protection, Bratislava: Slovak University of Technology in Bratislava, faculty of Mechanical Engineering, 14-16 Jun, 2011, pp. 143-148, ISBN 978-80.227-3519-3
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  12. Maoduš N., Vujić G., Ubavin D., Beronja B. : LFG collection system-Novi Sad case study, 1. International conference "Ecology of urban areas 2011", Zrenjanin, 30. Szeptember, 2011, pp. 140-146, ISBN 978-86-7672-145-0
  13. Mihajlov A., Karabas S., Stevanović Čarapina H., Prokić D., Marjanović P. : Tretman mulja iz procesa preciscavanja bunarske vode u Vojvodini, 6. Simpozijum reciklažne tehnologije i održivi razvoj, Soko Banja: Udruženje za tehnologiju vode i sanitarno inženjerstvo, 18-21. Szeptember, 2011, pp. 492-496, ISBN 978-86-80987-86-6
  14. Mihajlović I., Vojinović-Miloradov M., Čepić Z., Stupavski M. : Occurrence of organophosphate flame retardants as the emerging substances in the environment, 4. Ekologija, zdravlje, rad i sport, Banja Luka, 8-10. Szeptember, 2011
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  16. Milovanović D., Đogo M., Miloradov M., Adamović D., Kovačević S., Vojinović-Miloradov M. : Cadastre of Polluters from the Meat Industry in Autonomous Province of Vojvodina, 11. The international conference Engineering of Environment Protection, Bratislava: Slovak University of Technology in Bratislava, faculty of Mechanical Engineering, 14-16 Jun, 2011, pp. 289-294, ISBN 978-80-227-3519-3
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  19. Okuka M., Šenk N., Vojinović-Miloradov M., Radonić (Jakšić) J., Turk Sekulić M. : Molecular structure model for predicting atmospheric distribution of polycyclic aromatic hydrocarbons, 11. The international conference Engineering of Environment Protection, Bratislava: Slovak University of Technology in Bratislava, 14-16 Jun, 2011, pp. 327-332, ISBN 978-80-227-3519-3
  20. Popović Lj., Čosić Đ., Sakulski D., Polovina A. : International insurance model for mitigation of climate-related disasters, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16. Szeptember, 2011, pp. 521-526, ISBN 978-86-7892-341-8
  21. Stanisavljević N., Ubavin D., Batinić B., Vujić G., Jakanović S., Kovačević S. : LFG Potential According to Landfills Inventory in Serbia, 5. PSU-UNS International Conference: Energy and the Environment, Phuket: Prince of Songla University, Faculty of Engineering, 2-3. Maj, 2011
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  29. Vojinović-Miloradov M., Miloradov M., Kovačević S. : Chemical Reactions in Aquatic Phase of Heterogeneous Landfill System, 1. IWA Specialist groundwater conference, belgrade: Institut za vodoprivredu "Jaroslav Černi", 8-10 Septembar, 2011, pp. 383-397, ISBN 978-86-82565-31-4
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  31. Vojinović-Miloradov M., Spanik I., Milovanović D., Miloradov M., Đogo M., Dimkić M. : Good quality of groundwater sources as the challenge for innovative technology, 2. International Conference on Innovative Technologies IN-TECH, Bratislava, 1-3 Septembar, 2011, pp. 384-387, ISBN 978-80-904502-6-4
  32. Vojinović-Miloradov M., Turk Sekulić M., Radonić (Jakšić) J., Kiurski J., Milovanović D., Španik I., Mihajlović I. : Pseudo-Persistent Pollutant in the Environment: Emerging Substances, 17. Int. Symp. on Analytical and Environmental Problems, Szeged: SZAB Kémiai Szakbizottság Analitikai , 19 Septembar, 2011, pp. 180-184, ISBN 978-963-315-066-5
  33. Vukavić T., Vojinović-Miloradov M., Mihajlović I., Turk Sekulić M., Radonić (Jakšić) J. : Concentration levels of POPs in the biotic material in Novi Sad, Serbia, 49. Savetovanje Srpskog hemijskog društva, Kragujevac: Srpsko hemijsko društvo, 13-14 Maj, 2011, pp. 133-136, ISBN 978-86-7132-046-7

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

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2. Čulibrk D., Turk Sekulić M., Čulibrk D., Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Kukić B., Kukić M. : Prediction of gas particle partitioning of polychlorinated biphenyls (PCBs) based on M5' model trees, 12. 12th European Meeting on Environmental Chemistry, Clermont Ferrand: ICCE, 7-10 Decembar, 2011, pp. 101-101
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1. Mihajlov A., Kašanin-Grubin M. : Nauka o životnoj sredini: interdisciplinarni pristup, monografija, Izdavanje monografskog dela podržalo je Ministarstvo za nauku i tehnološki razvoj Republike Srbije ( rešenje br. 451-03-1279/2009 – 02/2 januara 2010. godine), Sremska Kamenica, Univerzitet Edukons, 2011, str. 1-249, ISBN 978-86-87785-27-4

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Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Dimkić M., Milovanović M. : Naslov: Neki elementi globalnog pristupa upravljanju podzemnim vodama Monografija «Upravljanje vodnim resursima Srbije '09», Beograd, Institut za vodoprivredu «Jaroslav Černi», 2011, str. 1-21, ISBN 978-86-82565-24-6
2. Mihajlov A. : Znanja potrebna za zelene poslove i zelenu ekonomiju - analiza iz perspektive integralne zaštite životne sredine, Tematski zbornik UNIVERZITET I ODRZIVI RAZVOJ, Beograd, Fakultet političkih nauka Univerziteta u Beogradu, 2011, str. 87-98, ISBN 978-86-84031-50-3
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1. Grujić S., Mihailović A., Kiurski J., Adamović (Majkić) S., Adamović D. : Noise Level Investigation in Printing Industry in Novi Sad, Serbia, Proceedings of World Academy of Science, Engineering and Technology, 2011, Vol. 7, No 76, pp. 256-258, ISSN 1307-6884
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1. Ćosić Đ., Popov S., Sakulski D., Pavlović A., Palić D. : Importance of Vulnerability in Disaster Risk Management, International Journal of Industrial Engineering and Management - IJIEM, 2011, Vol. 2, No 2, pp. 51-60, ISSN 2217-2661
2. Stevanović Čarapina H., Mihajlov A. : Uticaj otpada na urbano stanovništvo-doprinos uspostavljanja uzrocno-posledicnih veza , "Reciklaža I održivi razvoj" 4(2011)20-28., UDK: UDK:351.777.6;628.4,
3. Šiljegović M., Lukić-Petrović S., Štrbac D. : Analysis of some optical parameters of the glasses of the system Bix(As<sub>2</sub>S<sub>3</sub>)<sub>100-x</sub>, physica status solidi, 2011, No 9, pp. 2709-2712

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Sakulski D., Ćosić Đ. : Poplave i ranjivost građane sredine, 12. Konferencija Savremena građevinska praksa, Andrevlje, 19-20 Maj, 2011, pp. 131-149, ISBN 978-86-7892-324-1
2. Vujić G., Đogo M., Dvornić A., Ubavin D., Miroslavljević Z. : Određivanje parametara za praćenje zagađenja sa divljih i sanitarnih deponija komunalnog otpada, 1. Međunarodna konferencija ,Otpadne vode, komunalni čvrsti otpad i opasan otpad, Niška Banja: Udruženje za tehnologiju vode i sanitarno inženjerstvo, 5-8 April, 2011, pp. 215-220, ISBN 978-86-82931-38-6

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Miroslavljević Z., Vujić G., Ubavin D., Stanisavljević N., Batinić B. : Količina generisanog komunalnog čvrstog otpada sa akcentom na biorazgradive i reciklabilne komponente na teritoriji Južnobačkog Regiona, 6. Simpozijum reciklažne tehnologije i održivi razvoj, Soko Banja: Univerzitet u Beogradu, Tehnički fakultet u Boru, 18-21 Septembar, 2011, pp. 223-229, ISBN 978-86-80987-86-6

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Gvozdenac Urošević B. : Model planiranja razvoja distribuirane kogeneracije i njene integracije u regionalni energetski sistem, Novi Sad, 2011
2. Štrbac D. : Karakterizacija metal-halogenidnih tankih filmova sistema Cu-AsSeylz, 2011

Spisak rezultata M86 - Kritička evaluacija podataka, baza podataka,

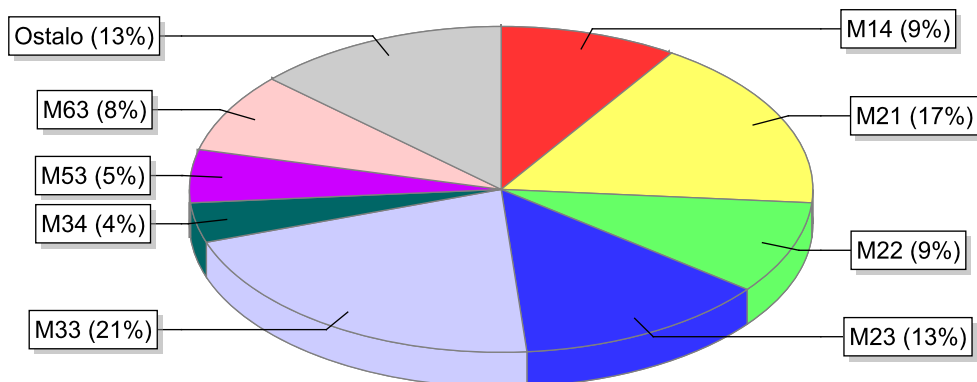
1. Mihajlov A. : Feasibility study: Efficient ways for GHG emissions reduction under post-Kyoto framework, 2011, UDK : [http://www.ekoplan.gov.rs/src/upload-centar/dokumenti/izvestaji/final\\_report\\_ghg\\_emissions\\_projections\\_and\\_reduction\\_measures1.pdf](http://www.ekoplan.gov.rs/src/upload-centar/dokumenti/izvestaji/final_report_ghg_emissions_projections_and_reduction_measures1.pdf)
2. Mihajlov A. : Primena Arhuske konvencije: Strateski akcioni plan za Republiku Srbiju, [http://www.ekoplan.gov.rs/src/upload-centar/dokumenti/razno/strateski\\_akcioni\\_plan.pdf](http://www.ekoplan.gov.rs/src/upload-centar/dokumenti/razno/strateski_akcioni_plan.pdf), 2011

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za opšte discipline u tehnici

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	7
Rad u vrhunskom međunarodnom časopisu	M21	13
Rad u istaknutom međunarodnom časopisu	M22	7
Rad u međunarodnom časopisu	M23	10
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	16
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Monografska bibliografska publikacija	M43	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u naučnom časopisu	M53	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	2

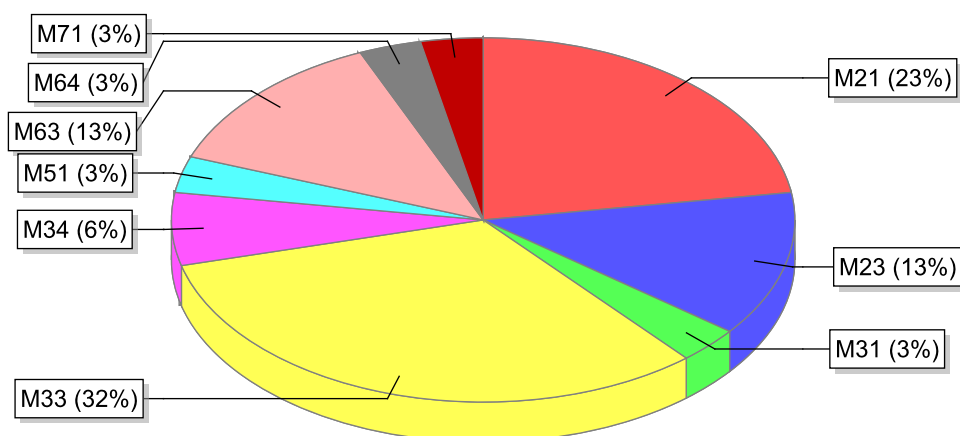


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za matematiku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u međunarodnom časopisu	M23	4
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Grbić T., Štajner-Papuga I., Štrboja M. : An approach to pseudo-integration of set-valued function, *Information Sciences*, 2011, No 181, pp. 2278-2292, ISSN 0020-0255
2. Janev M., Konjović Z., Pilipović S., Atanacković T., Pap E., Obradović R., Ralević N., Ralević N. : Fully fractional anisotropic diffusion for image denoising, *MATH COMPUT MODEL*, 2011, Vol. 54, No 1-2, pp. 729-741, ISSN 0895-7177
3. Lukić T., Lindblad J., Sladoje N. : Regularized Image Denoising Based on Spectral Gradient Optimization, *Inverse Problems*, 2011, Vol. 27, No 8, pp. 8501-1, ISSN 0266-5611
4. Mihailović B., Pap E. : Asymmetric integral as a limit of generated Choquet integrals based on absolutely monotone real set functions, *Fuzzy Sets and Systems*, 2011, Vol. 181, No 1, pp. 39-49, ISSN 0165-0114
5. Obradović Đ., Konjović Z., Pap E., Ralević N. : The Maximal Distance between Imprecise Point Objects, *Fuzzy Sets and Systems*, 2011, Vol. 170, No 1, pp. 76-94, ISSN 0165-0114, UDK: 10.1016/j.fss.2010.12.005
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7. Stojaković M. : Imprecise set and fuzzy valued probability, , *Journal of computational and applied mathematics*, 2011, Vol. 235, pp. 4524-4531, ISSN 0377-0427

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Lukić T. : Discrete Tomography Reconstruction Based on the Multi-well Potential, *Lecture Notes in Computer Science*, 2011, Vol. 9912, pp. 335-345
2. Malmberg F., Lindblad J., Sladoje N., Nystrom I. : A graph-based framework for sub-pixel image segmentation, *Theoretical Computer Science*, 2011, Vol. 412, No 15, pp. 1338-1349
3. Mihailović A., Grujić S., Kiurski J., Krstić J., Oros I., Kovačević I. : Occupational noise in printing companies, *Environmental Monitoring and Assessment*, 2011, Vol. 181, No 1-4, pp. 111-122, ISSN 1573-2959 (Online), UDK: DOI: 10.1007/s10661-010-1817-5
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### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Čolić J., Machida H., Pantović J. : Maximal hyperclones determined by monotone operations, 41. International Symposium on Multiple-Valued Logic, Tuusula: IEEE CS, 23-25 Maj, 2011
2. Dražić S., Lindblad J., Sladoje N. : Precise Estimation of the Projection of a Shape from a Pixel Coverage Representation, 7. International Symposium on Image and Signal Processing and Analysis, Dubrovnik: IEEE Society, 4-6 Septembar, 2011, pp. 569-574
3. Kalina M., Manzi M., Mihailović B. : T-supermodularity of Choquet integrals, 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011, pp. 71-74, ISBN 978-1-4577-1973-8
4. Kiurski J., Adamović (Majkić) S., Krstić J., Oros I., Kovačević I., Mihailović A., Grujić S. : Removal of Cu(II) ion from waste printing developer, 19. XIX International Scientific and Professional Meeting "ECOLOGICAL TRUTH" ECO-IST 11, Bor: University of Belgrade, technical Faculty Bor, 1-4 Jun, 2011, pp. 103-109, ISBN 978-86-80987-84-2
5. Mihailović A., Grujić S., Kiurski J., Krstić J., Oros I., Kovačević I. : Characteristics of noise in printing facilities and its relevance to the workers health, 19. XIX International Scientific and Professional Meeting "ECOLOGICAL TRUTH" ECO-IST 11, Bor: University of Belgrade, Technical Faculty Bor, 1-4 Jun, 2011, pp. 629-635, ISBN 978-86-80987-84-2
6. Mihailović B., Manzi M. : On the asymmetric Shilkret-like integral, Proceedings of AGOP2011, 6. International Summer School on Aggregation Operators, Benevento, 11-15 Jul, 2011, pp. 73-77, ISBN 978-1-4477-7019-0



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9. Štrboja M., Grbić T., Grujić G., Mihailović B., Medić S. : Chebyshev Type Inequalities for Pseudo-Integrals of Set-Valued Functions , 9. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 8-10 Septembar, 2011, pp. 79-84, ISBN 978-1-4577-1973-8
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2. Kiurski J., Oros I., Ralević N., Kovačević I., Krstić J., Adamović (Majkić) S. : Multivariate statistical interpretation of fountain solution as indicator of environmental pollution, 19. International Conference on Environmental Indicators, Haifa: Technion, Grand Water Research Institute (GWIR), 11-14 Septembar, 2011, pp. 65-67

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

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2. Katić V., Kolaković S., Hodolić J., Čosić I., Kovačević I. : Prednosti i nedostaci primene statističkog metoda ocenjivanja, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 181-184, ISBN 978-86-7892-323-4
3. Kovačević I., Čosić I., Katić V., Kolaković S., Hodolić J. : Efekti Bolonjskog procesa 2020, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 27-29, ISBN 978-86-7892-323-4
4. Simeunović N., Vukelić Đ., Nešković I., Kovačević I., Hodolić J. : Kontinualno obrazovanje na FTN u kontekstu celoživotnog učenja, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 253-256, ISBN 978-86-7892-323-4

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Hodolić J., Čosić I., Kovačević I., Katić V., Schwarczova H., Vrebalov V. : Vyznam akreditacie vedecko-vyskumnej prace pre univerzitny vzdelavaci proces v Srbsku, 1. Slovenska Ekonomika myty a fakty o realite - SEMAFOR 2011, Košice, 6-7 Oktobar, 2011, ISBN 978-80-225-3262-4

Spisak rezultata M71 - Odbranjena doktorska disertacija

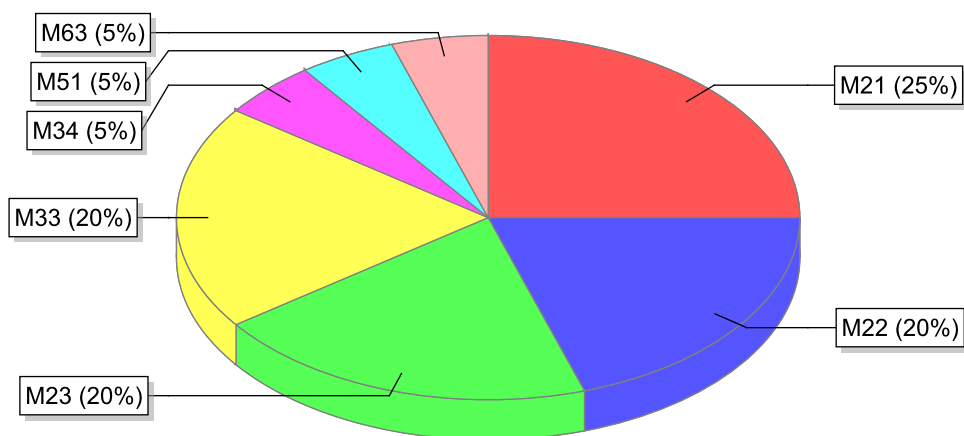
1. Lukić T. : Regularizovani problemi u obradi slika, Novi Sad, 2011

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za fiziku

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	5
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Budinski-Petković Lj., Lončarević I., Jakšić Z., Vrhovac S., Švrakić N. : Simulation study of anisotropic random sequential adsorption of extended objects on a triangular lattice, *Physical Review E*, 2011, Vol. 84, No 5, pp. 5160-1
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3. Sekulić D., Satarić B., Tuszynski J., Satarić M. : Nonlinear Ionic Pulses along Microtubules, *The European Physical Journal E*, 2011, Vol. 34, No 5, ISSN 1292-8941
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### Spisak rezultata M23 - Rad u međunarodnom časopisu

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2. Satarić M., Dragić M., Sekulić D. : From Giant Ocean Solitons to Cellular Ionic Nano-Solitons, *Romanian Reports in Physics*, 2011, Vol. 63, No. 3, pp. 624-640, ISSN 1221-1451
3. Živković S., Jakšić Z., Arsenović D., Budinski-Petković Lj., Vrhovac S. : Structural characterization and statistical properties of two-dimensional systems during the copaction, *Acta Physica Polonica A*, 2011, Vol. 13, No 4, pp. 493-502, ISSN 0587-4246
4. Živković S., Jakšić Z., Arsenović D., Budinski-Petković Lj., Vrhovac S. : Structural characterization of two-dimensional granular systems during the compaction, *Granular Matter*, 2011, Vol. 120, No 2, pp. 246-251, ISSN 1434-5021

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

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2. Kiurski J., Adamović (Majkić) S., Krstić J., Oros I., Kovačević I., Mihailović A., Grujić S. : Removal of Cu(II) ion from waste printing developer, 19. XIX International Scientific and Professional Meeting "ECOLOGICAL TRUTH" ECO-IST 11, Bor: University of Belgrade, technical Faculty Bor, 1-4 Jun, 2011, pp. 103-109, ISBN 978-86-80987-84-2
3. Kiurski J., Krstić J., Oros I., Adamović (Majkić) S., Turk Sekulić M., Mihailović A., Đogo M. : Emission reduction and economic effects of using eco-friendly chemicals in printing, 11. The international conference Engineering of Environment Protection, Bratislava: Slovak University of Technology in Bratislava, faculty of Mechanical Engineering, 14-16 Jun, 2011, pp. 143-148, ISBN 978-80.227-3519-3
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Kiurski J., Aksentijević S., Vojinović-Miloradov M., Vučinić-Vasić M. : Regression model of arsenic distribution in water/sediment system of Sevojno, 21. SETAC Europe 21st Annual Meeting, Milano: Society of Environmental Toxicology and Chemistry Europe, 15-19 Maj, 2011, pp. 129-129

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

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Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

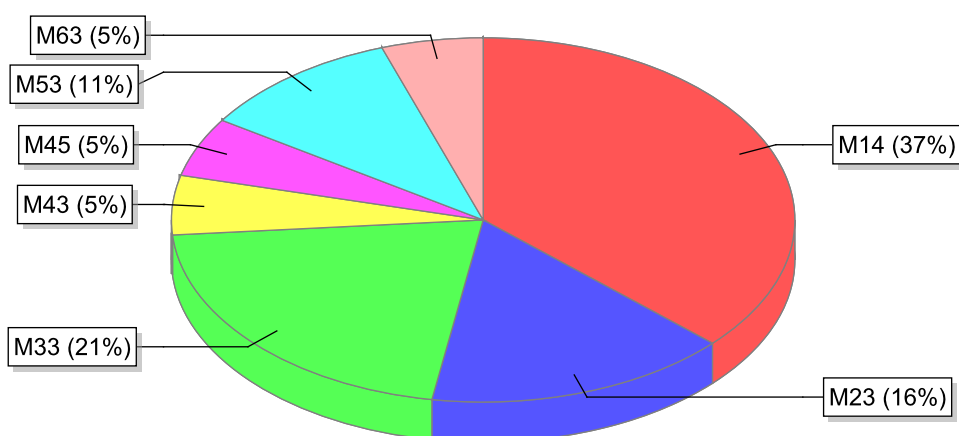
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za društvene nauke

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	7
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Monografska bibliografska publikacija	M43	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Lošonc (Losoncz) A. : 1. Spirituality motivation in management, in: Spirituality and ethics in management, ed. L. Zsolnai, 2011, Kluwer Academic Publishers, Issues in Business Ethics, Dordrecht, Boston, London, 75-95, ISBN 1-4020-2364-2 (HB)., Kluwer Academic Publishers, Issues in Business Ethics, Dordrecht, Boston, London,, 2011, str. 75-95, ISBN SBN 1-4020-2364-2 (H, UDK: SBN 1-4020-2364-2 (HB).
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4. Lošonc (Losoncz) A. : 2. Global political economy from the Canadian perspective, in: (Re)connecting through diversity: Canadian perspectives, 2011, 101-111, Beograd, ISBN 978-86-7747-429-4.Megatrend., Megatrend, , 2011, str. 101-111, ISBN ISBN 978-86-7747-429, UDK: ISBN 978-86-7747-429-4.
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6. Lošonc (Losoncz) A. : 4. Konstitucionalni odnosi većine i manjine, in: USTAV I DEMOKRATIJA U PROCESU TRANSFORMACIJE, Beograd, 2011.,75-93, Uredio: Prof. dr Milan Podunavac, ISBN 978-86-84031-52-7, COBISS.SR-ID 188358668. , Univerzitet u Beogradu - Fakultet političkih nauka Udruženje za političke nauke Srbije, 2011, str. 75-93, ISBN ISBN 978-86-84031-52, UDK: ISBN 978-86-84031-52-7, COBISS.SR-ID 188358668.
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### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Lošonc (Losoncz) A. : Capital as Power: A Study of Order and Creorder by Jonathan Nitzan and Shimshon Bichler, PANOECOMICUS., 2011, Vol. 58, No 1, pp. 135-141, ISSN ISSN 1452-595 x
2. Šafran J. : Reflections of English Language Teachers Concerning Computer Assisted Language Learning (Call), The New Educational Review, 2011, Vol. 23, No 1, pp. 269-283, ISSN 1732-6729
3. Šafran J. : Using Internet in English Language Teaching, The New Educational Review, 2011, Vol. 26, No 4, pp. 45-59, ISSN 1732-6729

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bogdanović V. : Književni i stručni tekstovi - uticaj žanra na nastavu jezika struke, 2. Jezik struke: izazovi i perspektive, Beograd: Društvo za strane jezike i književnosti Srbije, 4-5 Februar, 2011, pp. 425-433, ISBN 978-86-915141-0-5, UDK: 371.671:82
2. Katić M. : Master and Doctoral Thesis Writing for Students of Engineering, 2. Jezik struke: izazovi i perspektive, Beograd: Filozofski fakultet u Beogradu, 4-5 Februar, 2011, pp. 902-911, ISBN 978-86-915141-0-5
3. Katić M. : The Need for the Incorporation of "Soft Skills" into the Curriculum of Engineering Studies, 5. PSU-UNS International Conference on Engineering and Technology - ICET, Phuket, 2-3 Maj, 2011
4. Mirović I., Ličen B., Bogdanović V. : Summarization Skills of Engineering Students Reading in a Second Language, 2. Jezik struke: izazovi i perspektive, Beograd: Društvo za strane jezike i književnosti Srbije, 4-5 Februar, 2011, pp. 291-299, ISBN 978-86-915141-0-5, UDK: 811.111'276.6:621.3

### Spisak rezultata M43 - Monografska bibliografska publikacija

1. Lošonc (Losoncz) A. : 10. Prekrižena praksa, in: Filozofija prakse (prir. Nenad Daković), Beograd, Dom omladine, 2011, 313-345, COBISS.SR-ID 182421004, SBN 978-86-7698-024-6., Dom omladine., 2011, str. 313-345, ISBN COBISS.SR-ID 1824210, UDK: COBISS.SR-ID 182421004, SBN 978-86-7698-024-6.

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Josifidis K., Lošonc (Losoncz) A., Supić N., Beker Pucar E. : Država blagostanja i evropske integracije: usklađenost i/ili isključivost. Tematski zbornik: Balkan i EU, Beograd, Centar za ekonomska istraživanja Instituta društvenih nauka, 2011, str. 66-77, ISBN 978-86-7093-137-4

Spisak rezultata M53 - Rad u naučnom časopisu

1. Ličen B., Bogdanović V. : Preispitivanje istorijskog konteksta u Barnsovom romanu Floberov papagaj, Sveske, 2011, No 100, pp. 69-77, ISSN 1451-9976, UDK: 821.111.09-31 Barns Dž.
2. Lošonc (Losoncz) A. : Economics: Science or metaphysics: A few methodological messages, PANOECOMICUS,, 2011, pp. 399-402, ISSN ISSN 1452-595 x, UDK: 33

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

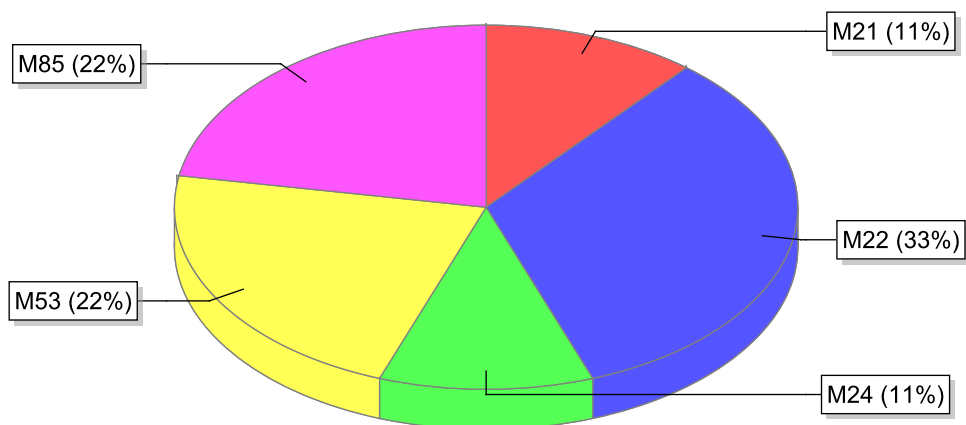
1. Brkljač N., Milisavljević S., Mitrović S., Lošonc (Losoncz) A. : Problem opasnog otpada kao ekološki segment krize u Srbiji, 1. Socijalni identitet u uslovima krize: problemi i rešenja, Novi Sad: Univerzitet u Novom Sadu - Fakultet tehničkih nauka, 5 Novembar, 2011, pp. 123-131, ISBN 978-86-7892-358-6

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za animaciju u inženjerstvu

Zbirni pregled naučno istraživačkih rezultata u 2011. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Rad u naučnom časopisu	M53	2
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	2





## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Janev M., Pilipović S., Atanacković T., Obradović R., Ralević N. : Fully fractional anisotropic diffusion for image denoising, MATH COMPUT MODEL, 2011, Vol. 54, No 1-2, pp. 729-741, ISSN 0895-7177

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Janev M., Atanacković T., Pilipović S., Obradović R. : Image denoising by a direct variational minimization, EURASIP J ADV SIG PR, 2011, No 8, pp. 1-15, ISSN 1687-6172
2. Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V. : Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991
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### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

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### Spisak rezultata M53 - Rad u naučnom časopisu

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2. Milisavljević M., Obradović R. : GENERISANJE JEDNOSTAVNIH 2D KOMPJUTERSKIH IGARA, Zbornik radova Fakulteta tehničkih nauka, 2011, Vol. 2011, No 4, pp. 954-957, ISSN 0350-428X

### Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

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2. Obradović R., Vujanović M., Knežević B., Nikolić I., Kuzmanović N. : animacija Alea lacta Est, trajanje 5 minuta 34 sekunde <http://www.racunarska-grafika.com/kratki-filmovi> , 2011

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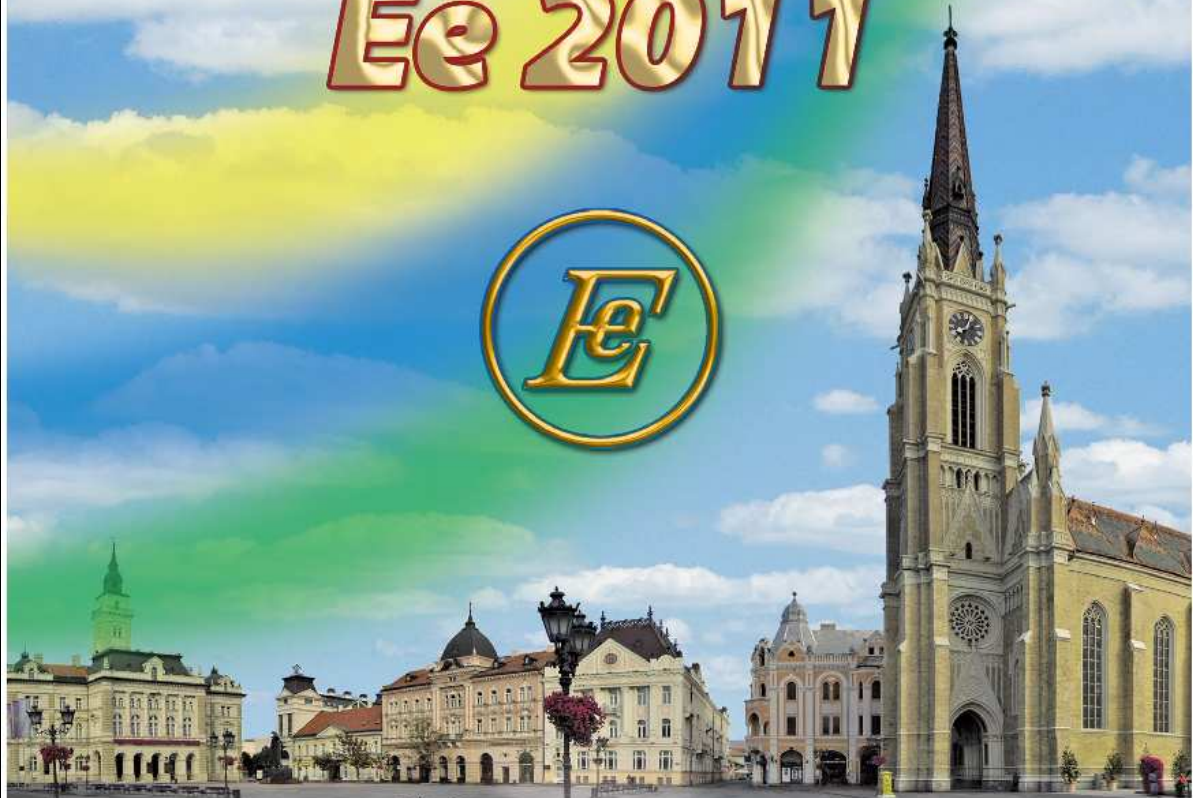
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## Doc. dr Antić, Aco

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- Kosec G., Nagode A., Budak I., Antić A., Kosec B. : Failure of the pinion from the drive of a cement mill, *ENG FAIL ANAL*, 2011, Vol. 18, pp. 450-454, ISSN 1350-6307 (M22)
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## Mr Agarski, Boris

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## Dr Baloš, Sebastian

- Baloš S., Arlan B., Alan P. : Roman mystery iron blades from Serbia , *Materials Characterization*, 2009, Vol. 60, Broj 4, str. 271-276, ISSN 1044-5803 (M21)
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- Baloš S., Baloš T., Šiđanin (Sidjanin) L., Marković D., Pilić B., Pavličević J. : Flexural and impact strength of microwave treated autopolymerized poly(methyl-methacrylate), *Materiale Plastice*, 2009, Vol. 46, Broj 3, str. 261-265, ISSN 0025-5289 (M23)
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