



УНИВЕРЗИТЕТ „СВ. КИРИЛ И МЕТОДИЈ“
СКОПЈЕ



ФАКУЛТЕТ ЗА ЕЛЕКТРОТЕХНИКА
И ИНФОРМАЦИСКИ ТЕХНОЛОГИИ

ПРИЛОГ 8

**Научноистражувачки проекти на професорите
ангажирани во реализацијата на студиската програма од
трет циклус на студии-докторски студии по метрологија**

Прилог 8. Научно истражувачки проекти

НАУЧНОИСТРАЖУВАЧКИ ПРОЕКТИ КОИ СЕ РЕАЛИЗИРАНИ ИЛИ СЕ ВО ТЕК НА РЕАЛИЗАЦИЈА, А ВО КОИ СЕ ВКЛУЧЕНИ ПРОФЕСОРИТЕ АНГАЖИРАНИ ВО РЕАЛИЗАЦИЈАТА НА СТУДИСКАТА ПРОГРАМА

Учество во научно-истражувачки национални и меѓународни проекти (до пет)			
Ред. број	Автори	Наслов	Издавач / година
1.	Љ. Арсов, Б. Ханџиски, М. Чундева-Блајер, М. Јуруковска, Р. Бојковска	"Развој на методи и постапки за мерење, калибрација и процена на неодреденоста на електромагнетни големини"- Завршен извештај на тригодишен научно-истражувачки проект	ФЕИТ/МОН/2009
2.	Љ. Arsov, К. Тодоровски М. Чундева-Блајер,	"Подобрување на технологијата, технолошкиот процес и воведување на нови типови енергетски кабли", Завршен извештај за едногодишен истражувачко-развоен проект	ФЕИТ/Фабрика за кабли Зденка/МОН/2010
3.	Љ. Арсов, М. Чундева-Блајер, В. Стамболиев, Г. Стамболиев	"Развој на нов производ-Електронско броило со ЛЦД со часовник со 4 тарифи, модем 220В и оптичка врска" Завршен извештај за едногодишен истражувачко-развоен проект	ФЕИТ/Енергетика-ВДС/МОН/2008
4.	М. Чундева-Блајер, Љ. Арсов, С. Деловски	"Развој на нов производ-Софтвер за лабораториски менаџмент и обезбедување на квалитет" Завршен извештај за едногодишен истражувачко-развоен проект	ФЕИТ/СИМТ/МОН/2010
5.	М. Чундева-Блајер, Р. Малариќ, Љ. Арсов, С. Чундева	"Метролошки истражувања и развој на методи и постапки за мерење електромагнетни големини", Завршен извештај на двогодишен меѓународен научно-истражувачки проект	ФЕИТ/ФЕР/МОН
6.	Л. Грчев (Раководител)	ELISE – University Network for Academic Training in EE&IT in South-Eastern Europe (SEE)	oint German-South-Eastern European Network Project, DAAD, Germany, 2009
7.	Л. Грчев (Главен истражувач)	Large-scale modeling for safety and quality in future efficient power systems using parallel computing techniques	Кинеско-Македонски заеднички научно-истражувачки проект, бр. 14-3155/1-17.12.2007, 2007-2009
8.	Л. Грчев (Раководител)	Upgrading the research capacities for safety and health effects of human exposure to electromagnetic fields	EU FP6 SAFE EMF, INCO-CT-2007-043638, 2007-2009
9.	Л. Грчев (Главен истражувач)	Electromagnetic modelling of transient phenomena	ECONET France, co University Blaise Pascal, Clermont-Ferrant, France, и Универзитет во Сплит, Хрватска, 2006-2007.
10.	Л. Грчев (Главен истражувач)	Integration and integrity of electrical systems in vehicles	French – Macedonian Joint Program, Grant no. 08219 NC, University Blaise Pascal, Clermont-Ferrant, France, 2004-2005.
11.	М. Станковски (Главен истражувач), Т. Колемишевска-Гугуловска	On-line надзор и дијагностицирање на грешки во индустриски системи	Билатерален македонско-словенечки научноистражувачки проект, 2007-2008.

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12.	М. Станковски	Интегрирани дворамнишни управувачки системи со децентрализирано управување за меѓуповрзани објекти	ФЕИТ, 1999-2002
13.	М. Станковски	Develop Control Kits for School Projects	Проект финансиран од USAID, 2008
14.	М. Станковски	Develop Computer Control Kits for Vocational School	Проект финансиран од USAID, 2009-2010
15.	Татјана Колемишевска-Гугуловска (главен истражувач), Миле Станковски (истражувач),	Development of Education and Training Courses for Control Engineers in Macedonian Industry	Проект финансиран од Центарот за трансфер на технологии, GTZ – Скопје 2003
16.	Аристотел Тентов (истражувач) и други (раководител Томе Бошевски)	Дешифрирање на средниот текст на каменот од Розета	МАНУ, 2003-2005
17.	Аристотел Тентов (истражувач) и други (раководител Јосиф Косев)	Embedded System Design	DAAD, 2009, 2010
18.	Л. Гавриловска (раководител)	"QUASAR", FP7, ICT-248303, "Quantitative Assessment of Secondary Spectrum Access"	FP7, 2010-2012
19.	Л. Гавриловска (раководител)	"FARAMIR", FP7, ICT-248351, "Flexible and spectrum-Aware Radio Access through Measurements and modeling In cognitive Radio systems"	FP7, 2010-2012
20.	Л. Гавриловска (раководител)	"ARAGORN", FP7, ICT-216856, "Adaptive Reconfigurable Access and Generic interfaces for Optimisation in Radio Networks"	FP7, 2008-2010
21.	Л. Гавриловска (раководител)	"ProSense", FP7, ICT-205494, "Promote, Mobilize, Reinforce and Integrate Wireless Sensor Networking Research and Researchers: Towards Pervasive Networking of WBC and the EU"	FP7, 2008-2010
22.	Л. Гавриловска (раководител)	"RIWCoS", NATO SfP-982469, "Reconfigurable Interoperability of Wireless Communications Systems"	NATO, 2007-2010
23.	Љ. Арсов, М. Чундева-Блајер, et. al.	Развој на методи и еталони за калибрација на електрични големини	Двогодишен научноистражувачки проект ФЕИТ-Скопје (2010-2012)
24.	М. Чундева-Блајер, Љ. Арсов, et. al.	Истражување на модели и нумерички методи во метрологијата	Двогодишен научноистражувачки проект ФЕИТ-Скопје (2010-2012)
25.	М. Чундева-Блајер, Љ. Арсов, С. Деловски	Развој на нов производ: Софтверски пакет за управување со лаборатории и обезбедување квалитет-ЛИС	развојноистражувачки проект финансиран од МОН на РМ (ФЕИТ-Скопје во соработка со СИМТ-Скопје), 2009-2010
26.	Љ. Арсов, Б. Ханџиски, М. Чундева-Блајер, М. Јурукоска, Р. Бојковска	Развој на методи и постапки за мерење, калибрација и оценка на неодреденоста на електромагнетни големини	научноистражувачки проект финансиран од МОН на РМ, 2006-2009
27.	М. Cundeva-Blajer, R. Malaric, L. Arsov, S. Cundeva et. al.	Metrological Research and Development of Methods and Procedures for Measurement of Electromagnetic Quantities	Двогодишен научноистражувачки проект (билатерален со Р. Хрватска, FEIT-Skopje in co-operation with FER-Zagreb) financed by the Ministry of Education and Science of R. Macedonia and the Ministry of Science, Education

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			and Sports of R. Croatia, 2007-2009
28.	С. Чундева (главен истражувач) и други:	Имунитет на опремата и инсталациите на напонски пропади, научноистражувачки проект 01.01.2011 – 30.06.2012	Научно истражувачки проект финансиран од Факултет за електротехника и информациски технологии Скопје, 2009-2011
29.	С. Чундева (учесник истражувач)	Joint project for collaboration of the departments of theoretical electrical engineering of the Technische Universitaet Ilmenau and of universities in South Eastern Europe	Меѓународен проект Stability Pact for South Eastern Europe финансиран од Германија 2008 - 2012
30.	С. Чундева (учесник истражувач, претставник од ЈИ Европа), раководител Math Bollen	Power Quality, UIE working group 2	Project funded by International Union for Electricity Applications, 2009-2012
31.	С. Чундева (учесник истражувач), раководител академик Лео Грчев	Upgrading the research capacities for safety and health effects of human exposure to electromagnetic fields	SAFE-EMF, Project No. INCO-CT-2007-043638
32.	С. Чундева (учесник, локален модул координатор), раководител Власто Гламочанин	South East Europe Continuing Education Network	TEMPUS CD_JEP_41154_2006
33.	T. Stafilov (principal investigator) et. al.	Development of methods for chemical characterization of antioxidant and toxic substances in environmental and food samples,.	Ministry of Education and Science of R. Macedonia, Skopje, 2010-2012
34.	T. Stafilov et. al.	Implementation and ratification of protocol on heavy metals, protocol on POPs and Gothenburg Protocol – First phase, Part for PCDDs, PCDFs, PAHs and HCB	Ministry of Environment and Physical Planning, Skopje, 2009-2010.
35.	T. Stafilov et. al.	Air pollution and vegetation, ICP Vegetation Programme Coordination Centre, Centre for Ecology & Hydrology,	Natural Environment Research Council, Bangor, UK, 2000-2008.
36.	T. Stafilov et. al.	Evaluation of the research capacity and development of a strategy for further growth in chemistry in general and in food science in particular, SWOT-CHEMISTRY-FOOD,	FP7-REGPOT-2008-2, No. 229627, 2008-2009.
37.	T. Stafilov et. al.	Reinforcement of the WBC research capacities for food quality characterization	FP7, 2008-2011.
38.	A. Dimitrov et. al.	Reducing Fuel Consumption and Air Pollution of Industrial Furnaces by High Efficiency Pebble Heaters and Fluid-Dynamical Valve	European Commission, ICA2-2002-10004, Inco Kopernicus programme (2002-2009)
39.	A. Dimitrov et. al.	Integrated treatment of industrial wastes towards prevention of regional water resources contamination (INTREAT)	European Commission, PL-509167, within the 6th Framework programme (2004-2007)
40.	A. Dimitrov et. al.	Strategic plan for prevention of	European Commission, PL-

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		regional water resources contamination from mining and metallurgical industries in Western Balkan countries (PREWARC),	517574, within the 6th Framework programme (2006-2008)
41.	A. Dimitrov et. al.	Improving Academia-Industry Links in Food Safety and Quality	European Commision, 158714-TEMPUS-1-2009-1-ES-TEMPUS-JPHES, (2010-2012)
42.	A. Dimitrov et. al.	Study of morphology of metal deposits produced by electrorefining in modified conditions	Ministry for Education and Science of R. Macedonia, 2004-2006,
43.	I. Kuzmanovski et. al.	Computer design, synthesis and biological evaluation of new heterocyclic compounds – potential tumorogenesis inhibitors	Ministry of Science and Technological Development of Serbia (2011-2013)
44.	I. Kuzmanovski et. al.	Chemical characterization of wild growing medicinal and aromatic plants of the Lamiaceae family and evaluation of the possibilities for their cultivation	Bulgarian-Macedonian Intergovernmental S&T Cooperation (2005–2007)
45.	I. Kuzmanovski et. al.	Integrated Biomimetic Approach to Asymmetric Catalysis	6th Framework Programme (Participation in the period: 2006–2007)
46.	I. Kuzmanovski et. al.	Reinforcement of the Research Capacities of the Spectroscopy Laboratory for Archaeometry	6th Framework Programme (04.2007–04.2009)
47.	I. Kuzmanovski et. al.	Development of new chemometric methods for quantitative structure-activity studies	Slovenian-Macedonian Inter-governmental S&T Cooperation (2007–2009) – principal investigator
48.	Д. Давчев (раководител)	3D Content Generation and Presentation in MPEG4	Macedonian-France Joint Project, financially supported by Ministry of Science -Egide (France) and Ministry of Education and Science of R.Macedonia, 2004-2006
49.	Д. Давчев (раководител)	Bioengineering research and education	Joint project between Italy and Balkans Region Countries, financially supported by the Ministry of Science of Italy, 2005-2006
50.	Д. Давчев (раководител)	Wavelet based indexing and retrieval of 3D objects	Macedonian-France Joint Project, financially supported by Ministry of Science -Egide (France) and Ministry of Education and Science of R.Macedonia, 2006-2008
51.	Д. Давчев (раководител)	TEMPUS project JEP_41038_2006, ECOSYSTEM INFORMATICS Development of Postgraduate Curriculum, (with partners from Germany, Spain, Greece, Slovenia)	TEMPUS, 2007 – 2009
52.	Д. Давчев (раководител)	TEMPUS project JEP_41047_2006-2009 Video-Conferencing as a part of Distance Learning Environment, (with partners from Italy, Hungary, Belgium and WBC)	TEMPUS, 2006 – 2009
53.	Lj. Arsov, A. Grnarov et. al.	Creation of the Thirrd Cysle of Studies- Doctoral Studies in Metrology,	EU TEMPUS/2009-2012
54.	A. Grnarov et. al.	Master Studies-Systems on Chip	EU TEMPUS/2007-2009
55.	Malarić, Roman; Ćundeva-	Development of research of	roatian macedonian bilateral

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	Blajer, Marija et. al.	measurement methods of electromagnetic quantities'	project: 2007-2008
56.	Ekukille-Lay, Aime, Malarić, Roman et. al.	Extracting electric energy from human body for supplying autonomous biomedical devices and new PVDF transducer optimization	croatian-italian bilateral project 2010-2011
57.	Malarić, Roman	Creation of third cycle doctoral studies in metrology	TEMPUS-158599; local coordinator, University of Zagreb 2010-2012
58.	R. Malaric et. al.	Internet enabled measurement and calibration	Croatian ministry of science and technology 036-0363081-1648, 2007-2011
59.	R. Malaric et. al.	Laboratory for electromagnetic compatibility	Croatian ministry of science and technology 036-0361566-1569, 2007-2011
60.	D. Simunic et. al.	EMFNET: "Effects of the Exposure to Electromagnetic Fields: from Science to Public Health and Safer Workplace",	FP6/2004-2008
61.	D. Simunic et. al.	Efficiency of Wireless Communications Systems	Ministry of Science of Republic of Croatia
62.	D. Simunic et. al.	Emerging EMF Technologies and Health Risk Management	COST BM 0704
63.	D. Simunic et. al.	Cognitive Radio and Networking for Cooperative Coexistence of Heterogeneous Wireless Networks	COST IC0902
64.	D. Simunic et. al.	Research Laboratory for Wireless Data and Dosimetry	Ministry of Science of Republic of Croatia/2001-2006
65.	M. Cifrek et. al.	Noninvasive measurements and procedures in biomedicine	Ministry of Science, Education and Sports of the Republic of Croatia 2007-2011
66.	M. Cifrek et. al.	Neurophysiology of movement investigated by evoked potential methods	Ministry of Science, Education and Sports of the Republic of Croatia, 2007-2011
67.	D. Zvizdic, L. Grgec Bermanec et. al.	Development of National Temperature Standard –national	Croatian scientific project: 2007-2012
68.	D. Zvizdic, L. Grgec Bermanec et. al.	EURAMET Projects No. 1125, - international	Euramet 2007-2008
69.	Boršić, Mladen; Knežević, Petar; Ilić, Damir; Kilić, Tomislav; et. al.	Distribute Remote Laboratory	national on-going scientific project (2007-2011)
70.	Kovač, Nikša; Poljak, Dragan; Kilić, Tomislav; et. al.	Modeling and Environmental Aspects of ELF Electromagnetic Fields	national on-going scientific project (2007-2011)
71.	L. Arsov, T. Kilic et. al,	Creation of third cycle doctoral studies in metrology	TEMPUS-158599; local coordinator, University of Split 2010-2012
72.	Jadrić, Martin; Terzić, Božo; Marin, Despalatović; Goran Petrović, Goran, Majić	On-Line Estimation of Synchronous Generator Parameters,	national on-going scientific project (2007-2011)
73.	L. Arsov, T. Kilic, G. Petrovic, et. al.	Creation of third cycle doctoral studies in metrology	TEMPUS-158599; University of Split 2010-2012
74.	I. Limani et. al.	"Creation of the Third Cycle Studies-Doctoral Studies in Metrology"	EU TEMPUS IV Jount Multicountry Project, 2010-2012
75.	I. Limani, A. Pajaziti, et al.	"Development of Interdisciplinary Master Study Program in Mechatronics	WUS Austria, 2009-2011
76.	I. Limani, L. Kurtaj	Design and implementation of labs for automatic control	FECE, Prishtina, 2007
77.	M. Limani, I. Limani, E.	Enhancing Telecommunications	Collaborative Partnerships –

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	Hamiti	Education In Kosovo	Kosovo, University Of Prishtina Faculty Of Electrical Engineering And Computer Sciences – University Of Pittsburgh, USA- Supported By USAID, 2008- 2011
78.	P. Ripka et. al.	Space magnetometer	2011-2014 TACR project
79.	P. Ripka et. al.	ISP-1 (new generation of propulsion motor for space)	2009-2011 FP-7 project
80.	P. Ripka et. al.	“Intelligent buildings”	2009-2011 OPPA project
81.	P. Ripka et. al.	“Fluxgate effect in thin films”	2008-2010 GACR project
82.	P. Ripka et. al.	“Determination of Stomach Volume for Active Gastric Electrical Stimulation”	2005-2007 Czech-US research project
83.	R. Smid et. al.	Characterization of morphological reactions of organ cultures by means of wavelet transform based correlation and cepstral analysis	GACR GP102/01/D086 2008- 2011
84.	R. Smid et. al.	Research of Methods and Systems for Measurement of Physical Quantities and Measured Data Processing	MSM6840770015 project
85.	R. Smid et. al.	Transdisciplinary Biomedical Engineering Research	MSM6840770013
86.	R. Smid et. al.	Advanced Measurements in Mobile Networks	GACR 102/01/1355
87.	R. Smid et. al.	Modular Courses on Modern Sensors	EU Leonardo da Vinci project
88.	L. Arsov, Di Barba; et. al.	TEMPUS-158599 “Creation of the Third Cycle of Studies-Doctoral Studies in Metrology”	European project funded by the EC EACEA, 2010-2013
89.	Di Barba; et. al.	Inverse problem and optimization methods in electricity and magnetism	Research Project 2011-2013
90.	Di Barba; et. al.	Computer-aided analysis and synthesis of electromechanical devices	Research Project 2010-2012
91.	Di Barba; et. al.	Finite elements in electromagnetism	Research Project 2010-2012
92.	Di Barba; et. al.	Electrical models of neurophysiological phenomena	Research Project 2010-2012
93.	F. Arcega	Test and development of equipment for popularization of scientific and technological knowledge	continuous open contract financed by ESCIENCIA (Eentos Científicos S. L.) started in 2008 and being active now
94.	F. Arcega et al.	Design and development of a control system for thermostatic bathroom	four-year scientific research contract financed by Griferías Grober S. L. (2008-2011)
95.	M. A. Martin, F. Arcega et al.	Analisis of the habilities demanded by the students of technical degrees	one-year scientific project financed by the Spanish Ministry of Education and Science EA2007-0182 in co-operation with other Spanish universities (2007)
96.	F. Arcega et. al.	Design, Construction and Tests of a Permanent Magnet Sincronous Motor	three-year scientific research contract financed by DYNATECH (Dynamics and Technology S. L.) in co-operation with Bilbao university (2008-2010)
97.	F. Arcega et. al.	Innovation in a software of R&D project management	one-year scientific research contract financed by IMPROX (Estudio de Ingeniería S. L.)

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			(2008-2010)
98.	M. Schilling, F. Ludwig	NAMDIATREAM – Nanotechnological toolkits for multi-modal disease diagnostics and treatment monitoring	Namdiatream No. 246479/FP7-NMP-2009-LARGE-3 (2010-2014)
99.	M. Schilling et. al.	EM safety by sensors developments and Hazards Mitigation by proper EV design	EM-Safety 265772, Teilprojekt (2011-2013)
100.	M. Schilling et. al.	Braunschweig International Graduate School of Metrology	TU Braunschweig & PTB (2007-2012)
101.	M. Schilling et. al.	Creation of the third cycle studies-doctoral studies in metrology	No. 158599-TEMPUS-MK-TEMPUS-JPCR. (2010-2012)
102.	M. Schilling, F. Ludwig et. al.	Entwicklung einer Methode zur Kühlung elektronischer Komponenten für Bohrloch-Anwendungen	Forschungsauftrag Fa. Baker Hughes INTEQ GmbH, Celle. (2009 – 2012)
103.	N. Bjorsell et. al.	Measurement and Modeling Techniques for improving RF system performances.	University of Gavle and Vrije Universiteit-Brussels. 2010 -
104.	N. Bjorsell et. al.	QUASAR	EU FP7 project, The partners are: KTH (SE), Ericsson AB (SE), RWTH Aachen University (DE), Aalto University (FI), Yonsei University (Rep. of Korea), BT PLC (UK), BNetzA (DE), Ss Cyril & Methodius University (Macedonia), PTS (SE), Ofcom (UK), FICORA (FI), 2010 - 12
105.	N. Bjorsell et. al.	Tempus project Creation of the Third Cycle Studies-Doctoral Studies in Metrology,	EU 158599-tempus-mk-tempus-jpcr, 2010 - 12
106.	N. Bjorsell et. al.	European summer school “Distributed measurement system”.	Uniersity of Gavle, 2008 - 10
107.	N. Bjorsell et. al.	Radio Frequency Measurement Technology for Future Power Amplifiers and Transmitters	KKS project, 2006/0231, 2007 – 10.
108.	D. Helic et. al.	DELOS (Network of Excellence on Digital Libraries),	01/2004 – 12/2007, EC funded project
109.	D. Helic et. al.	Technical and Social Challenges related to Collaborative eLearning in Central and South Eastern European Countries”	project funded by Austrian Science and Research Liason Office, 2007-2008
110.	D. Helic et. al.	“M.Sc. Curriculum in E-Learning”	project funded by the EU under the Tempus Programme, 2007-2009
111.	D. Helic et. al.	BERNSTEIN - The Memory of Papers (digital library, IR),	09/2006 – 02/2009, EC funded project
112.	D. Helic et. al.	SPRICHWORT (e-learning research project in language training),	11/2008 – 10/2010, EC-founded in the program line “Life-Long Learning/Transversal Programmes”