For the Work package: TO BE DEFFINED IN ACCORDANCE TO PROJECT CALL

Basic info about Technical faculty in Bor and Engineering Management Department (EMD)

A) Identification of the Applicant and other organisations participating in the project	
A) 1. Full name of the organisation in latin characters:	Technical Faculty in Bor, University of Belgrade
Acronym:	TF Bor
Erasmus University Charter number:	
PIC number	**934842836**
Department / Faculty:	Engineering Management Department (EMD)/Technical Faculty in Bor
Registered address:	
Street, Number:	Vojske Jugoslavije, 12
Post code:	19210
Town:	Bor
Country:	Serbia
Region:	Eastern Serbia
Internet address (Homepage):	http://www.menadzment.tf.bor.ac.rs/index_english.html
Telephone:	+381(30) 424 547
Fax:	+ 381(30) 421 078
A) 2. Person responsible for the management of the application (contact person) – this field will be filed with the details of project coordinator (responsible person) from EMD, for each project call	
Title:	Professor
Family name:	Mihajlovic
First name:	Ivan
Role in the organization:	Associate Professor
E-mail address:	imihajlovic@tf.bor.ac.rs
If the address is different from the address provided in section A.1	
Street, Number:	
Post code:	
Town:	
Country:	
Region:	
Telephone:	+381(64)227 36 21
Fax:	
A) 3. Person authorised to represent the organisation in legally binding agreements (legal representative)	
Title:	PhD
Family name:	Antonijević
First name:	Milan
Role in the organisation:	Dean
E-mail address	dekan@tf.bor.ac.rs
If the address is different from the address provided in section A.1	
Street, Number:	
Post code:	
Town:	
Country:	
Region:	
B) Organisation and activities	
B) 1. Structure	
Status (public or private):	public
Type of organization	Faculty / Educational - scientific
B) 2. Aims and activities of the organisation:	
Please provide a short presentation of	Technical Faculty in Bor deals with education and scientific

your organisation (key activities, affiliations etc.) relating to the domain covered by the project.	activities on following scientific areas: **Engineering management**, Chemical technology, Environmental protection, Extractive metallurgy, Mining, Recycling. Technical faculty in Bor is the member of University of Belgrade, which is listed among first **400 universities at Shanghai list**. The projects in which the Faculty is, or was, involved are based on – basic, applied and developmental researches and forms of research that are in function of development of new technological processes, model based prediction tools, services and products, as well as of education processes within the scientific fields wherein this faculty has been registered. Most of the projects are from the field of environment protection, ecology, material science, optimization of production processes, defining the material flow models of complex technological processes, developing educational processes and consulting. Engineering Management Department (EMD) was developed 12 years ago, at Technical faculty in Bor. This department is accredited (national accreditation commission of Republic of Serbia) for education at BSc, MSc and PhD level. New curriculum of Management department of Technical faculty in Bor, which will be crepitated during the year 2014 is available at: http://www.menadzment.tf.bor.ac.rs/curriculum_english.htm Members of Engineering Management Department (EMD) are experts in Material flow balancing, Environmental management, Quantitative data analysis, Numerical modeling, Statistical modeling (including linear and nonlinear statistics), Modeling of industrial processes and use of simulation techniques (Optimization methods – Linear Programming, Non-linear Programming, Dynamic Programming), Data mining, Algorithm development, Information systems, E-commerce, multicriteria models for ranking and selection of optimal solutions (Multicriteria methods: PROMETHEE, AHP, ELECTRE), Services Marketing, Market research, Web design, E- commerce and Online marketing. Members of this department have published large number of scientific papers in international journals from SCI and SCIe lists presenting the results of our projects and research activities. The projects on which the EMD experts are included are in the scope of: Material flow analysis, Material flow management, Education and Consulting, Curriculum development, International Networks Building… EMD is included in international Resita network for entrepreneurship and innovations (http://www.resitanet.eu). EMD publishes international scientific journal – Serbian Journal of Management (www.sjm06.com) EMD is each year organizing International Conference on Strategic Management - http://mksm.sjm06.com/2012/11/23/arhiva-mksm/, as well as EMD is each year organizing International Symposium on Environmental and Material Flow Management (EMFM) jointly with the Environmental Campus Birkenfeld, University of Applied Science Trier (Germany), and the Faculty of Mechanical Engineering, University of Zenica (Bosnia and Herzegovina)- http://emfm.tf.bor.ac.rs/

Enrolement in previous project activities:

Role of the organization in the project	partner
B) 3. Other EU grants	
Please list the projects for which the organization, or the department responsible for the management of this application, has received financial support from the International Programmes during the last ten years:	
1. Programme or initiative:	
Type of project	Small Grant Project Visegrad Fund (V4)
Reference number:	11410011
Beneficiary organisation/department:	University of Belgrade, Technical Faculty in Bor
Project participant from Management Department – TF Bor:	Ivan Mihajlović, Danijela Voza, Isidora Milošević, Milica Arsić
Title of project:	Possibilities for development of business cluster network between SMEs from Visegrad IV and Serbia
The source of financial support:	Visegrad Fund
2. Programme or initiative:	
Type of project	International academic network– RESITA
Reference number:	
Beneficiary organisation /department:	University of Belgrade, Technical faculty in Bor, Management department
Project participant from Management Department – TF Bor:	Živan Živković, Dragana Živković, Ivan Mihajlović, Danijela Voza, Ivica Nikolić, Marija Savić, Nenad Milijić, Aleksandra Fedajev, Isidora Milošević, Ivan Jovanović, Tamara Rajić, Predrag Đorđević, Milica Arsić
Title of project:	International Resita Network for Entrepreneurship and Innovation
The source of financial support:	DAAD
3. Programme or initiative:	
Type of project	PHARE-CBC ROMANIA-SERBIA 2004
Reference number:	RO 2004/016-943.01.01.08
Beneficiary organisation/department:	University Eftimie Murgy, Resita, Romania
Project participant from Management Department – TF Bor:	Živan Živković, Dragana Živković, Ivan Mihajlović, Danijela Voza, Nenad Milijić, Isidora Milošević, Ivan Jovanović, Tamara Rajić, Milica Arsić
Title of project:	Center of Enterpreneurship and Cultural Management (CEMI)
The source of financial support:	IPA – PHARE
4. Programme or initiative:	
Type of project	PHARE-CBC ROMANIA-SERBIA 2006
Reference number:	RO 2006/018-448.01.02.15
Beneficiary organisation/department:	University Eftimie Murgy, Resita, Romania
Project participant from Management Department – TF Bor:	Ivan Jovanović, Nenad Milijić
Title of project:	The virtual space of knowledge – the way of integration
The source of financial support:	IPA – PHARE
5. Programme or initiative:	
Type of project	ERASMUS MUNDUS EXTERNAL COOPERATION WINDOW PROJECT

	BASILEUS
Reference number:	
Beneficiary organisation/department:	Technical faculty in Bor/Management Department
Title of project:	Balkans Academic Scheme for the Internationalisation of Learning in cooperation with EU
The source of financial support:	EU Commission
6. Programme or initiative:	
Type of project	IPA – HETIP
Reference number:	
Beneficiary organisation/department:	Technical faculty in Bor
Title of project:	Restoration of building sand procurement of teaching and research equipment at the Technical Faculty in Bor
The source of financial support:	the infrastructure program for high education
7. Programme or initiative:	
Type of project	GET IT
Reference number:	
Beneficiary organisation/department:	Technical faculty in Bor/Management Department
Project participant from Management Department – TF Bor:	Ivan Mihajlović
Title of project:	GET – IT Serbia (ICT in Entrepreneurship education)
The source of financial support:	Hewlett Packard and Micro Entrepreneurship Institute
8. Programme or initiative:	
Type of project	CARDS
Reference number:	06SER02/03/001 Project No S97
Beneficiary organisation/department:	Technical Faculty in Bor
Title of project:	Banat regions' sustainable development academic camp.
The source of financial support:	EU Commission
Please list the projects for which the organization, or the department responsible for the management of this application, has received financial support from the EC (European Commision) Programmes during the last ten years:	
1. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	JPCR
Reference number:	511044-TEMPUS-1-2010-1
Beneficiary organization /department:	Technical faculty in Bor
Title of project:	Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes – MCHEM
2. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	JPCR
Reference number:	511001-TEMPUS-1-2010-1
Beneficiary organisation/department:	Technical faculty in Bor
Title of project:	Development of Environment and Resources Engineering Learning – DEREL
3. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	JEP
Reference number:	TEMPUS JEP – 2147 – 91/1

Beneficiary organization/department:	Technical Faculty in Bor
Title of project:	Business School Bor
4. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	
Reference number:	
Beneficiary organisation/department:	
Title of project:	
If organisation was involved in other TEMPUS projects please add rows as necessary.	
Please list the projects for which the organization, or the department responsible for the management of this application, has received financial support from the National Programmes during the last ten years:	
1. Programme or initiative: Technological Development	
Type of project	Research project
Reference number:	TR 33037 (time period 2011 – 2014)
Beneficiary organisation/department:	
Project participant from Management Department – TF Bor:	Darko Brodić, Assistant Professor
Title of project:	Development and application of distributed system for monitoring and control of electrical energy consumption of large consumers
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
2. Programme or initiative: Basic Research	
Type of project	Research project
Reference number:	OI 179013(time period 2011 – 2014)
Beneficiary organization/department:	University of Niš – Faculty of Mechanical Engineering
Project participant from Management Department – TF Bor:	Milovan Vuković, Danijela Voza
Title of project:	Sustainability of the Identity of Serbs and National Minorities in the Border Municipalities of Eastern and Southeastern Serbia
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
3. Programme or initiative: Fundamental Research	
Type of project	Research project
Reference number:	ON 174007 (time period 2011 – 2014)
Beneficiary organization/department:	Faculty of Sciences and Mathematics, University of Niš
Project participant from Management Department – TF Bor:	Ivana Đolović, Ivana Radojević
Title of project:	Functional analysis, stochastic analysis and applications
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
4. Programme or initiative: Technological Development	
Type of project	Materials and Chemical Technology
Reference number:	TR 34023 (time period 2011 – 2014)
Beneficiary organisation/department:	Technical faculty in Bor, University of Belgrade
Project participant from Management Department – TF Bor:	Nada Štrbac, Ivan Mihajlović, Đorđe Nikolić, Isidora Milošević, Milica Arsić, Predrag Đorđević, Ivan Jovanović
Title of project:	Developing technological processes for nonstandard copper concetrates processing with the aim to decrease pollutants emission
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia

5. Programme or initiative: Integrated and Interdisciplinary Research	
Type of project	Materials and Chemical Technology
Reference number:	III 46000 (time period 2011 – 2014)
Beneficiary organisation/department:	University of Belgrade, Faculty of Technology and Metallurgy, Belgrade
Project participant from Management Department – TF Bor:	Snežana Urošević
Title of project:	Development of new of capsules and enzyme technologies for the production of biocatalysts and bioactive food components to increase its competitiveness, quality and safety
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
6. Programme or initiative: Technological Development	
Type of project	Materials and Chemical Technology
Reference number:	TR 34020 (time period 2011 – 2014)
Beneficiary organization/department:	University of Niš, Faculty of Technology, Leskovac
Project participant from Management Department – TF Bor:	Snežana Urošević
Title of project:	Development of new and improvement of existing technological processes for production of technical textile fibers and materials
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
7. Programme or initiative: Basic Research	
Type of project	Research project
Reference number:	MPN RS – ON 172037 (time period 2011 – 2014)
Beneficiary organization/department:	TF BOR
Project participant from Management Department – TF Bor:	Dragana Živković, Dragan Manasijević
Title of project:	Advanced multicomponent metal systems and nanostructured materials with diverse functional properties
The source of financial support:	Ministry of education, science and technological development
8. Programme or initiative:	
Type of project	Education – Networking
Reference number:	
Beneficiary organisation/department:	Technical Faculty in Bor/Management Department
Project participant from Management Department – TF Bor:	Ivan Mihajlović, Đorđe Nikolić
Title of project:	Adaptation of curriculum to implement the HP LIFE program to promote youth entrepreneurship
The source of financial support:	Center for promotion of Scinece – Belgrade, Serbia
9. Programme or initiative:	
Type of project	Education – Networking
Reference number:	
Beneficiary organization/department:	Technical Faculty in Bor/Management Department
Project participant from Management Department – TF Bor:	Ivan Mihajlović, Đorđe Nikolić

Title of project:	Round Table – Application of Case Studies in Contemporary Education
The source of financial support:	Mining and Metallurgical Company – RTB Bor
10. Programme or initiative: Fundamental Research	
Type of project	Research project
Reference number:	1232 (time period 2002 – 2005)
Beneficiary organization/department:	Faculty of Sciences and Mathematics, University of Niš
Project participant from Management Department – TF Bor:	Ivana Đolović
Title of project:	Operator equations, approximation and applications
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
11. Programme or initiative: Fundamental Research	
Type of project	Research project
Reference number:	144003 (time period 2006 – 2010)
Beneficiary organisation/department:	Faculty of Sciences and Mathematics, University of Niš
Project participant from Management Department – TF Bor:	Ivana Đolović
Title of project:	Operator theory, stochastic analysis and applications
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
12. Programme or initiative:	
Type of project	
Reference number:	EE-223002B
Beneficiary organisation/department:	Technical faculty in Bor, University of Belgrade
Project participant from Management Department – TF Bor:	Tamara Ognjanović
Title of project:	Energy Efficiency – A computer controlled thermal imaging system for monitoring and diagnosis of power and measuring transformers and other elements in power plants Electrodistribution Bor
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
13. Programme or initiative:	
Type of project	
Reference number:	ON 174025
Beneficiary organization/department:	Faculty of science and Mathematics, Department of Mathematics, University of Nis.
Project participant from Management Department – TF Bor:	Darko Kocev
Title of project:	Problems of Nelinear Analysis, Operator theory, Topologies and Applications
The source of financial support:	Ministry of Science and Technological development, Serbia

Capacity: Total number of professors and associates on Technical faculty in Bor and Management Department

	Technical faculty in Bor –TF Bor	Management Department (EMD)
Full professors	19	3

Associate professors	15	5
Assistant professors	23	7
English teachers	4	4
Assistant researchers	21	7
Teaching assistants	4	2
Total number of professors and associates	86	28
Totatal number of employees	136	

Capacity: Number of students on Technical Faculty in Bor and Management Department per year

	Faculty	Management Department
First year	258	134
Second year	155	74
Third year	142	59
Fourth year	96	46
Total number	651	340

D) Operational Capacity	
D) 1. Skills and expertise of key staff involved in the project	
Name of key person	**Summary of relevant skills and experience**
Živan Živković	Professor at Management Department of Technical Faculty in Bor. Chief of Management Department of Technical Faculty in Bor. Author or Co Author of 146 papers published in indexed international journals. Founder of Serbian Journal of Management. President of Scientific Board of International May Conference on Strategic management.Google scholar report is available here.
Dragana Živković	Professor at Management Department of Technical Faculty in Bor. Vice-Dean for scientific research and international collaboration at TF Bor. Research skills in Management of New Technologies and Innovations; Strategic Management of New Technologies and Knowledge Management. Author or Co Author of 188 papers in indexed international journals among total 300 papers published in international and national journals. More than 500 communications at international and national meetings. 155 papers cited more than 200 times in international journals (JCR); Books/Editions: 7 Books and more than 10 editions. Google scholar report is available here.
Nada Štrbac	Professor at Management Department of Technical Faculty in Bor. Author or Co Author of 43 papers published in indexed international journals. Research skills in Management of technologies and materials. President of Organizational board of International October Conference (http://www.ioc.tf.bor.ac.rs/). Author of 39 papers published in indexed international journals.
Ivan Mihajlović	Associate Professor at Management Department of Technical Faculty in Bor. Master Trainer of International GET IT program sponsored by Hewlett Packard. Author or Co Author of 48 papers published in indexed international journals. Main skills: numerical modeling of complex technological processes. Linear and nonlinear statistics. Material flow and heat flow management. Editor in chief of Serbian Journal of Management (sjm06.com). President of Organizational Board of International May Conference on Strategic management (http://mksm.sjm06.com).Google scholar report is available here.
Milovan Vuković	Associate Professor at Management Department of Technical Faculty in Bor.

	Author or Co Author of 10 papers published in indexed international journals. Expert knowledge in the field of Environmental Quality Management; and Qualitative methods of research.
Dejan Riznić	Associate Professor at Management Department of Technical Faculty in Bor. Author or Co Author of 3 papers published in indexed international journals. Fruitful experience in teaching at Technical faculty in Bor, in the fields of Marketing, Organization and Organization of Sales. His teaching has been organized following high educational standards and in line with relevant issues and requirements of contemporary business environment.
Ivana Đolović	Associate Professor at Management Department of Technical Faculty in Bor. Author or Co Author of 12 papers published in indexed international journals. Main interests: Functional analysis and operator theory, sequence spaces, summability, matrix transformations
Dragan Manasijević	Expertise in technological process management from the field of extractive metallurgy, thermodynamics and phase diagrams of metallic systems, pyrometallurgical processes, quantitative methods in management science. Author or Co Author of 87 papers published in indexed international journals. Research methodologies: CALPHAD method, regression analysis, forecasting, factorial analysis. Fluent 9 ser of : SPSS, QM for Windows, HSC, PANDAT.
Snežana Urošević	Associate Professor at Management Department of Technical Faculty in Bor. Author is three books, of which one primary university text book, a monograph of national importance, 14 papers published in indexed international journals, more than 50 papers published in national journal sand more than 70 papers presented at national and international scientific meetings. Member of the scientific and organizing committees of over 10 international and national conferences. Member of the editorial board of the international scientific journal“ Annals of The University of Oradea, Fascicle of Textiles, Leatherwork ,”Oradea, Romania, and national journal “ Tekstilna industrija”. Detailed knowledge of all the topics of Human Resource Management and Presentation skills. Google scholar report is available here.
Dejan Bogdanović	Associate Professor at Management Department of Technical Faculty in Bor. Areas of research: Planning, development, and application of different optimization models for solving various problems in the fields of engineering management; Development and application of different multicriteria models for ranking and selection of optimal solutions; Modeling of industrial processes and use of simulation techniques. Research methodologies: Multicriteria methods: PROMETHEE, AHP, ELECTRE; Optimization methods – Linear Programming, Non-linear Programming, Dynamic Programming. Author of 5 papers published in indexed international journals. Google scholar report is available here.
Đorđe Nikolić	Assistant Professor at Management Department of Technical Faculty in Bor, Trainer of International GET IT program sponsored by Hewlett Packard. Design, development and use of different optimization models for solving various problems in engineering management. Development and application of different multi-criteria models for ranking and selection of optimal solutions. Modeling of different industrial processes and the application of simulation techniques. The application of statistical tools for the analysis of empirical models in management. Research methodology: Multi-criteria decision methods: PROMETHEE, AHP, TOPSIS, VIKOR, ELECTRE, SAW; Analytical statistics: Models for time series and forecasting, Hypothesis testing, Factor analysis (PCA), Cluster Analysis, Correlation Analysis, and Multiple Regression Analysis; SEM (Structural Equation Modeling) analysis: Confirmatory Factor Analysis (CFA) and Path analysis. Technical editor of Serbian Journal of Management. Author or Co Author of 21 papers published in indexed international journals. Technical Editor of Serbian Journal of Management. Google scholar report is available here.

Ivan Jovanović	Assistant Professor at Management Department of Technical Faculty in Bor, Research Area: Entrepreneurship: Making and application of Business plan; Operations Research: Planning, development and application of optimization models for solving problems in the field of engineering management. Project Management: The application project management concept in modern business. Decision Theory: Development and application of different multicriteria models for ranking and selection of optimal solutions. Quality Management: Development and implementation of quality tools in business practice; Statistical Process Control. Research methodologies: Creating a business plan based on different methodologies. Optimization Methods: Linear programming; Transportation problem; Game theory; Network planning techniques, for project management. Methods for multi-criteria optimization: ELECTRA PROMETHEE, AHP. Author or Co Author of 6 papers published in indexed international journals.
Darko Brodić	Assistant Professor at Management Department of Technical Faculty in Bor, Research Area: Signal Processing, Image Processing, Document Image Processing, OCR, Pattern Analysis, Artificial Intelligence, Natural Language Processing, Speech Processing. Wider research area: Algorithms, Programming, Information systems, E-commerce. Tools: Matlab. Additional tools: Microsoft Office, Coreldraw, Microsoft Visio, Pascal, C. More than 60 publications in international peer-reviewed journals (50 in SCI/SCIE journals), refereed conference proceedings, and edited books. Google scholar report is available here. Mendeley researcher profile is available here. Research Gate profile is is available here.
Isidora Milošević	Assistant Professor at Management Department of Technical Faculty in Bor, Certified Get- IT trainer. Author or Co Author of 6 papers published in indexed international journals. Areas of research: Strategic Management, Quality Management, Market research. Sound knowledge of multivariate data analysis techniques, Analysis of Variance (ANOVA), Exploratory Factor Analysis (EFA), Correlation Analysis, Multiple Regression, Structural Equation Modelling (SEM) and their application in software packages SPSS and LISREL.
Milica Arsić	Assistant Professor at Management Department of Technical Faculty in Bor, Certificated GET-IT trainer, Fluent user of Statistical package SPSS (multivariate statistical techniques: cluster analysis, factor analysis, regression analysis, descriptive statistics). Author or Co Author of 5 papers published in indexed international journals. Google scholar report is available here.
Predrag Đorđević	Assistant Professor at Management Department of Technical Faculty in Bor. Areas of research: Modeling of technological processes for reliable prediction of technological parameters of the process, especially from the aspect of the management of output parameters of these processes, in order to achieve desired outcomes. Application of advanced statistical tools for the modeling of technological processes, with analysis and comparation of the benefits of the application of certain tools in specific situations. These tools include the application of multivariate linear methods (Multilinear regression analysis) and nonlinear methods (neural networks) for the purpose of process modeling, factor analysis. The application of quality tools in order to control the output of production processes and the quality of services in different sectors (Control charts, Quality Function Deployment, Pareto analysis, diagrams cause – effect, the sampling methodology). Very proficient in various software tools such as SPSS, MS Office, Adobe Photoshop, with basic knowledge of web design. Published 8 papers in indexed international journals. Google scholar report is available here.
Nenad Milijić	PhD student and assistant at Management Department of Technical Faculty in Bor. Certificated GET-IT trainer. Fluent user of Statistical package SPSS (multivariate statistical techniques: cluster analysis, factor analysis, principal

	component analysis, discriminant analysis; descriptive statistics, general linear modeling), MS Office (MS Project), Decision Lab. Author or Co Author of 6 papers published in indexed international journals. Technical editor of Serbian Journal of Management. Google scholar report is available here.
Aleksandra Fedajev	Ph.D. Student in Economics, Department of Macroeconomics, University of Kragujevac, Faculty of Economics in Kragujevac. Author or Co Author of 2 papers published in indexed international journals. Certificated GET-IT trainer. Fluent user if Statistical package DECISION LAB (multi-criteria analysis).
Danijela Voza	PhD student and assistant at Management Department of Technical Faculty in Bor. Certificated GET-IT trainer. Skills: fluent user of Statistical packages SPSS and STATISTICA (multivariate statistical techniques: cluster analysis, factor analysis, principal component analysis, discriminant analysis; descriptive statistics). Co Author of one papers published in indexed international journals. Google scholar report is available here.
Marija Savić	PhD student and assistant at Management Department of Technical Faculty in Bor. Expert level of linear and nonlinear programming. Modeling of business and technology processes using modern statistical methods and tools: Bayesian probability and statistics, Monte Carlo Simulation, Markov chains and processes, Game theory, Gibbs sampling. Published 2 papers in indexed international journals. Google scholar report is available here.
Ivica Nikolić	PhD student and assistant at Management Department of Technical Faculty in Bor. Skills: Aplicable Knowledge in System Theory, Management of new technology and innovation, Management, Entrepreneurship and Creative thinking. Tools and techniques: SWOT Analysis, Methods of linear and nonlinear statistical analysis, Mind maps, Creative thinking. Knowledge of software: SPSS, MATLAB, MATCAD, MS Excel, MS Access, MS Project.
Milena Jevtić	PhD student at the Faculty of Technical Sciences University of Pristina, Study program of Electrical and Computer Engineering. Assistant at Management Department of Technical Faculty in Bor. Co Author of one papers published in indexed international conference. Fluent expertise in Image Processing, and Artifical Intelligence. Wider research areas: Database, Information systems and WEB Design. ICT Tools: Matlab, Coreldraw, Microsoft Visio, Catia, Ruby and COMSOL.
Ivana Radojević	PhD student and assistant at Management Department of Technical Faculty in Bor. Areas of Research: Linear algebra, Indefinite inner product spaces, general inverses.
Tamara Ognjanović	PhD student and assistant at Management Department of Technical Faculty in Bor.Information systems, Internet marketing, Environmental protection.
Sanela Arsić	PhD student and Teaching Associate at Management Department of Technical Faculty in Bor. Areas of research: Operations Research (linear and nonlinear programming), Strategic Management, Quality Management. Fluent user of Statistical package SPSS (multivariate statistical techniques: cluster analysis, factor analysis, regression analysis, analysis of variance (ANOVA), descriptive statistics). Google scholar report is available here.
Danijela Durkalić	MSc Student and Teaching Associate at Marketing, Finance management and organization of Technical Faculty in Bor. Areas of research: Finance management, marketing and local development. Google scholar report is available here.

List of references (SCI/SCIE) of Management Department Researchers:

2015

Gomidzelovic, L., Zivkovic, D., Talijan, N., Cosovic, V. (2015), Properties of new gold based multicomponent alloys as innovative lead-free solder material, Materials Research Innovations, 19(2), 145-149.

http://www.maneyonline.com/doi/abs/10.1179/1433075X14Y.0000000230

Mitovski, A., Štrbac, N., Manasijević, D., Sokić, M., Daković, A., Živković, D., Balanović, L.J., Thermal analysis and kinetics of the chalcopyrite-pyrite concentrate oxidation process , Metalurgija, Volume 54, Issue 2, 2015, Pages 311-314
http://public.carnet.hr/metalurg/Metalurgija/2015_vol_54/No_2/Met_2015_2_EN.html

2014

Savić, M., Mihajlović, I., Arsić, M., Živković, Ž., Adaptive-network-based fuzzy inference system (ANFIS) modelbased prediction of the surface ozone concentration, Journal of the Serbian Chemical Society, Volume 79, Issue 10, 2014, Pages 1323-1334

Djordjevic, P. , Mitevska, N., Mihajlovic, I., Nikolic, D., Zivkovic, Z., Effect of the slag basicity on the coefficient of distribution between copper matte and the slag for certain metals , Mineral Processing and Extractive Metallurgy Review, Volume 35, Issue 3, 2014, Pages 202-207
http://www.tandfonline.com/doi/abs/10.1080/08827508.2012.738731#.VOxE3DSG-dM

Šesták, J. , Holba, P., Živković, Ž. Doubts on kissinger's method of kinetic evaluation based on several conceptual models showing the difference between the maximum of reaction rate and the extreme of a dta peak, Journal of Mining and Metallurgy, Section B: Metallurgy, Volume 50, Issue 1, 2014, Pages 77-81
http://www.doiserbia.nb.rs/Article.aspx?ID=1450-53391400006S&AspxAutoDetectCookieSupport=1#.VOxERzSG-dM

Arsic, M., Nikolic, D.J., Mihajlovic, I., Zivkovic, Z., Monitoring of the surface ozone concentrations in the western Banat region (Serbia), Applied Ecology and Environmental Research, Volume 12, Issue 4, 2014, Pages 975-989
http://www.aloki.hu/pdf/1204_975989.pdf

Mihajlović, I., Durić, I., Živković, Ž., ANFIS based prediction of the aluminum extraction from boehmite bauxite in the Bayer process, Polish Journal of Chemical Technology, Volume 16, Issue 1, March 2014, Pages 103-109
http://www.degruyter.com/view/j/pjct.2014.16.issue-1/pjct-2014-0018/pjct-2014-0018.xml

Milijić, N. , Mihajlović, I., Nikolić, D., Živković, T. , Multicriteria analysis of safety climate measurements at workplaces in production industries in Serbia, International Journal of Industrial Ergonomics, Volume 44, Issue 4, July 2014, Pages 510-519
http://www.sciencedirect.com/science/article/pii/S0169814114000729

Živković, D., Štrbac, N., Sokić, M., Andrić, V., Jovanović, I., Jovičić, M., Andjelić, B., Radosavljević, S., Physicochemical investigation of some archaeometallurgical findings from locality Kmpije (Bor, Serbia), Journal of Thermal Analysis and Calorimetry, Volume 118, Issue 2, 26 August 2014, Pages 1369-1373
http://link.springer.com/article/10.1007%2Fs10973-014-4050-6

Mitovski, A., Štrbac, N., Mihajlović, I., Sokić, M., Stojanović, J., Thermodynamic and kinetic analysis of the polymetallic copper concentrate oxidation process , Journal of Thermal Analysis and Calorimetry, Volume 118, Issue 2, 28 May 2014, Pages 1277-1285
http://link.springer.com/article/10.1007%2Fs10973-014-3838-8

Niculović, M., Živković, D., Manasijević, D., Štrbac, N., Study of pathological Internet use, behavior and attitudes among students population at Technical Faculty Bor, University of Belgrade, Computers in Human Behavior, Volume 39, October 2014, Pages 78-87
http://www.sciencedirect.com/science/article/pii/S0747563214003616

Vuković, M., Voza, D., Štrbac, N., Takić, L., Cooperation over international water resources: A case from the Danube river basin , Sociologia (Slovakia), Volume 46, Issue 3, 2014, Pages 320-342

Brodić, D., Milivojević, Z.N., Maluckov, Č.A., An approach to the script discrimination in the Slavic documents , Soft Computing, 28 August 2014
http://link.springer.com/article/10.1007%2Fs00500-014-1435-1

Brodić, D., Mello, C.A.B., Maluckov, Č.A., Milivojević, Z.N., An approach to skew detection of printed documents, Journal of Universal Computer Science, Volume 20, Issue 4, 2014, Pages 488-506

Riesen, K., Brodić, D., Milivojević, Z.N., Maluckov, Č.A., Graph based keyword spotting in medieval slavic documents – A project outline, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Volume 8740, 2014, Pages 724-731
http://link.springer.com/book/10.1007%2F978-3-319-13695-0

Milivojević, Z.N., Brodić, D., Milivojević, M.Z.,The effects of the active hypoxia to the speech signal inharmonicity, Radioengineering, Volume 23, Issue 2, June 2014, Pages 665-670

Brodić, D., Milivojević, Z.N., Maluckov, C.A., Jevtić, M., Discrimination between Serbian and Slovenian language by texture analysis, 37th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2014 – Proceedings, 2014, Article number 6859740, Pages 1142-1146
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6859740

Tasić, V., Pavlov, M., Brodić, D., Despotović, V., Milivojević, D.R., The use of the Internet and wireless communications in the monitoring and control of industrial processes, 37th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2014 – Proceedings, 2014, Article number 6859713, Pages 993-996
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6859713

Brodić, D., Maluckov, Č.A., Milivojević, Z.N., Draganov, I.R., Differentiation of the script using adjacent local binary patterns , Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Volume 8722, 2014, Pages 162-169
http://link.springer.com/chapter/10.1007%2F978-3-319-10554-3_15

Brodić, D., Milivojević, Z.N., Maluckov, Č.A., Script characterization in the old slavic documents, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Volume 8509 LNCS, 2014, Pages 230-238
http://link.springer.com/chapter/10.1007%2F978-3-319-07998-1_26

Milijić, N., Mihajlović, I., Nikolić, D., Živković, T., Multicriteria analysis of safety climate measurements at workplaces in production industries in Serbia, International Journal of Industrial Ergonomics, Volume 44, Issue 4, July 2014, Pages 510-519
http://www.sciencedirect.com/science/article/pii/S0169814114000729

Fedajev, A., Nikolic, R., Urosevic, S., The achieved level of competitiveness and characteristics of business environment in Western Balkan Countries, Actual Problems of Economics, Volume 155, Issue 5, May 2014, Pages 46-57

Vuković, M., Voza, D., Štrbac, N., Takić, L., Cooperation over international water resources: A case from the Danube river basin, Sociologia (Slovakia), Volume 46, Issue 3, 2014, Pages 320-342

Djolovic, I., & Malkowsky, E. (2014), Generalization of some results on pα-duals, Banach Journal of Mathematical Analysis, 8(2), 124-130.

Djordjevic, P., Mitevska, N., Mihajlovic, I., Nikolic, Dj., Zivkovic, Z. (2014). Effect of the slag basicity on the coefficient of distribution between copper matte and the slag for certain metals, Mineral Processing and

Extractive Metallurgy Review 35 (3): 202-207. http://www.tandfonline.com/doi/abs/10.1080/08827508.2012.738731#.UooKnOIli4o

Marković, B., Živković, D., Manasijeyić, D., Sokić, M., Minić, D., Talijan, N., Stajić-Trošić, J. (2014), Thermal, structural and electrical properties of some Bi-Cu-Ni alloys, Archives of Metallurgy and Materials, 59(1), 117-120.
http://www.degruyter.com/view/j/amm.2014.59.issue-1/amm-2014-0018/amm-2014-0018.xml

Žák, T. , David, B., Ćosović, A., Ćosović, V., Živković, D., Talijan, N. (2014), Structure and magnetic properties of nanocrystalline NiFe2O 4 prepared via precipitation route, Acta Physica Polonica A, Volume 126, Issue 1, Pages 142-143
http://przyrbwn.icm.edu.pl/APP/PDF/126/a126z1p067.pdf

Minić, D., Premović, M., Čikara, D., Mitrovica, K., Manasijević, D., Živković, D. (2014),The Mechanical and Electrical Properties of the Ternary Bi-Ga-Sb System. Materials Testing, 56(9), 667-674.
http://www.hanser-elibrary.com/doi/abs/10.3139/120.110620

Premović, M., Minić, D., Ćosović, V., Manasijević, D., Živković, D. (2014), Experimental Investigation and Thermodynamic Calculations of the Bi-Ge-Sb Phase Diagram, Metallurgical and Materials Transactions A, 45(11), 4829-4841.
http://www.hanser-elibrary.com/doi/abs/10.3139/120.110620

Premović, M., Manasijević, D., Minić, D., Živković, D. (2014), Experimental investigation and thermodynamic calculation of the Ge–In–Sb phase diagram, Materials Chemistry and Physics, 148(1), 356-363.
http://www.sciencedirect.com/science/article/pii/S0254058414004957

Živković, D., Živković, Ž. (2014), 50th volume of JMM-B: First fifty years of continuous publishing activities, Journal of Mining and Metallurgy B: Metallurgy, 50(1), 1-3.

Costa, C., Delsante, S., Borzone, G., Zivkovic, D., Novakovic, R. (2014), Thermodynamic and surface properties of liquid Co–Cr–Ni alloys,The Journal of Chemical Thermodynamics, 69, 73-84.
http://www.sciencedirect.com/science/article/pii/S0254058414004957

Premović, M., Minić, D., Manasijević, D., Ćosović, V., Živković, D., Dervišević, I., Talijan, N. (2014), Mechanical and Electrical Properties of the Ternary Ag–Sb–Zn System, Acta Metallurgica Sinica (English Letters), 27(1), 47-54.
http://link.springer.com/article/10.1007%2Fs40195-013-0016-0

Živković, D., Grgurić, T. H., Gojić, M., Ćubela, D., Šimišić, Z. S., Kostov, A., Kožuh, S. (2014), Calculation of Thermodynamic Properties of Cu–Al–(Ag, Au) Shape Memory Alloy Systems, Transactions of the Indian Institute of Metals, 67(2), 285-289.
http://link.springer.com/article/10.1007%2Fs12666-013-0328-9

Balanović, L., Živković, D., Manasijević, D., Minić, D., Ćosović, V., Talijan, N. (2014). Calorimetric investigation of Al–Zn alloys using Oelsen method.Journal of Thermal Analysis and Calorimetry, 118(2), 1287-1292.
http://link.springer.com/article/10.1007%2Fs10973-014-3990-1

Živković, D., Štrbac, N., Sokić, M., Andrić, V., Jovanović, I., Jovičić, M., Radosavljević, S. (2014), Physicochemical investigation of some archaeometallurgical findings from locality Kmpije (Bor, Serbia), Journal of Thermal Analysis and Calorimetry, 118(2), 1369-1373.
http://link.springer.com/article/10.1007%2Fs10973-014-4050-6

Premović, M., Manasijević, D., Minić, D., Živković, D. (2014), Experimental investigation and thermodynamic prediction of the Ag–Ge–Sb phase diagram., Journal of Alloys and Compounds, 610, 161-168.
http://link.springer.com/article/10.1007%2Fs10973-014-4050-6

Šimšić, Z. S., Živković, D., Manasijević, D., Grgurić, T. H., Du, Y., Gojić, M., Todorović, R. (2014), Thermal analysis and microstructural investigation of Cu-rich alloys in the Cu–Al–Ag system, Journal of alloys and compounds,612, 486-492.
http://www.sciencedirect.com/science/article/pii/S0925838814011451

Minić, D., Premović, M., Ćosović, V., Manasijević, D., Nedeljkovic, L., Živković, D. (2014), Experimental investigation and thermodynamic calculations of the Cu–In–Ni phase diagram, Journal of Alloys and Compounds,617, 379-388.
http://www.sciencedirect.com/science/article/pii/S0925838814017332

Savic, M., Djordjevic, P., Nikolic, D., Mihajlovic, I., Zivkovic, Z. (2014), Modeling the influence of EFQM criteria on employees satisfaction and loyalty in transition economy: the study of banking sector in Serbia, Serbian Journal of Management, 9(1), 15-30.
http://scindeks.ceon.rs/Error.aspx?aspxerrorpath=/Article.aspx

Vuković, M., Branković, Z., Poleti, D., Rečnik, A., Branković, G. (2014), Novel simple methods for the synthesis of single-phase valentinite Sb2O3, Journal of Sol-Gel Science and Technology, 72(3), 527-533.
http://link.springer.com/article/10.1007%2Fs10971-014-3469-3

Vuković, M., Štrbac, N., Sokić, M., Grekulović, V., Cvetkovski, V. (2014), Bioleaching of pollymetallic sulphide concentrate using thermophilic bacteria.Hemijska industrija, 68(5), 575-583.
http://www.doiserbia.nb.rs/Article.aspx?ID=0367-598X1300087V#.VO2jvzSG-dM

Papić, M., Vuković, M., Bikit, I., MRĐA, D., Forkapić, S., Bikit, K., Nikolić, Đ. (2014), Multi-criteria analysis of soil radioactivity in Čačak basin, Serbia. Rom. Journ. Phys, 59, 7-8.

Djordjevic, N., Djordjevic, D., Miljkovic, M., Urosevic, S. (2014), Activated carbon from cotton waste as an adsorbent in the purification process of azo-dyes, Bulgarian Chemical Communications, Volume 46, Issue 2, 277-282

2013

Ivan Jovanović, Predrag Stanimirović, Živan Živković, (2013). Environmental and economic criteria in ranking of copper concentrates, Environmental Modeling and Assessment, 18(1), 73-83.
doi: 10.1007/s10666-012-9327-1, Publisher: Springer, ISSN: 1420-2026 (Print); E-ISSN: 1573-2967 (Online), JCR-IF=0.977; 160/210 (2012), URL: http://link.springer.com/article/10.1007/s10666-012-9327-1

Predrag Đorđević, Đorđe Nikolić, Ivan Jovanović, Ivan Mihajlović, Marija Savić, Živan Živković, (2013). Episodes of extremely high concentrations of SO2 and particulate matter in the urban environment of Bor, Serbia, Environmental Research 126, 204–207. doi: 10.1016/j.envres.2013.05.002, Publisher: Elsevier, ISSN: 0013-9351, JCR-IF=3,238; 24/239 (2012), URL: http://www.sciencedirect.com/science/article/pii/S0013935113000868

E.Malkowsky, I. Djolović, Banach Algebras of Matrix Transformations Between Some Sequence Spaces Related to Λ-Strong Convergence and Boundedness, Applied Mathematics and Computation, 219(2013), No.16, 8779-8789

Rajic Tamara & Dado Jaroslav (2013) Modelling the relationships among retail atmospherics, service quality, satisfaction and customer behavioural intentions in an emerging economy context, Total Quality Management & Business Excellence, Vol.24 Issue 9-10, pp. 1096-1110 (http://www.tandfonline.com/doi/abs/10.1080/14783363.2013.776759#.Uonzp9JzGKY)

Rajic Tamara, Dado Jaroslav, Taborecka-Petrovicova Janka (2013) Linking retail service quality, satisfaction and perceived value to customer behavioral intentions: Evidence from Serbia, E&M Ekonomie a

Management, Vol.16 No.2, pp. 99-112 (http://www.ekonomie-management.cz/archiv/detail/938-linking-retail-service-quality-satisfaction-and-perceived-value-to-customer-behavioral-intentions-evidence-from-serbia/)

Dado Jaroslav, Taborecka-Petrovicova Janka, Riznic Dejan, Rajic Tamara (2013) Linking service quality and satisfaction to behavioural intentions in higher education setting (2013) Ekonomicky casopis, Vol.61 No.6, pp. 578-596 (http://www.ceeol.com/aspx/issuedetails.aspx?issueid=cf189562-c644-4340-9923-e0b8e3a1b159&articleId=30008d25-dae3-4bee-a7eb-19d2a644b5fc)

Nened Milijić, Ivan Mihajlović, Nada Štrbac and Živan Živković (2013). Developing a Questionnaire for Measuring Safety Climate in the Workplace in Serbia, International Journal of Occupational Safety and Ergonomics, 19(4), (In Press) (http://www.ciop.pl/31122.html#pre_milijic_19_4)

Brodic, D.; Maluckov, C. A.; Peng, L. Estimation of the Text Skew in the Old Printed Documents. Internationl Journal of Computers, Communications and Control, Vol. 8, No.5, pp. 673-680, 2013.
WEB: http://univagora.ro/jour/index.php/ijccc/article/view/377

Brodic, D.; Milivojevic, Z. N. Text Line Segmentation with the Algorithm Based on the Oriented Anisotropic Gaussian Kernel. Journal of Electrical Engineering-Elektrotechnicky Casopis, Vol.64, No.4, pp.238-243, 2013. DOI:10.2478/jee-2013-0034 WEB: http://www.degruyter.com/view/j/jee.2013.64.issue-4/jee-2013-0034/jee-2013-0034.xml

Milivojevic, Z. N.; Brodic, D. Estimation of the Fundamental Frequency of the Speech Signal Compressed by MP3 Algorithm. Archives of Acoustics, Vol.38, No.3, pp.363-373, 2013. DOI:10.2478/aoa-2013-0043
WEB: http://www.degruyter.com/view/j/aoa.2013.38.issue-3/aoa-2013-0043/aoa-2013-0043.xml

Brodic, D.; Milivojevic, Z. N. Log-polar Transformation as a Tool for Text Skew Estimation. Elektronika Ir Elektrotechnika, Vol.19, No.2, pp.61-64, 2013. DOI:10.5755/j01.eee.19.2.3471
WEB: http://www.eejournal.ktu.lt/index.php/elt/article/view/3471

Radetic, R.; Milivojevic, D. R.; Pavlov, M.; Brodic, D. One Way of Output Voltage Hold Circuit Improvement at Low Resistance Comparator. Journal of Electrical Engineering-Elektrotechnicky Casopis, Vol.63, No.4, pp.266-269, 2013. DOI:10.2478/v10187-012-0038-2
WEB: http://versita.metapress.com/content/w23585v0225p0gg0/

2012

I. Djolović, E.Malkowsky, On Matrix Mappings Into Some Strong Cesàro Sequence Spaces, Applied Mathematics and Computation, 218(2012), No.10, 6155-6163

Ivan Mihajlovic, Nada Štrbac, Predrag Djordjevic, Aleksandra Mitovski, Djordje Nikolic, Zivan Zivkovic (2012). Optimum conditions for copper extraction from the flotation waste using factorial experimental design. Environment Protection Engineering, 38(4): 171-184. http://epe.pwr.wroc.pl/2012/4-2012/Mihajlovic_4-2012.pdf

Riznić T. Dejan i Kovačević J. Bojan : “Water Temperature Adjustment in Spas by the Aid of Heat Pumps”, THERMAL SCIENCE, (2012), vol. 16 br. 4, str. 1127-1136

Ivan Jovanović, Predrag Stanimirović, (2012). A blending problem in copper production. Environmental Modeling and Assessment, 17(5), 495-503.doi: 10.1007/s10666-012- 9309-3. Publisher: Springer. ISSN: 1420-2026 (Print); E-ISSN: 1573-2967 (Online). JCR-IF=0.977; 160/210 (2012). URL: http://link.springer.com/article/10.1007/s10666-012-9309-3

Predrag Djordjevic, Natasa Mitevska, Ivan Mihajlovic, Djordje Nikolic, Dragan Manasijevic, Zivan Zivkovic (2012). The effect of copper content in the matte on the distribution coefficients between the slag and the matte for certain elements in the sulphide copper concentrate smelting process. Journal of Mining and Metallurgy Section B-Metallurgy, Technical Faculty Bor, 48(1): 143-151. DOI:10.2298/JMMB111115012D, http://www.doiserbia.nb.rs/ft.aspx?id=1450-53391200012D

Arsić, M., Nikolić, Đ., Mihajlovic, I., Živković, Ž., Đorđević, P., (2012). Monitoring of ozone concentrations in the Belgrade urban area. Journal of Environmental Protection and Ecology 13 (4), pp.2057-2063. https://docs.google.com/a/jepe-journal.info/viewer?a=v&pid=sites&srcid=amVwZS1qb3VybmFsLmluZm98amVwZS1qb3VybmFsfGd4OjVhOTYzNTA3YzE3MTFkOGI

Arsić, M., Nikolić., Dj., Živković, Ž., Urošević, S., Mihajlović, I. (2012). The effects of TQM on employee loyalty in transition economy, Serbia. Total Quality Management and Business Excellence, Vol.23(5/6), pp.719-729. http://web.ebscohost.com/ehost/detail?vid=4&sid=d2a951e9-cb0c-4057-b741-f40b92fa5e9d%40sessionmgr15&hid=10&bdata=JnNpdGU9ZWhvc3QtbGl2ZQ%3d%3d#db=buh&AN=77441471

Dejan Bogdanović, Đorđe Nikolić, Ivana Ilić. Mining method selection by integrated AHP and PROMETHEE method. Anais da Academia Brasileira de Ciências 84(1) (Annals of the Brazilian Academy of Sciences), Printed version ISSN 0001-3765 / Online version ISSN 1678-2690 (2012) p. 219-233.
Print version ISSN 0001-3765[JCR – IF = 1.094 (2011) 15/56]
http://dx.doi.org/10.1590/S0001-37652012005000013
Link: http://www.scielo.br/pdf/aabc/v84n1/aop1612.pdf
www.scielo.br/aabc

Brodic, D.; Milivojevic, Z. N. Estimation of the Handwritten Text Skew Based on Binary Moments. Radioengineering, Vol.21, No.1, pp.162-169, 2012.
WEB: http://www.radioeng.cz/papers/2012-1.htm

Brodic, D.; Milivojevic, Z. N.; Tanikic, Dejan; Milivojevic, Dragan R. Optimization of the Extended Water Flow Algorithm for the Text-Line Segmentation. Editor(s): Reljin, B; Stankovic, S., 11th Symposium on Neural Network Applications in Electrical Engineering (NEUREL), Belgrade, Serbia, pp.107-110, 2012. DOI:10.1109/NEUREL.2012.6419975

Brodic, D.; Milivojevic, D. R. An Algorithm for the Estimation of the Initial Text Skew. Information Technology and Control, Vol.41, No.3, pp.211-219, 2012. DOI:10.5755/j01.itc.41.3.1249
WEB: http://www.itc.ktu.lt/index.php/ITC/article/view/1249

Milivojevic, Z. N.; Milivojevic, M.; Brodic, D. The Effects of the Acute Hypoxia to the Fundamental Frequency of the Speech Signal. Advances in Electrical and Computer Engineering. Vol.12, No.2, pp.57-60, 2012. DOI:10.4316/AECE.2012.02010
WEB: http://www.aece.ro/abstractplus.php?year=2012&number=2&article=10

Brodic, D.; Milivojevic, Z. N.; Milivojevic, D. R. Approach to the Improvement of the Text Line Segmentation by Oriented Anisotropic Gaussian Kernel. Elektronika Ir Elektrotechnika, Vol.18, No.2, pp.89-94, 2012. DOI: 10.5755/j01.eee.118.2.1181 WEB: http://www.eejournal.ktu.lt/index.php/elt/article/view/1181

Brodic, D. Extended Approach to Water Flow Algorithm for Text Line Segmenation. Journal of Computer Science and Technology, Vol.27, No.1, pp.187-194, 2012. DOI: 10.1007/s11390-012-1216-1
WEB: http://jcst.ict.ac.cn:8080/jcst/EN/abstract/abstract9485.shtml

Brodic, D. Methodology for the evaluation of the algorithms for text segmentation based on errors type. Przeglad Elektrotechniczny, Vol.88, No.1B, pp.259-263, 2012.
WEB: http://pe.org.pl/issue.php?lang=1&num=01b/2012

Brodic, D.; Milivojevic, D. R.; Milivojevic, Z. N. An Approach to a Comprehensive Test Framework for Analysis and Evaluation of Text Line Segmentation Algorithms. Sensors, Vol.11, No.9, pp.8782-8812, 2012. DOI:10.3390/s110908782
WEB: http://www.mdpi.com/1424-8220/11/9/8782

Milivojevic, Z. N.; Brodic, D. Estimation of the Fundamental Frequency of the Speech Signal Compressed by G.723.1 Algorithm Applying PCC Interpolation. Journal of Electrical Engineering-Elektrotechnicky Casopis, Vol.62, No.4, pp.181-189, 2012. DOI:10.2478/v10187-011-0030-2
WEB: http://iris.elf.stuba.sk/cgi-bin/jeeec?act=pr&no=4_112

Brodic, D. The Evaluation of the Initial Skew Rate for Printed Text. Journal of Electrical Engineering-Elektrotechnicky Casopis, Vol.62, No.3, pp.134-140, 2012. DOI:10.2478/v10187-011-0022-2
WEB: http://iris.elf.stuba.sk/cgi-bin/jeeec?act=pr&no=3_112

Urošević Snežana, Đorđević D., Ćoćkalo D., "Analysis of finishing works aspects as development assumption of textile and clothing industry in Republic of Serbia", Tekstil ve konfeksyon, ISSN: 1300-3356, Volume: 22 Issue: 3/July –September, 2012, pp.190-196.
http://www.tekstilvekonfeksiyon.com/en/analysis-of-finishing-works-aspects-as-development-assumption-of-textile-and-clothing-industry-in-republic-of-serbia-359.html

Andevski M., Urošević Snežana, Stamatović M., "Discourse of sustainable development-a base of environmental education in Serbia", Environmental Engineering and Management Journal, EEMJ, ISSN 1582-9596, Vol. 11, No. 9/2012, pp. 1611-1636.
http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no9/11_365_Andevski_10.pdf

Đorđević S., Nikolić Lj. Urošević Snežana, Đorđević D., "Importance of polymer size rheology for efficient sizing of cotton warp yarns", Tekstil ve konfeksyon, ISSN: 1300-3356, Volume: 22 Issue: 2/April-June 2012, pp.77-82.
http://www.tekstilvekonfeksiyon.com/en/importance-of-polymer-size-rheology-for-efficient-sizing-of-cotton-warp-yarns-340.html

Biočanin R., Stefanov S., Urošević Snežana, Mekić S., "Modeling of pollutants in the air in terms of fire on dumps", Journal Ecological Chemistry and Engineering S. ISNN 1898-6196, Volume 19, Issue 4/2012, pp. 609-616.
http://www.degruyter.com/view/j/eces.2012.19.issue-4/v10216-011-0043-6/v10216-011-0043-6.xml

Kocev, D. On weaker forms of relator Menger, relator Rothberger and relator Hurewicz properties, Filomat 26:3 (2012), 427-437. [ISSN: 0354-5180; IF(2012)=0.421; Mathematics 207/289, M23]

2011

N. Štrbac, I. Mihajlović, V. Andrić, Ž. Živković, A. Rosić, Kinetic Investigations of Two Processes for Zinc Recovery from a Zinc Plant Residues, Canadian Metallurgical Quarterly, 50(1)2011.pp. 28-36. ISSN: 0008-4433.

R. Smiljanić, D. Lazić, M. Gligorić, M. Jotanović, Ž. Živković, I. Mihajlović, Modeling the process of $Al(OH)_3$ crystallization from the industrial sodium aluminate solutions using the artificial neural networks, Journal of the Serbian Chemical Society, 76 (8) 1163–1175 (2011).

Mihajlovic, I., Štrbac, N., Nikolic, Dj., Živkovic, Z. (2011). Potential metallurgical treatment of copper concentrates with high arsenic contents. Journal of the Southern African Institute of Mining and Metallurgy111 (6): 409-416. http://www.saimm.co.za/Journal/v111n06p409.pdf

Nikolić, Dj., Milošević, N., Živković, Z., Mihajlović, I., Kovačević, R., Petrović, N. (2011). Multi-criteria analysis of soil pollution by heavy metals in the vicinity of the Copper Smelting Plant in Bor (Serbia).Journal of the Serbian Chemical Society 76 (4): 625-641. http://www.doiserbia.nb.rs/Article.aspx?ID=0352-51391100054N&AspxAutoDetectCookieSupport=1

E.Malkowsky, I. Djolović, Compact Operatos Into the Spaces of Strongly C_1 Summable and Bounded Sequences, Nonlinear Analysis: Theory Methods and Applications, 74(2011), 3736-3750

I. Djolović, E.Malkowsky, Characterizations of Compact Operators on Some Euler Spaces of Difference Sequences of Order m, Acta Mathematica Scientia, 31(2011), No.4, 1465-1474

Đurić Isidora, Mihajlović Ivan, Živković Živan, Artificial neural network prediction of the aluminum extraction from bauxite in the Bayer process,(2011), JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 193-193, ISSN: 0352-5139. http://journaldatabase.org/articles/artificial_neural_network_prediction_aluminum.html

Ivana Ilić, Dejan Bogdanović, Novica Milošević, Boban Todorović. Optimization of heavy metals total emission, case study: Bor (Serbia), Atmospheric Research, 101 (2011), 450-459, ISSN - 0169-8095 [JCR – IF = 1.911 (2011) 32/71]
Link: http://ac.els-cdn.com/S0169809511000937/1-s2.0-S0169809511000937-main.pdf?_tid=10159510-63a7-11e2-9679-00000aacb35e&acdnat=1358758175_be3b437371f3e4a5ca02dbb60c509632

Urošević Snežana, Fedajev A., Nikolić R., "Significance and perspectives of textile industry in Republic of Serbia in transitional environment", Industria textila, ISNN 1222-5347, Vol.62, No 3/ 2011 pages 134-140.
http://www.certex.ro/Certex/IndustriaTextila/RezumateArticole201103.pdf

Urošević Snežana, Stamatović M., "Role of small and medium-sized enterprises in enhancement of the Serbian textile industy in times of crisis", Fibres & Textiles in Eastern Europe, ISNN 1230-3666, Issue 4 (87) 2011, pages 14–19. http://fibtex.lodz.pl/article535.html

Đorđević D., UroševićSnežana, Miljković M., Stamenković M., "Asorption bahaviour of direct dye on cotton without any additions", Tekstil Journal Croatia, ISSN 0492-5882, November 2011, Vol. 60. No. 11, pp. 573-579.http://www.tekstiljournal.org/index.php/Tekstil_Journal_Crovatia04925882/search/results

Đorđević D., Ćoćkalo D., Urošević Snežana, Đekić V., "Clusters and competitive ability of small and medium enterprises in the textile and clothing industry: Serbian economy reviev", Fibres & Textiles in Eastern Europe, ISNN 1230-3666, Issue 5 (88)/2011 pages 12–16. http://fibtex.lodz.pl/article569.html

Arsić, M., Nikolić, Đ., Đorđević, P., Mihajlovic, I., Živković, Ž. (2011) Episodes of extremely high concentrations of tropospheric ozone in the urban environment in Bor – Serbia. Atmospheric Environment, 45 (32); pp.5716-5724. http://ac.els-cdn.com/S1352231011007497/1-s2.0-S1352231011007497-main.pdf?_tid=936c38f4-5057-11e3-8909-00000aab0f27&acdnat=1384782461_337ec30ffa5bb3896799f79a363bb359

Brodic, D. Advantages of the Extended Water Flow Algorithm for Handwritten Text Segmentation. Editor(s): Kuznetsov, SO; Mandal, DP; Kundu, MK; et al. 4th International Conference on Pattern Recognition and Machine Intelligence (PReMI), Pattern Recognition and Machine Intelligence, Lecture Notes in Computer Science Vol.6744, pp.418-423, Moscow, Russia, 2011. DOI: 10.1007/978-3-642-21786-9_68. WEB: http://link.springer.com/chapter/10.1007%2F978-3-642-21786-9_68

Brodic, D.; Milivojevic, Z. N. A New Approach to Water Flow Algorithm for Text Line Segmentation. Journal of Universal Computer Science, Vol.17, No.1, pp.30-47, 2011. DOI:10.3217/jucs-017-01-0030 .
WEB: http://www.jucs.org/jucs_17_1/a_new_approach_to

Brodic, D. Methodology for the Evaluation of the Algorithms for Text Line Segmentation Based on Extended Binary Classification. Measurement Science Review, Vol.11, No.3, pp.71-78, 2011. DOI:10.2478/v10048-011-0016-z WEB: http://www.degruyter.com/view/j/msr.2011.11.issue-3/v10048-011-0016-z/v10048-011-0016-z.xml

2010

Živković, Ž., Mitevska, N., Mihajlović, I., Nikolić, Dj.(2010). Copper losses in sulfide concentrate smelting slag are dependent on slag composition. Minerals and Metallurgical Processing 27 (3): 141-147. http://www.smenet.org/minerals-and-metallurgical-processing-journal/201008/issue.cfm?CFID=13612859&CFTOKEN=59790626&jsessionid=f030dd1029024be2e42b276d59104930563b

Nikolić, Dj., Milošević, N., Mihajlović, I., Živković, Z., Tasić, V., Kovačević, R., Petrović, N. (2010). Multi-criteria analysis of air pollution with SO_2 and PM_{10} in urban area around the copper smelter in Bor, Serbia. Water, Air, and Soil Pollution 206 (1-4): 369-383. http://link.springer.com/article/10.1007%2Fs11270-009-0113-x/fulltext.html

I. Djolović, E.Malkowsky, The Hausdorff Measure of Noncompactness of Operators on the Matrix Domains of Triangles in the Spaces of Strongly C_1 Summable and Bounded Sequences. Applied Mathematics and Computation, 216(2010), 1122-1130

I. Djolović, On Compact Operators on Some Spaces Related to Matrix B(r,s), Filomat, 24(2010), No.2, 41-51

Urošević Snežana, Đorđević D., Bešić C., "Education of skilled workers-the concurrence factor in textile and clothing industy", Technics Technologies Education Management (2010) ISSN 1840-1503, Vol. 5. No.1 str. 148-165. http://www.ttem.ba/pdf/ttem_5_1_web.pdf

Predrag S. Stanimirović, Nebojša V. Stojković, Ivan M. Jovanović, (2010). Symbolic implementation of interior point method for linear programming problem.International Journal of Computer Mathematics, 87, 2173–2187. doi: 10.1080/00207160902721789. Publisher: Taylor & Francis. ISSN: 0020-7160 (Print); E-ISSN: 1029-0265 (Online). JCR-IF=0,589; 152/236 (2010). URL: http://dx.doi.org/10.1080/00207160902721789

Djuric Isidora , Mihajlovic Ivan N, Zivkovic Zivan D, Kinetic Modelling of Different Bauxite Types in the Bayer Leaching Process, CANADIAN METALLURGICAL QUARTERLY, (2010), vol. 49 br. 3, str. 209-217 http://www.ingentaconnect.com/content/maney/cmq/2010/00000049/00000003/art00001
Djuric Isidora, Djordjevic P, Mihajlovic Ivan N, NikolicDjordje, ZivkovicZivan D, Prediction of Al(2)O(3) Leaching Recovery in the Bayer Process Using Statistical MultilinearRegresion Analysis, JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY, (2010), vol. 46 br. 2, str. 161-169http://scindeks.ceon.rs/article.aspx?artid=1450-53391002161D

DjuricIsidora, Mihajlovic Ivan N, Bogdanovic D, ZivkovicZivan D, Modelling the process of kaolinite leaching from a copper mine flotation waste, CLAY MINERALS, (2010), vol. 45 br. 1, str. 107-114. http://claymin.geoscienceworld.org/content/45/1/107.abstract

ZivkovicZivan D, Mihajlovic Ivan N, DjuricIsidora, Strbac Nada D, Statistical Modeling of the Industrial Sodium Aluminate Solutions Decomposition Process, METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE, (2010), vol. 41 br. 5, str. 1116-1122 http://link.springer.com/article/10.1007%2Fs11663-010-9407-z

DjuricIsidora, Mihajlovic Ivan N, ZivkovicZivan D, FilipovicRadislav, Modeling the Compensation Effect for Different Bauxite Types Leaching in Naoh Solution, CHEMICAL ENGINEERING COMMUNICATIONS, (2010), vol. 197 br. 12, str. 1485-1499 http://www.tandfonline.com/doi/abs/10.1080/00986445.2010.484996?journalCode=gcec20#.Uon113Ce3NM

Ivana Ilić, Dragana Živković, Nenad Vušović, Dejan Bogdanović. Optimizing the SO_2 total emission control strategy: case study-Bor (Serbia), Environmental monitoring and assessment, 169 (2010) pp 587-596, ISSN – 1573-2959 (on line), 0167-6369 (print). [JCR – IF = 1.400 (2011) 118/205]
Link: http://link.springer.com/content/pdf/10.1007%2Fs10661-009-1198-9

Isidora Djurić, Ivan Mihajlović, Dejan Bogdanović, Živan Živković. Modelling the process of kaolinite leaching from a copper mine flotation waste.Clay Minerals, Volume 45, Number 1 (2010) pp. 107-114(8). ISSN – 0009-8558[JCR – IF = 1.341 (2010) 108/170]
Publisher: Mineralogical Society
DOI: 10.1180/claymin.2010.045.1.107Link: http://www.ingentaconnect.com/content/minsoc/cm/2010/00000045/00000001/art00008

Brodic, D.; Milivojevic, Z. N. Optimization of the Gaussian Kernel Extended by Binary Morphology for Text Line Segmentation, Radioengineering, Vol.19, No.4, pp.718-724, 2010.
WEB: http://www.radioeng.cz/papers/2010-4.htm

Brodic, D.; Milivojevic, D. R.; Milivojevic, Z. N. Basic Test Framework for the Evaluation of Text Line Segmentation and Text Parameter Extraction, Sensors, Vol.10, No.5, pp.5263-5279, 2010. DOI:10.3390/s100505263 WEB: http://www.mdpi.com/1424-8220/10/5/5263

Brodic, D.; Milivojevic, Z. N. An Approach to Modification of Water Flow Algorithm for Segmentation and Text Parameters Extraction. Editor(s): CamarinhaMatos, LM; Pereira, P; Ribeiro, L, 1st IFIP Doctoral Conference on Computing, Electrical and Industrial Systems Location, Emerging Trends in Technological Innovation, IFIP Advances in Information and Communication Technology, Vol.314, pp.324-331, Costa de Caparica, Portugal, 2010. DOI:10.1007/978-3-642-11628-5_35 WEB: http://link.springer.com/chapter/10.1007%2F978-3-642-11628-5_35

Brodic, D. Basic Experiments Set for the Evaluation of the Text Line Segmentation. Przeglad Elektrotechniczny, Vol.86, No.11A, pp.353-357, 2010. WEB: http://pe.org.pl/issue.php?lang=1&num=11a/2010

Brodic, D. Optimization of the Anisotropic Gaussian Kernel for Text Segmentation and Parameter Extraction. Editor(s): Calude, CS; Sassone, V, 6th IFIP International Conference on Theoretical Computer Science, Theoretical Computer Science, IFIP Advances in Information and Communication Technology, Vol.323, pp.140-152, Brisbane, Australia, 2010. DOI:10.1007/978-3-642-15240-5_WEB: http://link.springer.com/chapter/10.1007%2F978-3-642-15240-5_11#page-1

I. Mihajlović, N. Štrbac, Lj. Balanović, Ž. Živković, A. Jovanović, Numerical modelling of the vacuum degassing process of molten steel with advanced characteristics, Optoelectronics and Advanced Materials – rapid communications, 4 (3), (2010), 385 – 389. ISSN Print: 1842-6573.

Kocev, D. Selection principles in relator spaces, Acta Mathematica Hungarica 126 (1-2) (2010), 78-93. [ISSN: 0236-5294; IF(2011)=0,521; Mathematics 172/279, M23]

2009

Živković, Ž., Mitevska, N., Mihajlović, I., Nikolić, Dj.(2009). The influence of the silicate slag composition on copper losses during smelting of the sulfide concentrates.Journal of Mining and Metallurgy, Section B: Metallurgy 45 (1): 23-34. http://www.doiserbia.nb.rs/Article.aspx?ID=1450-53390901023Z

Nikolić, Dj., Jovanović, I., Mihajlović, I., Živković, Z. (2009). Multi-criteria ranking of copper concentrates according to their quality - An element of environmental management in the vicinity of copper - Smelting complex in Bor, Serbia. Journal of Environmental Management 91 (2): 509-515. http://www.sciencedirect.com/science/article/pii/S0301479709003144#

I. Djolović, E.Malkowsky, A Note on Fredholm Operators on $(c_0)_T$, Applied Mathematics Letters, 22(2009), No.11, 1734-1739

2008

I. Djolović, E.Malkowsky, A Note on Compact Operators on matrix domains, Journal of Mathematical Analysis and Applications, 340(2008), No.1, 291-303

I. Djolović, E.Malkowsky, Matrix transformations and compact operators on some new mth-order difference sequences,Applied Mathematics and Computation, 198(2008), No.2, 700-714

I. Mihajlović, Ž. Živković, S. Prvulović, N. Štrbac, D. Živković, Factors influencing job satisfaction in transitional economies, Journal of General Management, 34 (2) Winter, (2008), 71-87. ISSN 0306-3070.

2006

I. Djolović, Compact Operators on the Spaces $a^r_0(\Delta)$ and $a^r_c(\Delta)$, Journal of Mathematical Analysis and Applications, 318(2006), No.2, 658-666

I. Djolović, On the space of bounded Euler difference sequences and some classes of compact operators, Applied Mathematics and Computation, 182(2006), No.2, 1803-1811

I. Mihajlovic, Nada Strbac, Zivan Zivkovic, Renata Kovacevic and Mirjana Stehernik, A potential method for arsenic removal from copper concentrates, Minerals Engineering 20 (2007) 26-33. ISSN: 0892-6875

2005

I. Mihajlović, Nada D. Štrbac, Živan D. Živković and Ilija ilić*, Kinetics and mechanism of As_2S_2 oxidation, Journal of the Serbian chemical society 70(6)(2005)869-877. ISSN: 0352-5139.

Ž.Živković, D. Živković, A. Jovanović, I. Mihajlović, Development of technology for reduction process of copper production, Materials Science Forum, 502(2005)361-366. ISSN: 0255-5476.

SUGGESTIONS FOR CONSULTANCIES, SEMINARS AND TRAININGS:

Responsible researcher – **Dejan Bogdanović**	
Subject	**Description**
Operations researches	**Short description -**Techniques and methods of operations researches - Linear Programming, Non-linear Programming and Dynamic programming. **Potential users -** Engineers of all specialties who work in industry and services. **Seminar duration–** 16h.
Portfolio project management	**Short description -**Program Management, Portfolio Characteristics Definitions. Methods and Techniques of Portfolio Project. Multi-Project Company. **Potential users -** Engineers of all specialties who work in industry and services.

	Seminar duration– 16h.
Responsible researcher – **Ivica Nikolić**	
Subject	**Description**
Training for the statistical analysis of data	**Short description -**The aim of the course is to provide a review of basic and specific knowledge about the possibilities of using a computer programs to process the quantitative data that allows mastery of the knowledge, presentation and interpretation of research results. Classes are held in the form of lectures with practical exercises on the computer. The exam is taken in writing.Syllabus The lecture on the course discusses the following topics: - Preparation and organization of data entry - Transforming the values of variables - Choosing the appropriate statistical test and interpretation of results - Creation and graphic interpretation of results - Calculation and tabulation: • descriptive indicators • correlation coefficients • parametric statistical tests • non-parametric statistical tests **Potential users -** small and medium sized enterprises **Seminar duration–** 10h.
Techniques of quick learning and reading	**Short description -**It is a method by which the accelerated reading, increases concentration, attention and recall. Training consists of 10 hours during which the coach demonstrates the technique, the participants, trains and test its performance. Speed reading techniques are learned through training to increase the speed of receiving and decoding text, training concentration and learning organization. **Potential users -** students and pupils **Seminar duration–** 10h.
Responsible researcher – **Danijela Voza**	
Subject	**Description**
Effective Public Speaking and Presentation Skills	**Short description -**Strategy and tips how to prepare, write and deliver successful presentation; How to communicate effectively and transfer the message that public listen, understand and act.

	Potential users - managers, university students **Seminar duration–** 6h.
Communication Skills	**Short description -**Improving interpersonal skills; Promoting face–to-face conversation and professionally written e-mail exchange; **Potential users –** university students, public servants, managers **Seminar duration–** 6h.
Planning Careers	**Short description -**Preparing students and graduates to explore opportunities and own preferences, as well as to plan career. **Potential users -** high school students **Seminar duration–** 4h.
Responsible researcher – **Dragan Manasijević**	
Subject	**Description**
Statistical analysis of data using SPSS program	**Short description -**Fundamentals of statistical data analysis using SPSS software **Potential users –** students, entrepreneurs, public officers **Seminar duration–** 20 hours.
Quantitative methods in management using QM for Windows	**Short description -**Application of quantitative methods in management using QM for Windows software **Potential users -–** students, entrepreneurs, management structures in public and private companies **Seminar duration–** 20 hours.
Responsible researcher – **Nenad Milijić**	
Subject	**Description**
Application of MS Project in operational planning	**Short description -**Displaying of all activities on the project and progress monitoring in real time. Management of all types of resources. Using of different types of reports. **Potential users -** managers, university students

	Seminar duration– 6h.
The impact of human resource potential on safety climate	**Short description -**Using the potential of human resources according to demographic factors. Analysis of safety factors and safety issues and connection with the appropriate subgroups of employees in order to achieve a higher level of safety climate. **Potential users -** different levels of managers **Seminar duration–** 6h.
Responsible researcher – **Aleksandra Fedajev**	
Subject	**Description**
Accounting	**Short description–** Bookkeeping of business transactions in the enterprise. **Potential users -** students, unemployed people, entrepreneurs. **Seminar duration–**12 h.
Financial analysis of enterprises	**Short description -** Ratio analysis of business operations. **Potential users -** students, managers, unemployed people, entrepreneurs. **Seminar duration–**10 h.
Macroeconomic analysis	**Short description -** Macroeconomic data collection and comparative analysis of macroeconomic stability in chosen economies. **Potential users -** students, entrepreneurs. **Seminar duration–** 10 h.
Regional development analysis	**Short description -** Measuring and comparison of the development in different regions in the country. **Potential users -** public servants. **Seminar duration–**6 h.
Improvement of public administration	**Short description -** Pointing out the possibilities of administrative procedures improvement in the public service. **Potential users -** public servants. **Seminar duration–**6 h.

Responsible researcher – **Isidora Milošević**	
Subject	**Description**
Getting to know your own business to exploit the opportunities	**Short description -**The aim of the seminar is the training and education of staff for the professional and collective SWOT analysis to staff on the most appropriate way perceive the market in which they operate, as well as the climate within the company. The seminar would be based on a detailed analysis of internal and external factors that will enable the determination of the optimal strategy for achieving company objectives in terms of decision-making in the presence of uncertainty in a dynamic environment. **Potential users -** Entrepreneurs, SMEs, NGO **Seminar duration –** 10-15h
Responsible researcher – **Darko Brodić**	
Subject	**Description**
Internet and Intranet in the Small Companies	**Short description -**Introduction in e-business activities on Internet and Intranet for the Small Companies, Internet and Intranet, B2B, B2C, e-banking **Potential users -** Engineers of all specialties who work in industry and services. **Seminar duration:** 20h
Responsible researcher – **Tamara Rajić**	
Subject	**Description**
How to attract, keep and improve customer relationships	**Short description -** The aim of the seminar is to instill knowledge into participants of the importance of customer satisfaction and loyalty in contemporary competitive markets and necessary prerequisites for attracting and keeping customers. Participants would gain knowledge of market research techniques, organization of market research, data analysis, reporting and strategies for building loyal base of valuable customers. **Potential users -**Entrepreneurs, SMEs, NGO. **Seminar duration -** 10h
Responsible researcher – **Ivana Đolović**	
Subject	**Description**
Math Playground	**Short description -** The aim of the project is promotion and popularization of mathematics. This can be achieved by solving many problems which surround us applying

	mathematical tools, more or less easily, but interesting, for sure. **Potential users -**all interested (pupils – primary school from 5. grade, secondary school, parents, students) **Seminar duration -**10h
Subject	**Description**
How to Write a Scientific Papar and Use of LaTex	**Short description -**How to write a paper in scientific journal style and format (meaning of scientific style, SCI list, use of LaTex) **Potential users -** students, gifted pupils (secondary school) and young researchers **Seminar duration -** 10 h
Responsible researcher – **Ivan Jovanović**	
Subject	**Description**
Development of the concept of a business plan as a baseline document for starting a new entrepreneurial venture	**Short description -** Every business venture should first carefully designed then it is possible to objectively plan, if we are its efficient and effective implementation. Therefore, the main aim of the seminar is the education and training of staff to work independently when developing the concept of a business plan. **Potential users -** students (graduate and unfinished), engineers of all professions, managers in companies, business people, entrepreneurs (existing and future). **Seminar duration -**6 h
Creating a business plan as a binding document for starting a new entrepreneurial venture	**Short description -** The aim of the seminar is to educate and training of staff to independently prepare a business plan. Definition, meaning, purpose, basic elements, and implementation of the business plan. Market analysis, production and sales plan, human resources plan, marketing plan, plan financially, efficiency rating business. **Potential users -** students (graduate and unfinished), engineers of all professions, managers in companies, business people, entrepreneurs (existing and future). **Training duration -**24 h
The application of techniques Gantt-chart for planning, monitoring and implementation of	**Short description -** The significance, design and implementation Gantt-chart as a basic technique for scheduling projects. **Potential users-**students (graduate and unfinished),

projects	engineers of all professions, managers in companies. **Training duration -**6h.
The application of network planning technique for optimizing resources in projects	**Short description -** Analysis of the structure, the analysis time, resource analysis, cost analysis, CPM, PERT, PERT-COST, PDM . **Potential users -** students (graduate and unfinished), engineers of all professions, managers in companies. **Training duration -**20 h.
Using the software program Microsoft Project for planning, monitoring and implementation of modern projects	**Short description -**The aim of the seminar is to, through practical work on the computer, perform education and training of of staff for the independent application of software tools MS Project. **Potential users -** students (graduate and unfinished), engineers of all professions, managers in companies. **Training duration -** 20 h
Creating project plans as a binding document for the project implementation	**Short description -** The aim of the seminar is to educate and training of staff to independently prepare and implement the Project Plan, the basic document when preparing of the project for implementation. **Potential users -** students (graduate and unfinished), engineers of all professions, managers in companies. **Training duration -** 16 h
Histogram - a tool that is used for resource allocation and resource optimization in projects	**Short description -** The aim of the seminar is to educate and training of staff to independently prepare and implement Histogram tool, which is used in the distribution of homogeneous and non-homogeneous workforce on projects. **Potential users -** students (graduate and unfinished), engineers of all professions, managers in companies. **Training duration -** 6 h
Brainstorming - a technique for solving problems	**Short description -** Brainstorming is a group or individual creativity technique by which efforts are made to find a conclusion for a specific problem by gathering a list of ideas spontaneously contributed by its member (participants in brainstorming). The aim of the seminar is to educate and training of participants in mastering this technique. **Potential users -** students (graduate and unfinished), engineers of all professions, managers in companies. **Training duration -** 8 h
Using a SWOT analysis for the identification of strategic choices	**Short description -** SWOT analysis is a structured planning method used to evaluate the Strengths, Weaknesses, Opportunities, and Threats involved in a project or in a business venture. The aim of the seminar is to educate and training of participants in mastering this method. **Potential users -** students (graduate and unfinished),

	engineers of all professions, managers in companies. **Training duration -** 8 h
Responsible researcher – **Milica Arsić**	
Subject	**Description**
How to write business plan?	**Short description -** Understanding the need of writing a business plan before starting any business activity. Development of business ideas through the basic elements of a business plan. **Potential users -** entrepreneurs, unemployed people. Training duration: 10 h
Pro-active job search	**Short description -** Introductions to strategies how to utilize your time wisely in job search. Providing assistance in writing an effective CV and cover letter. Answering the questiones: How to prepare for interview and how to act during the interview? **Potential users -** students, unemployed people. **Training duration -** 6 h
Responsible researcher –Predrag Đorđević	
Subject	**Description**
The application of quality tools to increase the efficiency of small and medium enterprises	**Short description -**This training workshop provides an opportunity for its participants to get familiar with effective problem solving tools in order to find the causes of the problems, improve product quality, productivity and process management. The training program contains discussion on all of the seven basic tools of Quality Control, such as Pareto Diagram, Scatter Diagram and Correlation Analysis, Ishikawa Diagram, Control Charts, etc. with illustrative examples of real industrial application of these tools. **Potential users -** entrepreneurs, managers of SMEs, graduate students. **Training duration -** 6h
Responsible researcher –**Snežana Urošević**	
Subject	**Description**
Seminar for employees and managers to improve their managerial skills: Successful recruitment, interviewing skills and techniques and testing Motivation of employees	**Short description -**By attending this session, participants will gain the skills to create descriptions and advertisements for the position, adopt the techniques of selection of candidates, get concrete tools to test the candidate answers and to the evaluation of candidates. This training will help managers create a more dynamic, loyal and productive team. The training is designed specifically for managers to recognize what employees want, and training participants will learn how to motivate

	employees **Potential users -** Managers and employees **Training duration -** 2x6-hour course
Responsible researcher –**Đorđe Nikolić**	
Subject	**Description**
How to make right decisions	**Short description -**The aim of this training course is to introduce decision making process and also to presents examples of the decision-making methods in action and recommends sources of additional information on decision-making methods. Furthermore, during this seminar participants will learn how to build different models which will assist them in making decisions that solve business problems. The modeling techniques that will be studied throughout this seminar, are: • Module 1: Linear Programming optimization technics (Modeling and Solving LP Problems in a MS Excel spreadsheet), • Module 2: Regression Analysis and Forecasting techniques (Time Series) • Module 3: Decision Analysis (Decision making under risk and Multi-criteria decision making, Group decision making) **Potential users -**Persons who are involved in different decision-making processes. (Entrepreneurs, Managers in SMEs, Public sector employees) **Training duration -** at least 12h for each course module.
Responsible researcher –**Ivan Mihajlović**	
Quantitative techniques for manufacturing amangement and business process management	**Short description –** quantitative elements of production management and management of a business process. The course includes five modules. The first module is dealing with definition of production program of a company. Second module is about different types of production setups. The third module is describing the organization of the production process immediately before its starting phase. Fourth module is scheduling and time management and fifth module is quality control of the products. **Potential users -** Entrepreneurs, Managers in SMEs, Public companies employees and managers **Training duration**– 10 hours
Guidence Course for the HP Microenterprise Development Program (GET – IT) HP LIFE	**Short description –**HP LIFE program is continuance of a "Graduate Entrepreneurship Training through IT" (GET-IT), which is helping young un- or underemployed people and graduates –to acquire the business and IT skills to enter professional life, or to start their own businesses. (HP LIFE official site: http://www.lifegl o b a l . o r g / e n / A B O U T-T H E -PROGRAM/Find-a-Center). HP LIFE training consists of interactive courses that deal with practical IT solutions for daily business challenges. The core element is a curriculum called Technology Tools (T-

	Tools) that bridges the divide between pure business skills courses and technical skills courses. T-Tools fills the gap between business and standard IT courses. The modules explore how different IT solutions can address common business challenges in the areas of Management and Operations, Finances, Communication, and Marketing. Students are also in a better position to evaluate their skills and to identify their own needs for further training and development. **Potential users –** students, highschool students, young un- or underemployed people and graduates. **Training duration**– 16 hours

For concrete projects proposal / project rational – depending on type of project call

E) Project implementation / Award criteria	
E) 1. The project rationale*	
Please describe briefly the reasons why the proposed project is important for (the development of) your organization:	**For educational projects (Erasmus for ALL), TEMPUS and Life Long Learning initiatives:** Proposed project is of great interest for Technical faculty in Bor. The experience that will be developed during this project's realization will further sustain our skills and knowledge in development of contemporary educational process on our departments. This will also be a benefit for our students who will be direct beneficiaries of this project results. **For technology based projects (Horizon 2020):** This project proposal, apart from the analysis of the state of pollution of the area around the emission sources, also aims at activities for prevention of further pollution of the environment from such operations of the fossil fuel power plants, fuel processing plants and industrial plants, producing: copper, steel, cement and bulk chemicals, by predicting the potential excess pollutant emission according to the developed model. Considering that one of the outcomes of the research on this project will be the Registry of polluters in Serbia, which was not previously developed in this region (the data that is available in Serbia, considering the air, water and soil pollution are scarce: http://www.sepa.gov.rs/index.php), the knowledge that will be gained during the research will be a new type of knowledge for our scientific community and our organization. Also, cooperation with partners who are experts in environmental modeling and research, greenhouse gas research, carbon dioxide footprint, material flow management and sustainable development, will increase our further potentials and

	knowledge base.
E) 2. Quality of the partnership:	
Please outline, why your organisation is particularly qualified to participate in the project at hand (e.g. specific competences, specific staff and/or other resources relevant for the project, relevant references, specific experience with the target groups or other relevant institutions):	**For educational projects (Erasmus for ALL), TEMPUS and Life Long Learning initiatives:** management department of Technical faculty in Bor is actively involved in educational activities for past 12 years. During this period of time we have developed completely new curriculum, which was not present in such form in Serbia before. Also, during the time, our curriculum is constantly evolving toward best world practice in the scientific field of Engineering management. Our department isparticipating in International academic networks, for students and professors exchange. One of the networks, created with contribution of Technical Faculty in Bor is Resita – International Network for Entrepreneurship and Innovation (http://www.resitanet.ro/index.php?id=2). Member Universities of this network are: Germany (University of Applied Science Worms), Slovenia (GEA College, Ljubljana), Bulgaria (RUSE University), Romania (University Eftimie Murgy, Resita), Montenegro (University of Podgorica), Macedonia (American College), Bosnia and Herzegovina (University of Zenica), Albania (University of Tirana) and Serbia (University of Belgrade, Technical faculty in Bor). This network is financially supported by DAAD foundation.As the activities of this Network, Technical faculty in Bor is organizing International summer schools (for students) and International summer academies (for professors). Also, this network provides Management department of Technical Faculty in Bor is organizing International May Conference on Strategic Management (http://mksm.sjm06.com/), each year, staring form 2005. This is an international conference with more than 200 attendants each year. In the frame of this conference, International Students symposium on strategic management is also organized. Technical faculty in Bor is publishing two International Scientific Journals: Journal of Mining and Metallurgy, Section B: Metallurgy (Which is indexed on Thompson Reuters List) www.jmmab.com and Serbian Journal of Management (which is indexed by EBSCO Publishing) www.sjm06.com **For technology based projects (Horizon 2020):** Members of EMD have more than 100 of references published in international journals (SCI and SCIe list) and presented at international meetings, which are form the field of research proposed in frame of this project. The complete list of references published by the members of EMD, during last 10 years, is available in the appendix of this document.
Describe the specific circumstances/facts which lead to your organisation's relevant contribution	**For educational projects (Erasmus for ALL), TEMPUS and Life Long Learning initiatives:** The

to the success of the project?	employees of EMD at technical faculty in Bor, do have large experience in Academic networks building and operation. Also, Technical faculty in Bor is the only accredited partner of the HP LIFE program in Serbia (HP LIFE official site: http://www.lifegl o b a l . o r g / e n / A B O U T- T H E -PROGRAM/Find-a-Center). This program is based on most contemporary approach of integrating the ICT in entrepreneurship. Special interest of this project is in acceleration of youth entrepreneurship in the form of SME and microenterprises development. The program was originally developed as the GET IT project, managed by Micro Enterprise Acceleration Institute - MEA I (Switzerland). During 2012 this project continued as HP LIFE program. Education according to the HP LIFE program is organized in 49 countries around the world. As a participating organization, Technical faculty in Bor, received HP equipment, the T-Tools Guidance course for their trainers and the T-Tools training materials. One professor from Technical faculty in Bor, who is the project manager of HP LIFE Serbia, participated in a GET-IT Master training course and received: Practical, hands-on training in how to use information and communications technology to be more productive; Access to an online learning community with resources and tools to help sustain the trainees business's growth With obtained equipment and skills, members of EMD, developed the GET IT curriculum in Serbian language and integrated it in the 3rd year subjects of EMD: Management informational systems and Entrepreneurship. Also, 12 assistants from EMD on Technical faculty in Bor, obtained training and become certificated GET IT trainers. Subsequently, after the GET IT has become the LIFE program, Technical faculty in Bor continued with the partnership. During the year 2012, Technical faculty in Bor proposed the HP LIFE Serbia to Center for Promotion of Science in Belgrade (http://www.cpn.rs). The Center decided to support this project. Accordingly Technical Faculty in Bor organized training for students in high schools in Bor (the high school for economy and trade and the high school for technical education) and for students on Management department of TF Bor (the new HP LIFE training this way replaced the old GET IT at TF Bor). Obtained knowledge and experience gained on those activities will serve as the bases for relevant contribution to the success of the proposed project. **For technology based projects (Horizon 2020):** Representatives of the EMDfrom Technical faculty in Bor, University of Belgrade have conducted large number of investigations in the research field of air and soil pollution in the vicinity of large industrial

	facilities. Main object of our previous research work was the SO_2 and PM emission in the vicinity of copper smelter which is operational in the town where the Technical faculty is located (Bor, Serbia). The main target of our research was development of accurate model for prediction of SO_2 concentration, depending on input parameters of copper smelting process and the meteorological parameters. Also, we conducted research on dependence of PM pollution in the air and in the soil deepening on position of the area relative to smelter plant. Besides this, we have experience in analyzing the sources of tropospheric ozone in the urban environment. From our previous research, we obtained a database with air pollution indicators (SO2, NO, NOx, VOx, O_3 and PM), together with statistical evaluation of the data. Also, we developed numerical modeling approaches which can be used for processing and analysis of such data. During our previous research we further developed our skills in Material flow balancing, Environmental management, Quantitative data analysis, Numerical modeling, Statistical modeling (including linear and nonlinear statistics), Modeling of industrial processes and use of simulation techniques (Optimization methods – Linear Programming, Non-linear Programming, Dynamic Programming), Data mining, Algorithm development andmulticriteria models for ranking and selection of optimal solutions (Multicriteria methods: PROMETHEE, AHP, ELECTRE). This will be of use in our further research on proposed project.