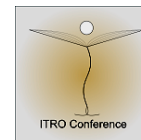**UNIVERSITY OF NOVI SAD
TECHNICAL FACULTY
"MIHAJLO PUPIN"
ZRENJANIN**

ITRO Conference

AGENDA

Friday, June 27th, 2014, Narodni dom Mihajla I. Pupina, Idvor*		
10.00	Departure from Technical faculty "Mihajlo Pupin"	
10.30-11.00	Registration of the participants	
11.00-11.30	Opening of the ITRO Conference – Welcome speech	**Prof. dr Milan Pavlović**, Dean of Technical Faculty "Mihajlo Pupin" **Prof. dr Dragoslav Petrović**, Provincial Secretariat for Science and Technological Development **Mr. Čedomir Janjić**, Mayor of Zrenjanin **Mr. Staniša Banjanin**, Chief of the school administration **Doc. dr Dijana Karuović**, Chairmen of the Organizing Committee
11.30-12.30	Keynote speakers (15 minutes each)	
	About Mihajlo Pupin	Miroslav Lambić, Technical faculty "Mihajlo Pupin", Zrenjanin, Republic of Serbia
	On a mixed-up schedule for teaching software quality and project management - An experience report	Csaba Szabo, Andreas Bollin, Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovakia
	Multicampus Distance Education based on Video-conferencing System	V. Bashovski, N. Koceska, S. Koceski, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
	Mihailo Pupin – Scientist, Publicist, Humanist, Patriot	Branka Jajić, "Zrenjanin" Newspaper, Zrenjanin, Republic of Serbia
12.30-13.00	Coffee break	
13.00-14.00	Presentations of the participants Poster sessions	
14.00-15.00	Lunch	
15.00-17.00	Presentations of the participants Poster sessions	
17.00	Conference closure	

* The National House of Mihajlo Pupin, Idvor, http://idvor.rs/index_2.htm

Conference hall, 13.00-14.00 & 15.00-17.00
(Oral presentations)

Chairman: Dragica Radosav, Dijana Karuović	
Clustering of Knowledge Innovation in Standardized "hardware's" Fields of Information Technology	Živadin Micić, Nebojša Stanković and Marija Blagojević, Faculty of Technical Sciences, University of Kragujevac, Čačak, Republic of Serbia
Characteristics of Online Curriculum and its Grounding in Contemporary Learning Theories	Gorana Bilić Prijić, Filozofski fakultet, Novi Sad, Republic of Serbia
Switching from Informix to Oracle in Teaching Database Systems	Henrieta Telepovska, Csaba Szabo, Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovakia
On the Role of User Stories in Software Engineering Education	Csaba Szabo, Zdenek Havlice, Veronika Szaboova, Juraj Vizi, Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovakia
Modeling and Simulation in Disaster Risk Management Education	J. Simić, Faculty of Technical Sciences/Department of Environmental Engineering, Novi Sad, J. Tucakov, Technical collage of applied sciences, Zrenjanin, T. Novaković, Lj. Popović, Faculty of Technical Sciences/Department of Industrial Engineering and Management, Novi Sad, G. Mijatov, N. Duraković, Faculty of Technical Sciences/Department of Civil Engineering, Novi Sad, S. Popov, Faculty of Technical Sciences/Department of Computing and Automatics, Novi Sad, Republic of Serbia
Improved algorithm for tag-based collaborative filtering	Aleksandar Kotevski, University GoceDelcev - Stip, Cveta Martinovska Bande, University St. Climent Ohridski – Bitola, Macedonia
Software System For Automated Support of End-users	Ilija Lazarevski, Natasa Koceska, Saso Koceski, University "Goce Delcev" - Stip, Faculty of Computer Science, Macedonia
Data processing of recorded motion at seven-story hotel in Van Nuys, California during Northridge earthquake 1994	Z. Zlatev, R. Golubovski,V. Gicev, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Teaching modular software architectures	V. Bashoski and S. Koceski, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Research on Utaut Application in Higher Education Institutions	Mirjana Kocaleva, Zoran Zdravev, Igor Stojanovik, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
MOOCs in Higher Education – State of the Art Review	Bisera Petkovska, B. Delipetrev, Zoran Zdravev, Faculty of Computer Sciences, Goce Delcev University in Stip, Macedonia
Use of the commercial software tools in the preparation phase of the military pilot education and training	Slaviša Vlačić, Aleksandar Knežević, Military Academy, Ministry of Defense, Ivana Vlačić, Elementary school „Isidora Sekulic" Pančevo, Sanja Rođenkov-Milinković, Aeromedical Institute, Beograd, Republic of Serbia

Conference hall, 13.00-14.00 & 15.00-17.00
(Poster presentations)

Chairman: Dragica Radosav, Dijana Karuović	
The Differences between the Attitudes and Knowledge of the Bologna Process and Student of Alternative Programs in Academia	Nataša Aleksić, Aleksandar Mišković, Visoka tehnička škola strukovnih studija, Kragujevac, Srbija
The process of recruitment for management and engineering profession: comparative analysis	Marija Runić Ristić, Smiljana Mirkov, Higher School of Technical Studies Zrenjanin, Republic of Serbia; Igor Ristić, Faculty of Management, Sremski Karlovci, Republic of Serbia
Open semantic assessment: a multiplied choice approach to e-assessment	Martin Jovanović, University of Niš, Faculty of Electronic Engineering, Niš, Dejan Todosijević, Višnja Ognjenović, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Analysis ICT knowledge of students: faculty of transport and traffic engineering	Gordana Jotanović, Goran Jauševac, Faculty of Transport and Traffic Engineering, Doboj, Republic of Srpska, Bosnia and Herzegovina
Importance of information systems in decision-making	Ivan Tasić, Danijela Mihaljica, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia; Vesna Srdić, Dragan Cvetković, College of Professional Studies Educators, Kikinda, Pedagogical Faculty, Sombor, Republic of Serbia
Information quality in business logistics systems	Grahovac Marija, Tasić Ivan, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia; Cvetković Dragan, Jankov Jelena, Elementary School „Mihajlo Pupin", Veternik, Republic of Serbia
Educational computer software as a simulation technique-examples in technical and it education	S. Vranjes, Z. Zarin, LJ. Pavlovic, M. Pardanjac, D. Letic, S. Milosavljevic, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
The use of ALGODOO in teaching technical and it education - area of traffic safety	Z. Senti, M. Zivkovic, M. Samolovcev, R. Vasic, D. Karuovic, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Interactive simulations in teaching technical and information technologies education	B. Popovic, M. Pardanjac, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia; I. Djurovka, J. Dudas, Elementary School "Ljudovit Stur", Kisac, Republic of Serbia
Analysis of information technology application in the music production	I. Grujić, D. Radosav, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Standards for e-learning	Trayan Popkochev, Faculty of Pedagogy, South - West University "Neofit Rilski", Republic of Macedonia
Safety and security of children of the internet	A. Felbab, M. Pardanjac, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Implementation of „moodle" in the school systems	V. Filipov, E. Eleven, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Development of information technologies influence on teaching	N. Pilipovic, S. Stanisic, S. Babuskov, N. Tatomirov, M. Pardanjac, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia

Children safety on social networks	J. Babic, A. Terek, S. Miskovic, E.Eleven, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Use of Microsoft Powerpoint in education	Erika Tobolka, Uroš Gmizić, Aleksandar Vlaškalić, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Incidental vocabulary learning through reading. A synthesis of the research and basic assumptions in the literature	Vjosa Vela, South-Eastern European University, Republic of Macedonia
Moodle - tool for e-learning	Olivera Iskrenovic Momcilovic, Boza Miljkovic, Faculty of Education, University of Novi Sad, Republic of Serbia
Virtual User Interface	Frantisek Hrozek, Branislav Sobota, Štefan Korečko, Peter Ivancak, Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovakia
Experiences with Virtual Reality Technologies in Education Process	Branislav Sobota, Frantisek Hrozek, Štefan Korečko, Csaba Szabó, Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovakia
Digital Didactic Games in Elementary School	Veljko Aleksić, Faculty of Technical Sciences, Čačak, Mirjana Ivanović, Faculty of Science, Novi Sad, Republic of Serbia
The application of interactive educational software in preschool ages	T. Šašić, E. Eleven, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Facebook in function of improvement of teaching	M. Simic, P. Svircev, N. Tasovac, E. Eleven, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
The use of school website for motivation level improvement	B. Žviždak, D. Karuović, D. Glušac, I. Tasić, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Exposure students from high school in Cacak to digital violence	Katarina Dunjić Mandić, High School, Cacak, Rada Karanac, School Authority, Cacak, Željko M. Papić, Faculty Technical science, Cacak, Republic of Serbia
Trend interaction between people - intelligent sophisticated Contextual Environment	Bratislav Blagojevic, High Technical School of Professional Studies,Krusevac, Dragan Solesa, Nedjo Kojic, University of Business Academy of Novi Sad, Faculty of Economics and Engineering Management, Novi Sad, Republic of Serbia
Interactive whiteboard influence on education	D. Danilov, N. Matković , D. Karuović, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
The school principal as manager and leader	D. Rac, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Computer games' studies in Russia	A. Fedorov, Russian Association for Film and Media Education, Anton Chekhov Taganrog state Pedagogical Institute, Taganrog, Russia
Digital revolution: Scope and Industrial application of data warehousing and data mining	Moses Adedeji Oyinloye, Postgraduate School Sikkim Manipal University, Gangtok, India
The use of QR codes in education	M.Gogova, N.Koceska, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia

Mobile interactive application for education support of preschool children	I.Stojanova, N.Koceska, S.Koceski, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Quality valorization of University study programs using linear programming application	T.A. Pacemska, Faculty of Informatics, Goce Delcev University in Stip, Riste Timovski, Head of E-Index department, Goce Delcev University in Stip, Macedonia
Applaying the fundamental lemma of variational calculus to the problem of smalles surfaces in rotation	A. Risteska, V.Gicev, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Learning Management System using computers	Alma H. Trtovac, Faculty of Education, Beograd, Sefedin Šehović, High School and Technical School, Tutin, Admira Koničanin, State University of Novi Pazar
The effectiveness of song lyrics in motivating students in acquiring vocabulary	Teuta Salii, Argenita Salii, South East European University, Skopje, Macedonia
The words they need: target vocabulary learning strategies for basic English skills students at south east European university	Rufat Osmani, South East European University, Skopje, Macedonia
Influences of social networks on learning English	Tobolka Erika, Mihaljica Danijela, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Application and importance of information technology in teaching	Erika Tobolka, Isidora Ždrakanović, Dragana Danilov, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
E-learning and online certificates for English as a foreign language	D. Maravić, N. Tešić, E. Tobolka, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
How protect children on the internet	Tobolka Erika, Knežević Maja, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Electronic tests in high education-opportunities and challenges	Vasilija Sarac, Tatjana Atanasova-Pacemska, Zoran Trifunov, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Mobile Audience Response System as a Support Tool in Education	A. Kotevski and N. Koceska, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Structural equation modeling and their application in educational research-case study of ICT usage in primary schools in south-east region in Macedonia	Vasilka Vitanova, Tatjana Atanasova-Pachemska, Faculty of Computer Science, University "Goce Delcev" Stip, Sanja Pachemska, Bureau for Development of Education of the Republic of Macedonia, Skopje, Macedonia
Learn with tablets	M. Simić, E. Tobolka, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Experimental examination of structured-modular instruction	Ivica Boljat, Faculty of Science, Split, Croatia
Teaching of Novice Programmers: Strategies, Programming Languages and Predictors	Nikolina Bubica, Elementary School of Mokosica, Dubrovnik, Ivica Boljat, Faculty of Science, Split, Croatia
WEB 2.0 tools in education, the gap between the curriculum and school practice	Žolt Namestovski, Eötvös Lóránd University Faculty of Education and Psychology, Budapest, Hungary, Branka Arsović, University of Kragujevac, Teacher Training Faculty of Užice, Užice, Republic of Serbia

Stability safety and abuse of business information system	M. Lutovac, Faculty of Management, Herceg Novi, N. Lutovac, Pedagogical Club, Tivat, Montenegro, J. Jankov, Elementary School "Mihajlo Pupin", Veternik, I. Tasić, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Significance of web-oriented information systems for e-business in Serbia	M.Lutovac, Faculty of Management, Herceg Novi, V.Grbić, University Donja Gorica, Podgorica, N.Lutovac, Pedagogical Club, Tivat, Montenegro, J. Jankov, Elementary School "Mihajlo Pupin", Veternik, Republic of Serbia
Advanced Training of Teachers of Technical Education and Computer Science	S. Vranješ, D. Radosav, D. Vajić, I. Tasić, D. Letić, E. Eleven, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Web Application for Project Management Support in Information Systems Higher Education	Lj. Kazi, B. Radulovic, M. Ivkovic, V. Makitan and B. Markoski, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Accreditation of Higher Education Institutions in India and Serbia: Comparison of Audit Forms	N. Chotaliya, Government of Gujarat, Department of Education, Knowledge Consortium of Gujarat, Ahmedabad, India Lj. Kazi, V. Makitan, I. Berkovic, D. Cockalo, D. Glusac, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Higher Education Institutions Accreditation in India and Gujarat State of India	N. Chotaliya Government of Gujarat, Department of Education, Knowledge Consortium of Gujarat, Ahmedabad, India, Lj. Kazi, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Aligning education with industry requirements: big data era	J. Lukić, Parallel d.o.o., Belgrade, A. Teofilović, Primary school „Nikola Tesla", Vinca, D. Nedeljković, Technical school „23 maj", Pancevo, Republic of Serbia
Web application for document management support in higher education institution	M. Seslija, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Modelling software application for monitoring energy efficiency of public buildings	D. Lacmanovic, D. Dobrilovic, Z. Stojanov, J. Pekez, A. Tomovic, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Effects of educational computer software on motivation and performance of students in biology	Vesna Odadžić, Zrenjanin Grammar School, Borislav Odadžić, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Software components in business applications development	Tatjana Davidov, Saša Bošnjak, University of Novi Sad, Faculty of Economics in Subotica, Republic of Serbia
Advanced parallel computing methods for matrix multiplication	G. Berati, Departament of Mathematic, Faculty of Natural Sciences,Universitety of Tirana, F. Kroni, J. Bushati, Advising Information Student Center, University of Shkodra "Luigj Gurakuqi", Albania
The Ideas of Len Masterman as Philosophical and Methodological Basis of Media Education	Ruslan Serdukov, Anton Chekhov's Taganrog State Pedagogical Institute, Russia
Application of the DSi framework in Teaching Graph Search Algorithms	Višnja Ognjenović, Ivana Berković, T. F. "Mihailo Pupin", Zrenjanin, Martin Jovanović, University of Niš, Faculty of Electronic Engineering, Niš, Republic of Serbia

About the importance of monitoring of teachers' readiness to work with e-learning technologies	Yashchuk Eugenia, Zankova Ekaterina, Taganrog State Teacher Training Institute of A. P. Chekhov, Taganrog, Russia
E-learning training in the system of continuous pedagogical education	Yashchuk Eugenia, Zankova Ekaterina, Taganrog State Teacher Training Institute of A. P. Chekhov, Taganrog, Russia
Analysis of the stereotypes of Soviet film image of the war in a media education classroom	Alexander Fedorov, Taganrog State Teacher Training Institute of A. P. Chekhov, Taganrog, Russia
Blended learning as the integration of traditional and electronic educational models	Stetsenko Irene, Zankova Ekaterina, Taganrog State Teacher Training Institute of A. P. Chekhov, Taganrog, Russia
Formation of information culture of pupils of organizations of general education	Stetsenko Irene, Yashchuk Eugenia, Taganrog State Teacher Training Institute of A. P. Chekhov, Taganrog, Russia
Educational software from traffic	M. Milenkovic, K. Vukadinovic, T. Neznanovic, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Garden solar energy	T. Krizan, M. Pardanjac, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Work with gifted students in teaching of technical and it education	Jelena Jankov, Elementary School „Mihajlo Pupin", Veternik, Ivan Tasić, Technical Faculty "Mihailo Pupin", Zrenjanin, Melita Ćoćkalo-Hronjec, High school "Laza Kostić", Novi Sad, Republic of Serbia
The Gamification of Education	S. Maravić Čisar, R. Pinter, Subotica Tech-College of Applied Sciences, Subotica, P. Čisar, Academy of Criminalistic and Police Studies, Belgrade-Zemun, Republic of Serbia
I Learn With Fun – Education for the Future	Sonja Stankovic, Sr. Security Software Design Engineer at Microsoft Corporation, Redmond WA, USA, Developer at Exandus, LLC, Redmond WA, USA
E-learning through Khan's eight-dimensional framework	D. Glušac, D. Karuović, D. Milanov, Technical Faculty "Mihailo Pupin", Zrenjanin, Republic of Serbia
Basics of Windows Phone Development	Kojadinovic Milan, Levi9 IT Services, Novi Sad, Republic of Serbia