AGENDA

Friday, June 26th, 2015, Technical faculty "Mihajlo Pupin, Zrenjanin*	
9.00-10.00	Registration of the participants
10.00-10.30	Opening of the ITRO Conference – Welcome speech	**Prof. dr Milan Pavlović**, Dean of Technical Faculty "Mihajlo Pupin" **Mr. Vladimir Pavlov**, Provincial Secretariat for Science and Technological Development **Mr. Slaviša Vlačić**, City council member from education department, city of Zrenjanin **Doc. dr Vesna Makitan**, Chairmen of the Organizing Committee
10.30-11.30	Keynote speakers (15 minutes each)	
	Concluding Remarks on the Database Systems Subject for Applied Informatics Study Program	Csaba Szabo Henrieta Telepovska and V. Szabóová Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovakia
	Association Rules in Detecting Users' Behavior Patterns in Online Environments	Marija Blagojević, University of Kragujevac, Faculty of Technical Sciences Čačak, Serbia
	Development and Evaluation of Virtual Laboratory for Engineering Education	K. Bogatinova, S. Koceski and N. Koceska, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
11.30-12.00	Coffee break
12.00-14.00	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

* Djure Djakovica bb, Zrenjanin, Serbia, http://www.tfzr.uns.ac.rs/

Conference hall, 12.00-14.00 & 15.00-17.00
(Oral presentations)

Chairman: Dragica Radosav, Dijana Karuović	
Exploring teacher's professional development in the use of technology in education	J. Jezdimirović, S. Radović, Faculty of Mathematics, University of Belgrade, Republic of Serbia
Development of handicapped children communication skills using touch user interface	B. Sobota, D. Petríková, L. Jacho, Š. Korečko and F. Hrozek, Faculty of Electrical Engineering and Informatics, Department of Computers and Informatics of Kosice, Spojená škola Pavla Sabadoša, Prešov, Slovak Republic
A* algorithm for e-learning	M. Živković, V. Ognjenović and I.Berković, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Virtual-reality, its technologies and their possible impact to handicapped people education	Branislav Sobota, Štefan Korečko, František Hrozek, Csaba Szabó and Ladislav Jacho, Faculty of Electrical Engineering and Informatics Department of Computers and Informatics of Kosice, Slovak Republic
Digital games as a context for early childhood learning and development	I.Stojanova, I.Kocev, N.Koceska and S.Koceski, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Teaching computer graphics by programming simulators and games	Csaba Szabo, Frantisek Hrozek, Milan Sujansky, Faculty of Electrical Engineering and Informatics Department of Computers and Informatics of Kosice, Slovak Republic
Several aspects of measuring performance of University study cycles using DEA	Timovski Riste, Atanasova Pacemska Tatjana, Rusiti Agim, Sarac Vasilija, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Multivariable data analysis (MVA) for more statistical methods in the same time interval	Aleksandar Krstev, Kostadin Runcev, Boris Krstev, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Use of smart devices and Internet in education - The habits of K-12 students about using ICT in education in Northern Serbia	Esztelecki Péter, Kőrösi Gábor, Bolyai Secondary Grammar School and Dormitory for Gifted Students, Senta, Republic of Serbia
Development and Evaluation of Video Game for Learning Capabilities Improvement of ADHD Children	S. Koceski and N. Koceska, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
On the Use of Mathematica in Engineering Education	Biljana Zlatanovska, Limonka Lazarova, Aleksandra Stojanova, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Attitude of Secondary Students towards Mathematics and its Relationship to Achievement in Mathematics	Tatjana Atanasova-Pachemska, Limonka Lazarova, Jordance Arsov, Sanja Pacemska, Zoran Trifunov, University "Goce Delcev", Stip, Republic of Macedonia, Bureau of educational development of the Republic of Macedonia
Usage of Wondershare quizcreator software for assessment as a way of improving math evaluation	Jovanovska Dobrila, Atanasova Pacemska Tatjana, Lazarova Limonka, Pacemska Sanja, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Obtaining functions from Fourier series with Matlab	Aleksandra Stojanova, Biljana Zlatanovska, Mirjana Kocaleva, Vlado Gicev, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Model of crowdsorce enviromental application based on mobile photos	Aleksandra Stojanova, Mirjana Kocaleva, Blagoj Delipetrev, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia

Application of fundamental lemma of variational calculus to the Bernoulli's problem for the shortest time	A.Risteska, V.Kokalanov, V. Gicev, Faculty of Computer Science, University Goce Delcev – Stip, Macedonia
Application troubleshooting of storage and management of water resources	Aleksandar Krstev, Kostadin Runcev, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Learning in Software Process Assessment	Z. Stojanov and D. Dobrilović University of Novi Sad, Technical faculty "Mihajlo Pupin"
Data processing of displacements between the ground and the point of cracking at the seven – story Van Nuys Hotel	Z. Zlatev, R. Golubovski, V. Gicev, Faculty of Computer Science, Univ. Goce Delchev, Stip, Faculty of Electrical Engineering, Univ. Goce Delchev, Stip, Macedonia Macedonia

UNIVERSITY OF NOVI SAD
TECHNICAL FACULTY
"MIHAJLO PUPIN"
ZRENJANIN

Conference hall, 12.00-14.00 & 15.00-17.00
(Poster presentations)

Chairman: Marjana Pardanjac, Erika Eleven	
The selection criteria for the choice of textbooks using multi-attribute decision making methods	Darko Stanojević, Milena Popović, Marija Kuzmanović, Ministry of Education, Science and Technological Development, Belgrade, Republic of Serbia
Approach to Time Organization for Teachers	V. Brtka, E. Brtka, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Evaluation of web-based resource for career education in technological training	Emilia Tosheva, Faculty of Pedagogy, SWU "Neofit Rilski", Blagoevgrad, Bulgaria
The techniques of creative grading in informatics teaching	Nataša M. Nikolin, "POLITEHNIKA" - škola za nove tehnologije, Beograd, Srbija
The constructing new knowledge in the world of education	Nataša M. Nikolin, "POLITEHNIKA" - škola za nove tehnologije, Beograd, Srbija
The efficacy increase of using the present media files in comparison with the ones used in the past	T. Križan and M. Pardanjac, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Teachers' Perception of School Culture in Serbian Primary Schools	Bojana Gligorović, Edit Terek, University of Novi Sad, Technical faculty "Mihajlo Pupin"
Public relations education and professional preparation	Milan Nikolić, Maša Magzan and Edit Terek, University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Zagreb School of Economics and Management, Zagreb, Croatia
Possibilities of using recommendations in a collaborative web environment for e-learning	Elvis Kadić, Nina Bijedić, Fakultet informacijskih tehnologija, Mostar, Bosna i Hercegovina
Literature and Painting Art Correlation Based Model for E-learning	Gordana Štasni, Vesna Makitan, Filozofski fakultet Novi Sad, Tehnički Fakultet "Mihajlo Pupin" Zrenjanin, Srbija
E-learning as new method for education	Olivera Iskrenovic-Momcilovic, Faculty of Education, University of Novi Sad, Republic of Serbia
Social and family circumstances and the success of pupils	Angela Terek, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
The efficiency of application of information technologies in teaching at higher education institutions in Republic of Srpska	Nataša Đalić, University of East Sarajevo, Faculty of Transport and Traffic Engineering, Doboj, Republic of Srpska
Parents attitudes about the year of beginning of the first grade for children	T.Alimpić, D.Radosav, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Gramsci in educational scholarship	Hajrulla Hajrullai, South East European University, Language Center, Tetovo, Macedonia
The term of model and modeling	Angela Terek, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Model of software for children with special needs	I. Zdrakanovic, M. Stefanovski, E. Tobolka, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Impact and the use of social networks in higher education	Natasa Aleksic, Aleksandar Mišković and Nevena Banković, University of Kragujevac, Republic of Serbia
Use and frequency of internet and social networks the primary school	Dusan Gagovic, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia

Role of parents in protecting children on the internet	D. Karuović, D. Milanov, J. Bushati, M.Ćoćkalo-Hronjec, N.Novaković, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Children and Cyber security	Sonja Stankovic, Redmond, WA, USA
Independent learning and modern education technology	E. Eleven, D. Karuovic, M. Pardanjac, A.Lunjic, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia, Primary school Bosko Strugar, Ulcinj, Montenegro
The trends in ICT: Application and benefits of cloud computing in Sub Sahara Africa	Moses Adedeji Oyinloye, Cit Global Education, India
The importance of knowledge of English language for safe use of the internet in childhood	Tešić N., Maravić D., Tobolka E., University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
eXe software in developing electronic teaching materials	Mladen Jovanovic, Milica Stojkovic, Primary school „Deasanka Maksimovic", Chokot, Nish, Republic of Serbia
Use of Multimedia to Teach Grammar School Cell Biology	Vesna Odadžić, Borislav Odadžić, Tomka Miljanović, Grammar School, Zrenjanin, Technical Faculty "Mihajlo Pupin", Department of Biology and Ecology, Faculty of Sciences, Novi Sad, Republic of Serbia
Application of fundamental lemma of variational calculus to the problem for the brachistochrone	A. Risteska, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Application of Cisco packet tracer 6.2 in teaching of advanced computer networks	Danijel Čabarkapa, Higher Technological School of Professional Studies, Šabac, Republic of Serbia
Methodical analysis of the continuity of the function using illustration method in GeoGebra	Duška Pešić, Aleksandar Pešić, Information Technology School, ComTrade Technology Centre, Belgrade, Faculty of Business and Industrial Management, Union University, Belgrade, Republic of Serbia
Methodic of teaching Informatics	David Maravić, Isidora Ždrakanović, Marjana Pardanjac, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Tacit knowledge transfer in education	Mila Zakin, Sanja Stanisavljevic, Nikola Petrov, Olivera Paunovic and Una Marceta, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
School informatics Olympiad	Nataša M. Nikolin, "POLITEHNIKA" - škola za nove tehnologije, Beograd, Srbija
IT Project of Three Layer Application Development	Zoran Vuković, Vesna Makitan, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Augmented Reality and Cloud Computing in in-formational and communicational technologies in technological education	Sashko Plachkov, Vasilisa Pavlova, Emilia Tosheva, Faculty of Pedagogy, SWU "Neofit Rilski", Blagoevgrad, Bulgaria
Development and influence of IT on teaching English	V.Cvetkovic, T.Petkovic, E.Tobolka, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
Development and Evaluation of a 3D Virtual Tutor for Macedonian Sign Language	S. Koceskiand N. Koceska, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Fuzzy screening method as a computerized support for decision making	N. Tešić, D. Glušac, D. Karuović, D. Milanov, E. Terek, I. Palinkaš, University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia
The tools "in the cloud" – one way to apply information and	Daniela Minić Aleksić, Zavod za unapređivanje obrazovanja i vaspitanja, Centar za razvoj programa i udžbenika, Republic of

communication technologies in teaching	Serbia
Energy approach of accuracy estimation of P3 and P4 Stacey boundaries	Vasko Kokalanov, Aleksandra Risteska, Vlado Gicev, Faculty of Computer Science, Univ. Goce Delchev, Stip, Macedonia
Education in a virtual learning environment	Gordana Jotanović, Goran Jauševac, Faculty of Transport and Traffic Engineering, Doboj, Republic of Srpska
Web tools in education	Nataša M. Nikolin, "POLITEHNIKA" - škola za nove tehnologije, Beograd, Srbija
Application models of computers and educational software for teaching	Ž. Namestovski, A. Buda, M. Takács, University of Novi Sad, Teacher Training Faculty, Subotica, Republic of Serbia, University of Debrecen, Debrecen, Hungary, Óbuda University, Budapest, Hungary
An overview and perspective of e-learning based on cloud computing	Ladislava Ratgebera, Nikola Petrov, Mila Zakin, Sanja Stanisavljev, Branko Markoski, Hungary and University of Novi Sad, Technical faculty "Mihajlo Pupin", Republic of Serbia