INTERNATIONAL CONFERENCE "INFORMATION TECHNOLOGY AND EDUCATION DEVELOPMENT" ITRO 2021
AGENDA

Friday, November 26th, 2021, Technical faculty "Mihajlo Pupin, Zrenjanin*		
9.30-10.00	Registration of the participants – Регистрација учесника	
10.00-10.15	Opening of the ITRO Conference – Welcome speech Отварање ИТРО Конференције – поздравни говор	**Doc. dr Snežana Jokić**, Chairmen of the Organizing Committee
Oral presentations (10 minutes each) – Оралне презентације (10 минута свака)		
10.15-10.25	Wheelchair simulator in web virtual reality	Branislav Sobota*, **Miriama Mattová**, Jakub Boguščiak*, Marián Hudák** and Štefan Korečko* *Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovak Republic **Siemens Healthcare s.r.o., Košice, Slovak Republic
10.30-10.40	Virtual reality technologies usage in the area of management and therapy of phobias and cognitive abilities	Branislav Sobota*, Patrik Lovas*, Štefan Korečko* and **Miriama Mattová** *Department of Computers and Informatics, Faculty of Electrical Engineering and Informatics, Technical University of Košice, Slovak Republic
10.45-10.55	Application of the MQTT protocol in telepresence robots	**Aleksandar Velinov**, N. Koceska* and S. Koceski* *Faculty of Computer Science, University Goce Delchev – Shtip, Republic of North Macedonia
11.00-11.10	The impact of augmented reality in architectural design using combined method of data aggregation and segregation	**Aleksandar Krstev** and A. Velkova Krstev** *Faculty of Computer Science, University of Stip, Republic of North Macedonia **Monolit Group – Stip, Republic of North Macedonia
11.15-11.25	Learning data mining course using language R	C. M. Bande*, **Aleksandra Stojanova Ilievska**, N. Stojkovikj*, M. Kocaleva*, L. K. Lazarova* and B. Zlatanovska* *Faculty of Computer Science, "Goce Delcev" University of Stip
11.30-11.40	Dynamic Social Network Analysis Visualization Software: A Comparative Review	**Indira Hamulić**, G. Škondrić* and E. Junuz* *University "Džemal Bijedić", Mostar, Bosnia and Herzegovina
11.45-11.55	LMS conceptual model that recognize all forms of learning outcomes	G. Škondrić*, I. Hamulić* and **Emina Junuz** *University "Džemal Bijedić", Mostar, Bosnia and Herzegovina
12.00-12.10	Importance of learning SOA in modern GIS lectures	**Dubravka Sladić**, Aleksandra Radulović*, Miroslav Zarić* and Branko Markoski** *University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia **University of Novi Sad, Technical Faculty „Mihajlo Pupin", Zrenjanin, Serbia
12.15-12.25	The virtual physics laboratory	**Iris Borjanovic** *Technical College of Applied Sciences in Zrenjanin, Zrenjanin, Serbia

12.30-12.40	Pedagogical dimension of teaching informatics and computing	**S. Šević***, D. Glušac* *University of Novi Sad, Technical Faculty „Mihajlo Pupin", Zrenjanin, Serbia
12.45-12.55	Comparison of C++ and Python programming languages in teaching	**Simo Mrđen***, Eleonora Brtka* and Vesna Makitan* *University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
13.00-13.10	Application of 3D printing in education	**Marko Živić***, M. Pardanjac* and J. Barbarić** *University of Novi Sad, Technical faculty „Mihajlo Pupin", Zrenjanin, Republic of Serbia **University of Colorado, Denver, Colorado, USA
13.15-13.25	Electronic Application of Children for Enrollment in Preschool Institution	**Dragana Banović***, and Z. Kazi* *University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Republic of Serbia
13.30-13.40	Implementation of drones in teaching	**Dragan Kreculj***, Maja Gaborov**, Nada Ratkovic Kovacevic***, Vojkan Nikolic****, Sinisa Minic*****, Nevena Cvorovic****** *Academy of Technical Applied Studies, Belgrade, Serbia **Technical Faculty „Mihajlo Pupin", Zrenjanin. Serbia ***Academy of Technical Applied Studies, Belgrade, Serbia ****University of Criminal Investigation and Police Studies, Belgrade, Serbia *****Teacher Education Faculty, Leposavic, Serbia ******10th Belgrade Gymnasium, Belgrade, Serbia
13.45-13.55	Analysis of the representation of object-oriented programming languages in primary education	**Aleksandar Mamić***, Marija Blagojević* and Tijana Đuričić** *University of Kragujevac, Faculty of Technical Sciences, Čačak, Serbia **Primary school Petar Kočić, Inđija, Serbia
14.00-14.10	Analysis of LMS used in the process of distance learning in primary education, during the Covid 19 pandemic	**Aleksandar Mamić***, Marija Blagojević* and Tijana Đuričić** *University of Kragujevac, Faculty of Technical Sciences, Čačak, Serbia **Primary school Petar Kočić, Inđija, Serbia
9.30-14.30	Presentations of the participants Poster sessions	Презентације учесника Постер презентације
14.15-14.30	Conference closure	Затварање Конференције – Презентација закључака Конференције

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

Poster presentations

Discussion thread on Google classroom and group communication: a case study of language center students	Basri Saliu* *Language Center-SEEU, Republic of North Macedonia
Distance learning from the perspective of students during the COVID-19 pandemic	M. Majstorović*, D. Radosav* *Univerzitet u Novom Sadu, Tehnički fakultet „Mihajlo Pupin", Zrenjanin, Republika Srbija
Covid 19 and online learning platforms	Maja Gaborov*, Dijana Karuović*, Mila Kavalić*, Dragana Milosavljev*, Sanja Stanisavljev, Jozef Bushati** *University of Novi Sad, Technical faculty "Mihajlo Pupin" Zrenjanin, Đure Đakovica bb, Serbia **University of Shkodra "Luigj Gurakuqi", Albania
The Application Of Scrum In Companies: A Systematic Literature Review	Maja Gaborov* , Srđan Popov**, Dijana Karuović*, Dragica Radosav*, Dragana Milosavljev*, Edit Terek-Stojanović* *University of Novi Sad, Technical faculty "Mihajlo Pupin" Zrenjanin, Serbia **University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
Video games as a promising educational option for all ages	R. Zamurović*, D. Radosav* *Univerzitet u Novom Sadu, Tehnički fakultet „Mihajlo Pupin", Zrenjanin, Republika Srbija
The effects of locus of control on entrepreneurial behavior	Mila Kavalić*, Mladen Pečujlija**, Željko Stojanović***, Sanja Stanisavljev****, Mihalj Bakator**** *University of Novi Sad, Faculty of Technical Science, Novi Sad, Serbia **University of Novi Sad, Faculty of Technical Science, Novi Sad, Serbia ***PhD student, University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia ****University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
The evolution of Web Based Learning Platforms	Emilia Pavlova Tosheva* *SWU "Neofit Rilski", Tehnical faculty, Blagoevgrad, Bulgaria
Agent-based Modelling and Simulation	N. Stojkovikj*, A. Stojanova *, L. K. Lazarova*, M. Miteva* *Goce Delcev University/Faculty of Computer Science, Stip, Republic of North Macedonia
Case study: which math topics students have a problem with when they start university studying	E. Karamazova* and M. Kocaleva* *Faculty of computer science, "Goce Delcev" University, Stip, Republic of North Macedonia
Mobile teaching and learning – benefits, perspective and challenges	M. Kocaleva*, E. Karamazova*, B. Zlatanovska* and D. Karuović** *Faculty of computer science, "Goce Delcev" University, Stip, Republic of North Macedonia **Technical Faculty "Mihajlo Pupin", University of Novi Sad, Zrenjanin, Serbia
Using WEKA for finding output for given function	M. Kocaleva*, B. Zlatanovska*, E. Karamazova*, N. Stojkovikj* and A. Stojanova* *Faculty of computer science, "Goce Delcev" University, Stip, Republic of North Macedonia
Use of educational hardware and software to encourage children to code	D. Bikov*, B. Shterjev ** *Faculty of computer science, "Goce Delcev" University, Stip, Republic of North Macedonia **OOU "Dedo Iljo Maleshevski", Berovo, Republic of North Macedonia

Locus of control in the function of students' academic success	Mila Kavalić*, Mladen Pečujlija**, Sanja Stanisavljev***, Dragana Milosavljev***, Maja Gaborov***, Mihalj Bakator*** *PhD student, University of Novi Sad, Faculty of Technical Science, Novi Sad, Serbia ** University of Novi Sad, Faculty of Technical Science, Novi Sad, Serbia *** University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia
Digital marketing of agricultural holding in republic of Serbia	Maša Knežević*, Nikola Bobinac* *Technical Faculty 'Mihajlo Pupin' Zrenjanin, Serbia
Application for grape sales	Maša Knežević* *Technical Faculty 'Mihajlo Pupin' Zrenjanin, Serbia
Grape vine protection record of an agricultural holding in Republic of Serbia	Maša Knežević*, Nikola Bobinac* *Technical Faculty 'Mihajlo Pupin' Zrenjanin, Serbia
Testing using selenium	Maša Knežević*, Nikola Bobinac* *Technical Faculty 'Mihajlo Pupin' Zrenjanin, Serbia
Data processing using analytical hierarchical process in real circumstances	D. Krstev*, A. Krstev**, S. Dimitrov* *Faculty of Mechanical Engineering, University of Stip, Republic of North Macedonia **Faculty of Computer Science, University of Stip, Republic of North Macedonia
Improvement of the static characteristics of pilot operated pressure relief valves	S. Dimitrov*, D. Krstev*, A. Krstev** *Faculty of Mechanical Engineering, University of Stip, Republic of North Macedonia **Faculty of Computer Science, University of Stip, Republic of North Macedonia
Vehicle routing problem with distance constraints and clustering using MATLAB	D. Krstev*, S. Dimitrov*, A. Krstev** *Faculty of Mechanical Engineering, University of Stip, Republic of North Macedonia **Faculty of Computer Science, University of Stip, Republic of North Macedonia
The Role of Advanced ICTs in Effective CRM	M. Bakator*, D. Radosav*. N. Đalić**, S. Stanisavljev*, D. Milosavljev*, E. Terek Stojanović* *University of Novi Sad, Technical Faculty "Mihajlo Pupin" Zrenjanin, Republic of Serbia **Faculty of Transport and Traffic Engineering, University of East Sarajevo, Republika Srpska
The influence of ETOS on the quality of school work	S. Jokić*, V. Srdić**, M. Kostovski*** *University of Novi Sad, Technical Faculty "Mihajlo Pupin" Zrenjanin, Republic of Serbia **International university of Novi Pazar, Republic of Serbia ***OŠ "Miloš Crnjanski" Žabalj, Republic of Serbia
Methodological approach to electricity production within the field of resources and production in 8th grade primary school	Snezana Jokic*, Aleksandra Ilic**, Maja Hadzic***, V. Srdić**** *Primary school 'Miroslav Antic, Belgrade, Serbia **Primary school 'Vasa Carapic', Belgrade, Serbia ***Technical Faculty 'Mihajlo Pupin', Zrenjanin, Serbia ****International university of Novi Pazar, Republic of Serbia
The Use of Web Tools 2.0 in Education	T. Milić*, I. Berković*, E. Brtka*, I.Vecštejn*, K. Ivanović* *University of Novi Sad, Tehnical Faculty „Mihajlo Pupin", Zrenjanin, Serbia

Example of an application in the Python programming language	Simo Mrđen*, Eleonora Brtka*, Vesna Makitan* and Mira Sisak** *University of Novi Sad/Technical Faculty "Mihajlo Pupin", Zrenjanin, Republic of Serbia **West Regional Development Agency, Timisoara, Romania
Creating 3D objects using photogrammetry	Riste Timovski*, Saso Koceski*, Natasa Koceska* *Faculty of Computer Science, Goce Delcev University – Stip, Republic of North Macedonia
Improving the quality of teaching technical subjects by applying assistive technologies	G. Mijatov*, D. Glušac* *University of Novi Sad, Tehnical Faculty „Mihajlo Pupin", Zrenjanin, Serbia
Social Aspects of Distance Learning During Covid-19 Pandemic	Žolt Namestovski*, András Buda**, György Molnár*** and Zoltán Szűts Eszterházy**** *University of Novi Sad, Hungarian Language Teacher Training Faculty Subotica, Serbia **University of Debrecen, Faculty of Arts Institute of Education and Cultural Management, Hungary ***Department of Technical Education Budapest University of Technology and Economics Budapest, Hungary ****Károly Catholic University, Faculty of Pedagogy, Eger, Hungary
Analysis of university school web portals	Ljubica Kazi*, Dragica Radosav*, Amar Kansara**, Narendra Chotaliya*** * University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia ** Parth Systems, Navsari, Gujarat, India, *** Saurashtra University, Rajkot, MP Shah Arts & Science College, Surendranagar, India
Importance of employee training for industry 4.0	Sanja Stanisavljev*, Dragica Radosav*, Mila Kavalić*, Zlatko Košut*, Snežana Jokić*, Saša Zec** * University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia ** Rosewood Hotel Georgia, Vancouver, British Columbia, Canada
Virtual Laboratory as Progressive Web Application	N. Koceska*and S. Koceski* * Faculty of Computer Science, University Goce Delchev – Shtip, Shtip, R. North Macedonia
Review on Deep Learning architectures	Sasa Arsovski*, Branko Markoski**, Velibor Premcevski**, Petar Vasiljevic***, Aleksandar Sofic**** *Raffles University, Johor Malaysia, **University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Republicof Serbia ***Higher Education Technical School of professional studies, Republic of Serbia ****University of Novi Sad,Faculty of Technical Science, Republic of Serbia