









## Section - Information Technology and Mechanical Engineering

	Title of paper	Author(s)	Institution	Paper
1	SOME RELATIONS BETWEEN POLYGONAL FIGURATIVE NUMBERS	Miroslava Mihajlov Carević	Faculty for business, economics and entrepreneurship, Beograd, Serbia	<a href="#">CLICK</a>
2	USE OF GEOGEBRA IN THE STUDY OF ROTATIONS	Miroslav Maksimović, MSc; Nataša Kontrec, PhD; Stefan Panić, PhD;	University of Priština in Kosovska Mitrovica, Faculty of Sciences and Mathematics, Kosovska Mitrovica, Serbia;	<a href="#">CLICK</a>
3	EFFECTS OF USING THE MICROSOFT TEAMS PLATFORM AT THE KOSOVO AND METOHIIJA ACADEMY OF APPLIED STUDIES	Dr Nenad Marković, PhD(1); Dejan Živković(1); Filip Marković(2); Sanja Marković, PhD(1);	(1)Akademija strukovnih studija kosovsko metohijska, Odsek Uroševac – Leposavić, Serbia; (2)Fakultet tehničkih nauka, Kosovska Mitrovica, Serbia;	<a href="#">CLICK</a>
4	DESIGN OF THE CURRENT LOGGER OF AUTOMATIC CONTROL SYSTEM FOR CURRENT COLLECTORS	Branislav Gavrilović, PhD; Zoran Bundalo, PhD;	Academy of Technical and Art Applied Studies Belgrade, Department Railway College of Applied Studies, Belgrade, Serbia;	<a href="#">CLICK</a>
5	STUDENTS' PERCEPTION AND EXPERIENCE WITH THE MOODLE PLATFORM: FINDINGS FROM A CASE STUDY AT THE DEPARTMENT OF BUSINESS STUDIES IN LESKOVAC, SERBIA	Ivana Jovanović, Msc;	Academy of Professional Studies South Serbia, Department for Business Studies Leskovac, Leskovac, Serbia;	<a href="#">CLICK</a>
6	MATHEMATICS FOR INFORMATICS EDUCATION	Ljubica Diković, PhD(1); Goran Bjelobaba, MSc(2); Ana Savić, PhD(3); Nikola Popović, MSc(4);	(1)Western Serbia Academy of Applied Studies, Užice, Serbia; (2)University of Belgrade, Faculty of organizational sciences Department for e-business, Belgrade, Serbia; (3)Academy of Technical and Art Applied Studies Belgrade, School of Electrical and Computer Engineering, Serbia; (4)Alfa BK University, Faculty of Mathematics and Computer Science Belgrade, Serbia;	<a href="#">CLICK</a>
7	KINEMATIC ANALYSIS IN THE FIELD OF RESEARCH PTO TRANSMISSIONS	Mr Dragiša Mičić; Zorica Lazić, PhD;	Western Serbia Academy of Applied Studies, Užice, Serbia;	<a href="#">CLICK</a>
8	AUTOMATED VEHICLE AND PEDESTRIAN DETECTION	Aleksandar Stjepanovic, PhD; Miroslav Kostadinovic; Goran Kuzmic, MSc; Mirko Stojcic, MSc;	University of East Sarajevo, Faculty of Transport and Traffic Engineering, Doboj, Bosnia and Herzegovina;	<a href="#">CLICK</a>

9	SEQUENTIAL FIT ALGORITHMS EVALUATION USING OBJECT-ORIENTED PROGRAMMING	Milica Tufegdžić, PhD; Aleksandar Mišković, PhD;	Academy of professional studies Šumadija, Trstenik, Academy of professional studies Šumadija, Kragujevac, Serbia;	
10	ANALYSIS OF USER LOGS FROM THE E-LEARNING SYSTEM AND OPINION MINING IN THE FIELD OF PROGRAMMING	Katarina Karić, MSc; Marija Blagojević, PhD;	University of Kragujevac, Faculty of Technical Sciences, Čačak, Serbia;	
11	INSERTION OF SYNTHETIC DATA INTO AN EMPIRICAL DATABASE OF SOME ALLOYS' CORROSION DEPTH AND THEIR INFLUENCE ON THE SELECTION OF THE BEST-FITTED CONTINUOUS DISTRIBUTIONS	Nataša Kovač, PhD(1); Špiro Ivošević, PhD(2);	(1)University of Donja Gorica, Faculty of Applied Sciences, Podgorica, Montenegro; (2)University of Montenegro, Faculty of Maritime Studies, Kotor, Montenegro;	
12	SOFTWARE NETWORKS IN THE LOGICAL ARCHITECTURE OF THE CYBER-PHYSICAL TRAFFIC SYSTEM	Milorad K. Banjanin, PhD(1); Mirko Stojčić, MSc(2); Dejan Drajić, PhD(3);	(1)University of Novi Sad, Faculty of Technical Sciences; (2)University of East Sarajevo, Faculty of Transport and Traffic Engineering, Bosnia and Herzegovina; (3)University of Belgrade, Faculty of Electrical Engineering;	
13	ANALYSIS OF STUDENT DROPOUT AT WESTERN SERBIA ACADEMY OF APPLIED STUDIES: A CLUSTERING BASED APPROACH	Milovan Milivojevic(1); Srdjan Obradovic(1); Ana Kaplarevic Malisic(2); Slobodan Petrovic(1)	(1)Western Serbia Academy of Applied Studies, Užice, Serbia; (2)Faculty of Science, University of Kragujevac, 34000 Kragujevac, Serbia;	
14	THE IOT WEATHER STATION MODEL	Dragan Kreculj (1); Vojkan Nikolić (2); Jasmina Lozanović Šajić (3); Đorđe Dihovični (4); Nada Ratković Kovačević (4);	(1)Senior lecturer, Academy of Technical Vocational Studies/Department CMI, Belgrade, Serbia; (2)Asistant professor, University of Criminal Investigation and Police Studies, Belgrade, Serbia; (3)Associate professor, IC Faculty of Mechanical Engineering, Belgrade, Serbia; (4)Professor of vocational studies, Academy of Technical Vocational Studies/Department CMI, Belgrade, Serbia;	
15	THE VISUALISATION OF ELECTRICITY CONSUMERS AND ELECTRICITY CONSUMPTION IN AN URBAN AREA	Dragana Knežević	Western Serbia Academy of Applied Studies, Užice, Serbia;	
16	EXPERIMENTAL ANALYSIS OF SDN CONTROLLER SCALABILITY BY USING MININET EMULATIONS	Danijel Čabarkapa, Petar Pavlović, Dejan Rančić;	(1)Academy of Vocational Studies Šabac, Department of Medical and Business-Technological Studies,	

			Šabac, Serbia, (2)University of Niš, Faculty of Electronic Engineering, Serbia;	
17	RESEARCH OF THE SPAMASSASSIN ANTI-SPAM SYSTEM	Predrag Popovic, MsC; Slobodan Petrović, Mag;	Western Serbia Academy of Applied Studies – Užice Departmen, Uzice, Serbia;	<a href="#">CLICK</a>
18	ANALYSIS OF DIFFERENT EXTRAPOLATION METHODS APPLIED IN LOW-POWER SYSTEMS WITH APPLIED VRS ALGORITHM	Bojan Prlinčević, PhD(1); Zoran Milivojević, PhD(2);	(1)Kosovo and Metohija Academy of Applied Studies, Leposavić, Serbia; (2)The Academy of Applied Technical and Preschool Studies, Niš, Serbia;	<a href="#">CLICK</a>
19	INFLUENCE OF INTERFERENCE ON SPEECH INTELLIGIBILITY IN A CAR USING THE BINAURAL METHOD	Marina Milivojević (1); D. Kostić (2); Zoran Milivojević(3);	(1)Mikkelsen Electronics, Niš, Srbija; (2)Geonais, Niš, Srbija; (3)College of Applied Technical Science Nis, Niš, Serbia;	<a href="#">CLICK</a>
20	A BRIEF DISCUSSION ABOUT CONSTRUCTION OF CRYPTOGRAPHIC ALGORITHMS SALSA20 AND CHACHA	Boris Damjanović, PhD; Nikola Novaković, PhD; Negovan Stamenković, PhD;	Banja Luka College, Banja Luka, Republic of Srpska/BiH;	<a href="#">CLICK</a>
21	DEFINING THE QUALITY OF BASIC MATERIAL IN THE PARTS REPAIR BY WELDING/SURFACING	Drakče Tanasković, PhD(1); Slobodan Petrović2, Mag; Branislav Đorđević, PhD3.	(1)HBIS GROUP Serbia Iron Steel, Smederevo, Serbia; (2)College of Applied Sciences, Uzice, Serbia;	<a href="#">CLICK</a>
22	INTERNET IMPACT TO DBMS PERFORMANCE	Ilja Stanišević, PhD; Miloš Živković, MSc; Čebić Branko, MA; Beljić Dejan, MA;	Western Serbia Academy of Applied Studies – Valjevo Departmen, Serbia;	<a href="#">CLICK</a>
23	USING ARTIFICIAL INTELLIGENCE TO CREATE A SOFTWARE AGENT FOR SOLVING THE 2048 GAME	Mikloš Pot, MA(1); Milovan Milivojević, PhD(2); Srđan Obradović(2)	(1)Visoka Tehnička Škola Strukovnih Studija, Subotica; (2)Western Serbia Academy of Applied Studies – Užice Departmen, Serbia;	<a href="#">CLICK</a>
24	APPLICATION OF THE ONE-TIME PAD (OTP) CIPHER IN BUSINESS COMMUNICATIONS	Hana Stefanović, PhD(1); Ana Savić, PhD(2); Nikola Popović(3);	(1)Comtrade Information Technology School ITS, Belgrade, Serbia; (2)School of Electrical and Computer Engineering, Belgrade, Serbia; (3)Alfa BK University, Faculty of Mathematics and Computer Science, Belgrade, Serbia;	<a href="#">CLICK</a>
25	PREDICTION OF THE DIMENSIONAL CHANGES DURING SINTERING OF	Dragoljub Drndarević, PhD; Milovan Milivojević, PhD;	Western Serbia Academy of Applied Studies – Užice Departmen, Serbia;	<a href="#">CLICK</a>

26	THE OPEN SOURCE MOVEMENT	Anastasija Bojović(1); spec. Milorad Murić(2);	(1)University of Belgrade, School of Electrical Engineering, Belgrade, Serbia; (2)Western Serbia Academy of Applied Studies – Užice Department, Serbia;	<a href="#">CLICK</a>
27	SYNTHESIS OF NEW REFRACTORY COATINGS BASED ON BASALT FOR FOUNDRY APPLICATIONS	Marko Pavlović(1); Ljiljana Trumbulović(2); Marina Dojčinović(3); Zoran Čeganjac(4)	(1)Kontrol Inspekt, Belgrade, Serbia; (2)Western Serbia Academy of Applied Studies, Užice Department, Serbia; (3)University of Belgrade, Faculty of Technology and Metallurgy, Belgrade, Serbia; (4)Academy of Applied Studies Šumadija, Aranđelovac, Serbia;	<a href="#">CLICK</a>
28	DATA VISUALIZATIONS IN PYTHON WITH MATPLOTLIB	Sidita Duli , PhD	University "Luigj Gurakuqi", Shkodra, Albania	<a href="#">CLICK</a>
29	THE EFFECT OF THE INTRODUCTION OF INFORMATION SYSTEMS IN MANUFACTURING COMPANIES ON THEIR MARKET POSITION	Mr Branka Budimir	Dunav Company insurance ado, GFO Uzice, Serbia,	<a href="#">CLICK</a>
30	COMPUTATIONAL INTELLIGENCE BASED METHOD FOR EFFICIENT CLASSIFICATION OF MICROPHONES	Miroslava Jordovic Pavlovic, PhD(1); Aleksandar Kupusinac, PhD(2); Marica Popovic, PhD(3);	(1)Western Serbia Academy of Applied Studies, Užice, Serbia; (2)University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia; (3)University of Belgrade, Vinča Institute of Nuclear Sciences, Belgrade, Serbia;	<a href="#">CLICK</a>
31	A COMBINED APPROACH FOR DIGITAL RECONSTRUCTION OF REAL-WORLD OBJECTS AND BUILDINGS USING 3D LASER SCANNERS AND PHOTOGRAMMETRY	Georgi Hristov, PhD; Diyana Kinaeva, PhD; Plamen Zahariev, PhD;	University of Ruse “Angel Kanchev”, Ruse, Bulgaria;	
32	CURRENT STATE AND EMERGING APPLICATIONS OF THE UNMANNED AERIAL VEHICLES AND THE AERIAL MANIPULATOR PLATFORMS IN THE PRECISION AGRICULTURE DOMAIN	Georgi Hristov, PhD(1); Nikolay Zlatov, PhD(2); Plamen Zahariev, PhD(1); Diyana Kinaeva, PhD(1); Yavor Yotov, MSc(2);	(1) University of Ruse “Angel Kanchev”, Ruse, Bulgaria; (2) Institute of Mechanics - BAS, Sofia, Bulgaria;	

33	COMPARATIVE ANALYSIS BETWEEN THE TRADITIONAL METHODS AND THE DIGITAL TECHNOLOGIES FOR DETECTION OF FOREST FIRES	Georgi Georgiev, MSc; Georgi Hristov, PhD; Plamen Zahariev, PhD; Diyana Kinaneva, PhD;	University of Ruse “Angel Kanchev”, Ruse, Bulgaria;	
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