

SCIENTIFIC COMMITTEE

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14. Ljubodrag Tanović, PhD, Full Professor, Faculty of Mechanical Engineering, Belgrade University (Serbia)
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16. Branimir Jovančičević, PhD, Full Professor, Dean of the Faculty of Chemistry, Belgrade University (Serbia)
17. Boban Stojanović, PhD, Docent, Faculty of Science, University of Kragujevac (Serbia)
18. Ratko Nikolić, PhD, Full Professor, Correspondent Member of Academy of Engineering Sciences of Serbia, Faculty of Agriculture, University of Novi Sad, Higher Education Technical School of Professional Studies, Novi Sad (Serbia)
19. Nenad Šušić, PhD, Research Professor, IMS Institute Belgrade (Serbia)
20. Petar Bojović, PhD, Associate Professor, Faculty of Industrial Management, Kruševac (Serbia)
21. Radomir Stojanović, PhD, Professor of Vocational Studies, Business and Technical College of Applied Sciences, Užice (Serbia)
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55. Dragan Milašinić, Ph.D, Full Professor, Faculty of Civil Engineering, University of Novi Sad, Subotica (Serbia)
56. Miroslav Radojičić, PhD, Full Professor, Faculty of Technical Sciences, University of Kragujevac, Čačak (Serbia)
57. Aleksandar Stojanović, PhD, Associate Professor, Faculty of Economics, University of East Sarajevo, Pale (Republic of Srpska, Bosnia and Herzegovina)
58. Dragan Kulina, PhD, Associate Professor, Faculty of Economics, University of East Sarajevo, Pale (Republic of Srpska, Bosnia and Herzegovina)
59. Momčilo Vasiljević, PhD, Professor of Vocational Studies, Business College of Vocational Studies, Valjevo (Serbia)
60. Mile Petrović, PhD, Full Professor, Faculty of Technical Sciences, University of Priština (Serbia)
61. Ivica Veža, PhD, Full Professor, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split, Split (Croatia)
62. Simona Oprea, PhD, Full Professor, Bucharest Academy of Economic Studies (Romania)
63. Dušan Popov, PhD, Full Professor, University of Timisoara (Romania)
64. Marian Greconici, PhD, Full Professor, Universitatea Politehnica Timișoara (Romania)

ORGANIZING COMMITTEE

- Ivana Ćirović, PhD - President of Organizing Committee
- Dragomir Aćimović, MSc - Vice-President of Organizing Committee
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- Ivana Marinković, MA
- Miroslav Drašković
- Predrag Popović
- Milisav Šuljagić
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- Marina Vulović
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- Marija Jezdović

CONFERENCE SUPPORTERS

The 10th international scientific conference 'SED 2017' is strongly supported by the **College of Applied Technical Sciences from Niš**. The College of Applied Technical Sciences Niš is a respectable, public education institution, which boasts a forty-one years' old tradition in higher education. This college offers various undergraduate and specialist vocational study programmes. The accreditation of vocational master studies is underway.

The Business and Technical College of Applied Sciences Užice wishes you a warm welcome to the 10th international conference

Science and Higher Education in Function of Sustainable Development – SED 2017

The conference will gather the representatives of science, our country, society, economy, media, and others involved in the development of science and higher education through various activities, especially through the promotion of higher education in Zlatibor district.

General Topics

Bearing in mind that sustainable social and economic development requires contemporary knowledge, the conference will include scientific papers on topics relating to eight programme areas:

- Mechanical Engineering
- Informatics and Mathematics
- Civil Engineering and Architecture
- Medicine and Healthcare
- Technological Engineering
- Occupational Safety and Health
- Environmental Protection
- Management and Entrepreneurship
- Economics
- Tourism
- Student Papers

The aim of the conference is to highlight the role of science and higher education in achieving the sustainable development, to promote and popularize science, to improve the international scientific exchange and cooperation, as well as to strengthen the bonds between our educational institution and other institutions in our society.

We wish all the participants a successful conference and a pleasant stay in Drvengrad and Serbia.

CONFERENCE PROGRAMME

10th International Scientific Conference
 'SCIENCE AND HIGHER EDUCATION IN FUNCTION OF
 SUSTAINABLE DEVELOPMENT– SED 2017'

FIRST DAY - Friday, 6th October 2017

(16:00 – 17:00) Entrance hall – Registration of participants

(17:00 – 19:00) Amphitheatre - Opening ceremony,
 welcome speeches

PLENARY SESSION

CHAIR	IVANA ĆIROVIĆ, PhD	
VICE-CHAIRS	MILUTIN ĐURIČIĆ, PhD DAMNJAN RADOSAVLJEVIĆ, PhD SVETISLAV POPOVIĆ, FULL PROFESSOR NATAŠA KRISTAN PRIMŠAR, BSC	
Author(s)		Title of paper
Svetislav Popović, Full Professor, University of Montenegro, Montenegro		CITIES IN TRANSITION
Nataša Kristan Primšar, BSc Srećko Simović, BSc Tilka Sever, BA School Centre Kranj, Slovenia		WORK-BASED LEARNING FOR STUDENTS

(20:00) - Gala dinner

SECOND DAY - SATURDAY, 7th OCTOBER 2017
(10:00-13:00) Amphitheatre
**SESSIONS: Economics,
Management and Entrepreneurship,
Tourism**

CHAIRS

MILUTIN ĐURIČIĆ, PhD
IVICA VEŽA, FULL PROFESSOR

№	Author(s)	Title of paper
ECONOMICS		
1.	Ana Todorović, MSc 1 1 Faculty of Economics, University of Kragujevac, Kragujevac, SERBIA	THE CHOICE AND SELECTION OF A FOREIGN MARKET ENTRY STRATEGY
2.	Momčilo Vasiljević, PhD 1; Nenad Mihailović 1; Miloš Kastratović, PhD 1; Marina Vulović 2 1 Valjevo Business School of Applied Studies, Valjevo, SERBIA, 2 Business and Technical College of Applied Sciences Užice, SERBIA	INFLUENCE OF TAX REGULATIONS ON ACCOUNTING OF INTERMEDIARY SERVICES IN TOUR PACKAGE SALES
3.	Nenad Mihailović 1; Snežana Ljubisavljević, PhD 2; Momčilo Vasiljević, PhD 1; Radovan Kastratović 3 1 Valjevo Business School of Applied Studies, Valjevo, SERBIA, 2 Faculty of Economics, University of Kragujevac, Kragujevac, SERBIA, 3 Faculty of Economics, University of Belgrade, Belgrade, SERBIA	TAX TREATMENT OF COMPANIES WHICH PROVIDE TOURIST SERVICES
4.	Đorđe Pavlović, PhD 1; Branko Gledović, PhD 2 1 Valjevo Business School of Applied Studies, Valjevo, SERBIA 2 Valjevo, SERBIA	COMPARATIVE ANALYSIS OF APPLICATION SOFTWARE FOR MULTIVARIATE ANALYSIS METHODS IN ECONOMICS
5.	Nemanja Radović, MSc, 1 1 Business and Technical College of Applied Sciences Užice, SERBIA	KAIZEN COSTING IN SERBIAN SMES: A CASE STUDY OF PERFORM LTD.
6.	Kristina Spasić, MSc, 1; Marko Krstić, MSc, 1 1 Higher Business School of Professional Studies, Leskovac, SERBIA	ANALYSING AND FORECASTING THE TREND OF REPORTING FINANCIAL FRAUD IN THE UNITED STATES WITH A BRIEF OVERVIEW OF THE REPUBLIC OF SERBIA
7.	Rajko Macura, PhD 1; Nenad Novaković, PhD 1; Nikola Novaković, MSc 1; 1 Banja Luka College; Banja Luka; Republic of Srpska, B&H	GLOBALIZATION - WAY TO ECONOMIC PROSPERITY OR DOWNFALL OF HUMAN SOCIETY
8.	Milica Ranđelović 1; Milica Stamenković 1 1 Higher Business School of Professional Studies, Leskovac, SERBIA	CONTEMPORARY APPROACHES TO OPERATIONAL RISK MANAGEMENT AT BANKS

MANAGEMENT AND ENTREPRENEURSHIP		
9.	Dušan Garabinović 1 1 Faculty of Business Economics and Entrepreneurship, Belgrade, SERBIA	EXAMPLES OF GOOD ENTREPRENEURIAL MARKETING PRACTICE IN THE FIELD OF TOURISM OF DRAGAČEVO
10.	Jelena Joksić 1; Zoran Nešić, PhD 2; Stojanče Nusev, PhD 3 1 College of Applied Technology Science, Aranđelovac, SERBIA, 2 Faculty of Technical Sciences, University of Kragujevac, Čačak, SERBIA, 3 Faculty of Technical Sciences, University "St. Kliment Ohridski", Bitola, MACEDONIA	THE ORGANIZATION AND MANAGEMENT OF THE PRODUCTION PROCESS OF A COMPANY
11.	Dragana Vuković 1; Zoran Nešić, PhD 2; Stojanče Nusev, PhD 3 1 College of Applied Technology Science, Aranđelovac, SERBIA, 2 Faculty of Technical Sciences, University of Kragujevac, Čačak, SERBIA, 3 Faculty of Technical Sciences, University "St. Kliment Ohridski", Bitola, MACEDONIA	OPERATIONAL PLANNING AND SCHEDULING IN MANUFACTURING ORGANIZATIONS
12.	Dragana Vuković 1; Jelena Joksić 1; Đorđe Mihailović, PhD 1 1 College of Applied Technology Science, Aranđelovac, SERBIA	COMPARATIVE ANALYSIS OF RISK MANAGEMENT METHODOLOGIES OF STRATEGIC INVESTMENT PROJECTS
13.	Jelena Joksić 1; Dragana Vuković 1; Zoran Nešić, PhD 2 1 College of Applied Technology Science, Aranđelovac, SERBIA, 2 Faculty of Technical Sciences Čačak, University of Kragujevac, Čačak SERBIA	THE ROLE OF PLANNING IN THE PROCESS OF PROJECT IMPLEMENTATION
14.	Ivica Veža, PhD 1; Zoran Nešić, PhD 2; Miroslav Radojičić. PhD 2; Boženko Bilić, PhD 1 1 Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split, University of Split, CROATIA, 2 Faculty of Technical Sciences, University of Kragujevac, Čačak, SERBIA	SOFTWARE SUPPORT TO THE IMPLEMENTATION OF MULTI-CRITERIA OPTIMIZATION IN INVESTMENT PROJECT RANKING
15.	Teodora Lolić 1; Dušanka Dakić 1; Ivan Miković 1; Darko Stefanović 1 1 Faculty of Technical Sciences, University of Novi Sad, Novi Sad, SERBIA	ELECTRONIC GOVERNMENT AT THE LOCAL LEVEL IN THE REPUBLIC OF SERBIA
16.	Dragan Stojanović, PhD 1; Marko Krstić, MSc 1 1 Higher Business School, Leskovac, SERBIA	MODERN APPROACHES AND CHALLENGES OF RISK MANAGEMENT IN ELECTRONIC BANKING
17.	Zoran Čeganjac, PhD 1; Nenad Milutinović, MSc 2 1 Užice, SERBIA, 2 Business and Technical College of Applied Sciences, Užice, SERBIA	APPLICATION OF "NULL OF HYPOTHESIS" IN RESEARCH OF AGE RELATIONS AND LEVELS OF EDUCATION OF EMPLOYEES
18.	Zoran Čeganjac, PhD 1; Natasa Čirović, PhD 2; Dragica Samardžić 3 1 Užice, SERBIA, 2 Business and Technical College of Applied Sciences, Užice, SERBIA, 3 Chamber of Commerce of Vojvodina, SERBIA	CORPORATE (ORGANIZATIONAL) CULTURE AND ITS IMPACT ON BUSINESS EFFICIENCY

19.	<p>Nataša Čirović, PhD 1; Milutin Đuričić, PhD 1; Jelena Avakumovic, PhD 2</p> <p>1 Business and Technical College of Applied Sciences, Užice, SERBIA 2 High School for Design, Technology and Management Belgrade, SERBIA</p>	ENERGY EFFICIENCY THROUGH EXAMPLES OF REMOTE HEATING IN SERBIA
TOURISM		
20.	<p>Radmila Zotović, PhD 1;</p> <p>1 Institute of Archaeology, Belgrade, SERBIA</p>	PLATES FROM BOLJETIN SITE
21.	<p>Slobodanka Marković, MSc 1; Marija Perić, MSc 1</p> <p>1 Faculty of Geography, Belgrade, SERBIA</p>	TOURISM INTENSITY AS A DEVELOPMENT FACTOR OF SPA CENTERS OF DONJE PODRINJE (SERBIA)
22.	<p>Tamara Milunović 1; Miloš Đokić 2; Marija Đorđević 1; Kristina Radičević 1</p> <p>1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Business College of Vocational Studies, Leskovac, SERBIA</p>	SERBIAN STUDENTS' PERCEPTION OF GREEK EDUCATIONAL SYSTEM
23.	<p>Jasna Potočnik Topler 1</p> <p>1 Faculty of Tourism, University of Maribor, Brežice, SLOVENIA</p>	MEDIA REPRESENTATION OF AN OLM AND ITS ROLE IN THE CREATION OF A DESTINATION
24.	<p>Dragana Ilić, MSc 1; Predrag Stamenković, PhD 1; Ljubica Janjić Baduli, MSc 1</p> <p>1 Higher Business School, Leskovac, SERBIA</p>	ANALYSIS OF TOURIST TRAFFIC IN THE REGION OF SOUTHERN AND EASTERN SERBIA
25.	<p>Marija Perić, MSc 1; Slobodanka Marković, MSc 1</p> <p>1 Faculty of Geography, Belgrade, SERBIA</p>	THE APPLICATION OF THE SUSTAINABLE TOURISM DEVELOPMENT CONCEPT THROUGH THE EXAMPLE OF 'THE GORGE OF THE GRADAC RIVER'
26.	<p>Stefan Denda, MSc 1; Jasna Stojanović, MSc 1; Milan Milenković, PhD 1; Tamara Jojić Glavonjić, MSc 1</p> <p>1 Geographical Institute "Jovan Cvijić" of the Serbian Academy of Sciences and Arts, Belgrade, SERBIA</p>	THE ROLE OF HIGHER EDUCATION INSTITUTIONS IN HUMAN RESOURCE EDUCATION IN THE FIELD OF TOURISM: THE CASE STUDY OF SERBIA
27.	<p>Radomir Stojanović, PhD 1; Nemanja Radović, MSc 1</p> <p>1 Business and Technical College of Applied Sciences, Užice, SERBIA</p>	TARGET COST MANAGEMENT PRINCIPLES IN TOURISM PRODUCT DEVELOPMENT
28.	<p>Vesna Vujačić, PhD 1; Marija Bodroža Solarov, PhD 2; Greta Krešić, PhD 3</p> <p>1 Faculty of Tourism and Hotel Management, University of Montenegro, Kotor, MONTENEGRO, 2 Institute of Food Technology, University of Novi Sad, Novi Sad, SERBIA, 3 Faculty of Tourism and Hospitality Management, University of Rijeka, Opatija, CROATIA</p>	GASTRONOMIC TRADITION AIMED AT IMPROVING TOURISM PRODUCTS IN MONTENEGRO

29.	<p>Jovan Spajić, PhD 1; Radomir Stojanović, PhD 2 1 Faculty of Management, Herceg Novi, MONTENEGRO 2 Business and Technical College of Applied Sciences, Užice, SERBIA</p>	<p>MANAGEMENT ASPECTS NECESSARY IN THE PROCESS OF CREATING THE MATERIAL BASIS OF TOURISM</p>
30.	<p>Nevena Čepić 1 1 Tourism Organization of Zlatibor, Zlatibor, SERBIA</p>	<p>ECONOMIC EFFECTS OF SUSTAINABLE TOURISM</p>
31.	<p>Jelena Avakumović, PhD 1 1 DTM, Belgrade, SERBIA</p>	<p>MARKETING MANAGEMENT OF TOURIST SERVICES AND MARKETING MANAGEMENT OF RELATIONS IN TOURISM</p>
32.	<p>Anđela Mikić, PhD 1; Ana Bovan, PhD 2; Dragoslav Jokić, PhD 3 1 Belgrade Business School – Higher Education Institution for Applied Studies; Belgrade, SERBIA, 2 Belgrade Metropolitan University, Belgrade, SERBIA, 3 Business and Technical College of Applied Sciences, Užice, SERBIA</p>	<p>TOURISM DESTINATION BRANDING AS AN IMPORTANT STRATEGIC RESOURCE OF ECONOMIC DEVELOPMENT</p>
33.	<p>Zorica Tanasković, MSc 1; Vesna Vasović, PhD 1; Milovan Milivojević, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA</p>	<p>SUSTAINABLE RURAL DEVELOPMENT</p>
34.	<p>Milan Antonijević, PhD 1; Milan Đuričić, PhD 2, Milutin Đuričić, PhD 3 1 University of Greenwich, UNITED KINGDOM, 2 Faculty of Business and Industrial Management, University "Union Nikola Tesla" Belgrade, SERBIA, 3 Business and Technical College of Applied Sciences, Užice, SERBIA</p>	<p>HOW TO IMPROVE SUSTAINABILITY OF TEMPUS PROJECTS</p>
35.	<p>Miloš Tucović, PhD 1; Irena Tucović 2; Dimitrije Tucović 3 1 Hospitality and Tourism School Belgrade, SERBIA, 2 Ministry of Trade, Tourism and Telecommunications RS, Belgrade, SERBIA, 3 UPD Stari grad, Belgrade, SERBIA</p>	<p>ECONOMIC ASPECTS OF THE INFLUENCE OF TOURISM ON THE DEVELOPMENT OF SERBIA</p>

(10:00-13:00) Stanley Kubrick Cinema		
SESSIONS: Medicine and Healthcare, Informatics and Mathematics		
CHAIRS		MIRO LJUB PETROVIĆ, FULL PROFESSOR DAMNJAN RADOSAVLJEVIĆ, PHD
№	Author(s)	Title of paper
MEDICINE AND HEALTHCARE		
1.	Slađana Pavić, Primarius MD PhD 1; Miloš Božović, Primarius MD 2; Aleksandra Andrić, MD MSc 3; Aleksandra Pavić 1 Infectious and Tropical Diseases Department of General Hospital Užice, Užice, SERBIA, 2 General Hospital Užice, Užice, SERBIA, 3 Public Health Institute, Užice, SERBIA, 4 Faculty of Medicine, University of Belgrade, Belgrade, SERBIA	INFLUENZA VIRUS GENOTYPES AND CLINICAL COURSE OF THE DISEASE
2.	Slađana Pavić, Primarius MD PhD 1 , Ljiljana Jeremić, MD 2; Slobodan Jovičević, MD 3; Aleksandra Pavić 1 Infectious and Tropical Diseases Department of General Hospital Užice, Užice, SERBIA, 2 Department of Neurology, General Hospital Užice, Užice, SERBIA, 3 Admission and Emergency Service, general Hospital Užice, Užice, SERBIA; 4 Faculty of Medicine, University of Belgrade, Belgrade, SERBIA	NEUROSYPHILIS – CASE REPORT
3.	Alma Fazlović, MSc 1; Hajrija Hamidović, PhD 1; Aldijana Avdić, PhD 1; Amela Karić, PhD 1 1 Department of Biology, Faculty of Natural Sciences and Mathematics, University of Tuzla, BOSNIA AND HERZEGOVINA	THE ANALYSIS OF BLOOD TYPE DISTRIBUTION OF THE ABO AND RH SYSTEM IN THE POPULATION OF TUZLA CANTON (BOSNIA AND HERZEGOVINA)
4.	Milena Aćimović, MD PhD 1; Branka Bacotić, MD PhD 1, Ana Milošević-Đerić, PhD 1; Snežana Vidaković, MD PhD 2 1 Department of Gynecology and Obstetrics, Medical Center Užice, SERBIA, 2 Institute for Gynecology and Obstetrics, Clinical Center, Belgrade, SERBIA	IMPORTANCE OF CA 125 IN DIAGNOSIS OF ENDOMETRIOSIS
5.	G. Babić MSc; T. Kalsi MD; D. Harari MD 1 GOLD, Department of Ageing & Health, Guys Hospital, Guys & St Thomas' NHS Foundation Trust, London, UK, 2 Division of Health and Social Care Research, King's College London, London, UK	LITERATURE REVIEW: EFFECTIVENESS OF COMPREHENSIVE GERIATRIC ASSESSMENT (CGA) AND USE OF HEALTH RELATED QUALITY OF LIFE (HRQL) INSTRUMENTS IN THE MANAGEMENT OF OLDER PATIENTS DIAGNOSED WITH CANCER

6.	<p>Ana Milošević-Đerić, PhD 1; Milena Aćimović, PhD 1; Gordana Šošić, MSc 2; Tanja Novaković, MSc 2</p> <p>1 Department of Gynecology and Obstetrics, Medical Centre Užice, Užice, SERBIA, 2 Clinic of Gynecology and Obstetrics, Clinical Centre Kragujevac, Kragujevac, SERBIA</p>	<p>INCIDENCE OF PRENATAL PERICENTRIC INVERSION OF CHROMOSOME 9 IN POPULATION OF WESTERN SERBIA</p>
7.	<p>Gordana Šošić 1; Ana Milošević-Đerić 2; Milena Aćimović 2; Tanja Novaković 1</p> <p>1 Department for Cytogenetic Diagnosis, Clinic of Obstetrics and Gynecology, Clinical Center Kragujevac, Kragujevac, SERBIA 2 Department of Gynecology and Obstetrics, Medical Centre Užice, Užice, SERBIA</p>	<p>INCIDENCE OF TRISOMY 18 PRENATALLY DIAGNOSED BY AMNICENTESIS-ONE CENTER EXPERIENCE</p>
9.	<p>Sanja Matić Jolić, MSc 1; Bojana Popović 2</p> <p>1 General Hospital Užice, Užice, SERBIA 2 Community Health Centre Novi Beograd, Belgrade, SERBIA</p>	<p>RELATIONSHIP BETWEEN SPYROMETRY AND DYSPNEA IN CHRONIC OBSTRUCTIVE PULMONARY DISEASES</p>
10.	<p>Tatjana Marinković, PhD 1; Kristina Vojvodić, MSc 1; Dragan Marinković, PhD 2</p> <p>1 Sanitary-Medical School of Applied Sciences VISAN, Belgrade, SERBIA, 2 Faculty of Special Education and Rehabilitation, University of Belgrade, Belgrade, SERBIA</p>	<p>GENETICALLY MODIFIED FOOD - CONSUMER PROTECTION AND TRADE REGULATIONS</p>
11.	<p>Dragan Marinković, PhD 1</p> <p>1 Faculty of Special Education and Rehabilitation, University of Belgrade, Belgrade, SERBIA</p>	<p>BRAIN IMAGING – ONE STEP CLOSER TO MIND READING</p>
12.	<p>Dragan Marinković, PhD1; Tatjana Marinković, PhD 2</p> <p>1 Faculty of Special Education and Rehabilitation, University of Belgrade, Belgrade, SERBIA, 2 Sanitary-Medical School of Applied Sciences VISAN, Belgrade, SERBIA</p>	<p>NEUROPLASTIC RESPONSE TO NERVOUS SYSTEM DAMAGE</p>
INFORMATICS AND MATHEMATICS		
13.	<p>Ivana Jovanović, MSc 1</p> <p>1 Higher Business School of Professional Studies, Leskovac, SERBIA</p>	<p>LEARNING FOREIGN LANGUAGES VIA MOBILE DEVICES – ATTITUDE AND EXPERIENCE OF STUDENTS OF HIGHER BUSINESS SCHOOL OF PROFESSIONAL STUDIES IN LESKOVAC</p>
14.	<p>Borivoj Subotić, PhD 1; Ilija Subotić 2</p> <p>1 Faculty of Business Studies and Law, Belgrade, SERBIA, 2 Faculty of Mathematics, Belgrade, SERBIA</p>	<p>ON LIMITATIONS OF KNOWLEDGE FROM THE PERSPECTIVE OF MATHEMATICS</p>
15.	<p>Miroslava Mihajlov Carević, MSc 1; Nebojša Denić, PhD 1</p> <p>Faculty of Mathematics and Computer Science, Alfa BK University, Belgrade, SERBIA</p>	<p>USING GEOGEBRA TO HELP STUDENTS UNDERSTAND AND MEMORIZE MATHEMATICAL FORMULAS</p>

16.	P. Marić 1; Ž. Živanović 1; M. Hajduković 1; D. Milašinović 2 1 Faculty of Technical Sciences, Novi Sad, University of Novi Sad, SERBIA, 2 Faculty of Civil Engineering, University of Novi Sad, Subotica, SERBIA	PYTHON PROGRAMMING LIBRARY FOR QUICK DEVELOPMENT OF SELF-REGISTERING PLUG-IN SYSTEMS
17.	Jelena Rajović, MSc 1; Nenad Marković 1; Dragana Jakšić 1 1 Technical College of Applied Sciences Uroševac, Leposavić, SERBIA	MODERN TECHNOLOGIES IN FOREIGN LANGUAGE TEACHING
18.	Vladimir Kruguljac, MSc 1; Danko Milašinović, PhD 1 1 Faculty of Hotel Management and Tourism, University of Kragujevac, Vrnjačka Banja, SERBIA	INFORMATION AND COMMUNICATION TECHNOLOGIES EDUCATION FOR FUTURE PROFESSIONALS IN HOTEL MANAGEMENT AND TOURISM BUSINESS
19.	Zoran Maroš, PhD 1; Nataša Papić-Blagojević, PhD 1 1 Novi Sad School of Business, Novi Sad, SERBIA	ANALYSIS OF SELECTED STUDENTS; IT INDICATORS AS POSSIBLE MOTIVATING FACTORS FOR E-COMMERCE ADOPTION
20.	Đordje Dihovični, PhD 1; Miroslav Medenica, PhD 1 1 Technical College of Professional Studies, Belgrade, SERBIA	DATABASE LINEAR SCALABILITY AND HIGH AVAILABILITY WHILE MAINTAINING SYSTEM PERFORMANCE
21.	Olga Ristić PhD 1; Vlade Urošević PhD 1 1 Faculty of Technical Sciences, Čačak, SERBIA,	DEVELOPMENT OF MOBILE APPLICATIONS AND OPEN-SOURCE FRAMEWORKS FOR TESTING PURPOSES
22.	Ljubica Diković, PhD 1 Business and Technical College of Applied Sciences, Užice, SERBIA	EXPLORING FIBONACCI NUMBERS USING MATLAB
23.	Hana Stefanović, PhD 1; Radosav Veselinović, MSc 2; Dejan Milić, PhD 3 1 ComTrade, Information Technology School of Applied Studies, Belgrade, SERBIA, 2 Faculty of Economics, Belgrade, SERBIA, 3 Faculty of Electronic Engineering, Niš, SERBIA	SOME OPTIMIZATION OF MATLAB-BASED NUMBER PLATE RECOGNITION ALGORITHM
24.	Mirko Kosanović, PhD 1; Miloš Kosanović 1 1 College of Applied Technical Sciences, Niš, SERBIA	INTERNET RISKS
25.	Violeta Stojanović, MSc1; Zoran Milivojević, PhD 1; Zoran Veličković, PhD 1 1 College of Applied Technical Sciences, Niš, SERBIA	DETERMINING OPTIMAL PARAMETERS OF REVERBERATION TIME IN OCTAGONAL ROOM USING STATISTICAL ANALYSIS
26.	M. Milivojević 1; S. Obradović 1; V. Stevanetić 2; D. Drndarević 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Institute for Public Health Užice, Užice, SERBIA	BICUBIC SPLINE ESTIMATOR FOR PROBABILITY DENSITY FUNCTIONS OF RAW WATER PROPERTIES
27.	Dragana Knežević, MSc 1; Marija Blagojević PhD 2; Ivana Marinković, MA 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA; 2 Faculty of Technical Sciences, University of Kragujevac, Čačak, SERBIA	USING DATA MINING TECHNIQUES TO DISCOVER THE CORRELATION BETWEEN HIGH SCHOOLS FINISHED AND HIGHER EDUCATION PROGRAMMES CHOSEN BY STUDENTS

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28.	Miroslava Jordović Pavlović, MSc 1; Dragana Knežević, MSc 1; Slobodan Petrović, MSc 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	DATA VISUALIZATION AND EXPLORATION OF STUDENT DATABASE
29.	M. Milivojević 1; Đ. Forst 1; Đ. Moljković 1; M. Tomić 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	STATISTICAL SOFTWARE FOR RAW WATER QUALITY ASSESMENT
30.	Zoran Milivojević, PhD 1; D. Kostić 1; Darko Brodić, PhD 2, 1 Technical College of Applied Sciences Niš, SERBIA, 2 Technical Faculty in Bor, University of Belgrade, Bor, SERBIA	INFLUENCE OF BACKGROUND NOISE SUCH AS MAJOR CHORD ON SPEECH INTELLIGIBILITY IN SERBIAN LANGUAGE
31.	Zdravko Bijelć, PhD 1; Bojana Jokić, PhD 2; Biljana Milanović, MSc 1; Mitar Bijelić 1 1 "LOGOS" Institute (in the process of founding), Novi Sad, SERBIA, 2 Business Economics Academy, ČAČAK, SERBIA	MATHEMATICAL MODELLING AND THE OPTIMIZATION OF DEVELOPMENT CHANGES OF THE PROCESS AND SYSTEM

(10:00-13:00) Kapor Library		
SESSIONS: Civil Engineering and Architecture, Mechanical Engineering		
CHAIRS		SVETISLAV POPOVIĆ, FULL PROFESSOR DRAGUTIN DEBELJKOVIĆ, FULL PROFESSOR
No	Author(s)	Title of paper
CIVIL ENGINEERING AND ARCHITECTURE		
1.	Ljiljana Stošić, PhD 1, Predrag Mihajlović, PhD 2; Marija Mihajlović 3 1 College of Applied Professional Studies, Vranje, SERBIA, 2 Ministry of Construction, Transportation and Infrastructure of the Republic of Serbia, Belgrade, SERBIA, 3 Faculty of Civil Engineering and Architecture, University of Niš, SERBIA	NEW TECHNOLOGY IN ECONOMIC, AESTHETIC AND FUNCTIONAL ARCHITECTURE DEVELOPMENT
2.	Zdenka Radovanović, PhD 1 1 Ministry of Youth and Sports, Belgrade, SERBIA	PERMANENCE AND CHANGES OF RESIDENTIAL CONSTRUCTION IDEAS IN CENTRAL SERBIA UNTIL 20TH CENTURY IN CONTEXT OF SUSTAINABLE DEVELOPMENT
3.	Snežana Dragičević, PhD 1; Milan Marjanović, MSc 1; Brankica Šutić, MSc 1 1 Faculty of Technical Sciences Čačak, University of Kragujevac, SERBIA	DYNAMIC SIMULATION OF THERMAL BEHAVIOR OF CONVENTIONAL AND GREEN ROOFS
4.	Jelena Bijeljić, MSc 1; Nenad Ristić, PhD 2; Natalija Tošić, MSc 1; Milan Protić, MSc 1 1 College of Applied Technical Sciences, Niš, SERBIA, 2 Faculty of Civil Engineering and Architecture, Niš, SERBIA	IMPACT OF DIFFERENT THERMAL ACTIVATED CALCINED CLAYS TO CONCRETE PROPERTIES: A REVIEW
5.	Dragan Lukić, PhD 1; Elefterija Zlatanović, PhD 2 1 Faculty of Civil Engineering Subotica, University of Novi Sad, Subotica, SERBIA, 2 Faculty of Civil Engineering and Architecture Niš, University of Niš, Niš, SERBIA	RQD CLASSIFICATION OF ROCK MASSES
6.	Miodrag Popov, PhD 1; Dušan Popov, PhD 2 1 Politehnica University Timisoara, Department of Architecture and Urban Planning, Timisoara, ROMANIA, 2 Politehnica University Timisoara, Department of Physical Foundations of Engineering, Timisoara, ROMANIA.	AN ALGEBRAIC MODEL FOR THE SUSTAINABLE DEVELOPMENT ASSESSMENT

7.	<p>Danijela Zlatković, PhD 1; Jelena Zlatković 2 1 College of Applied Technical Sciences, Niš, SERBIA, 2 Faculty of Civil Engineering and Architecture Niš, University of Niš, Niš, SERBIA</p>	<p>SOIL AND GROUND WATER CONTAMINATION BY AGRICULTURAL CHEMISATION</p>
8.	<p>Jelena Markičević, MSc 1; Marija Tošanović, MSc 2; Natalija Redžić 2; Aleksandar Savić, PhD 2 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Faculty of Civil Engineering, University of Belgrade, Belgrade, SERBIA</p>	<p>PHYSICAL AND MECHANICAL PROPERTIES OF CONCRETE CURED AT LOW TEMPERATURES</p>
9.	<p>Radomir Zejak, PhD 1; Goran Gorašević 2; Vlastimir Prašćević 3; Igor Đuranović 4 1 Faculty of Civil Engineering, University of Montenegro, Podgorica, MONTENEGRO, 2 RG Group LLC, Podgorica, MONTENEGRO, 3 Mosting LLC Podgorica, MONTENEGRO, 4 X-Inženjering LLC Podgorica, MONTENEGRO</p>	<p>TECHNOLOGY USED FOR CONSTRUCTION OF FOUNDATIONS AND PIERS OF "MORAČICA" BRIDGE ON BAR – BOLJARE HIGHWAY</p>
MECHANICAL ENGINEERING		
10.	<p>Branislav Gavrilović, PhD 1; Bundalo Zoran PhD 1 1 Railway College of Vocational Studies, Belgrade, SERBIA</p>	<p>ENERGY SAVING AND VOLTAGE STABILISATION IN URBAN ELECTRIFIED PUBLIC TRANSPORT OF BELGRADE – ANALYSIS OF SIMULATION RESULTS</p>
11.	<p>Marina Dojčinović 1; Nada Jovičić 2; Ljiljana Trumbulović, PhD 3 1 Faculty of Technology and Metallurgy, Belgrade, SERBIA 2 Technical School, Užice, SERBIA 3 Business and Technical College of Applied Sciences, Užice, SERBIA</p>	<p>CAVITATION RESISTANCE OF ALUMINUM ALLOY IN CAVITATION CONDITIONS</p>
12.	<p>Ljiljana Trumbulović, PhD 1; Marko Pavlović 2; Nada Jovičić 3; Zagorka Aćimović Pavlović 2 1 Business and Technical College of Applied Sciences, Užice, SERBIA 2 Faculty of Technology and Metallurgy, Belgrade, SERBIA, 3 Technical School Užice, SERBIA</p>	<p>CORDIERITE CERAMICS IN FOUNDRY</p>
13.	<p>Drakče Tanasković, PhD 1; Slobodan Petrović, MSc 2 1 Smederevo Steel Mill, Smederevo, SERBIA, 2 Business and Technical College of Applied Sciences, Užice, SERBIA</p>	<p>SOFTWARE FOR DESIGNING REPAIR WELDING TECHNOLOGY FOR CRANE WHEELS</p>

14.	Radivoje Topić 1; Goran Topić 2; Dragomir Aćimović 3; Jelena Tasić 4 1 Faculty of Mechanical Engineering, Belgrade, SERBIA, 2 Srbijagas, Novi Beograd, SERBIA, 3 Business and Technical College of Applied Sciences, Užice, SERBIA, 4 Energoprojekt, Belgrade, SERBIA	ORIGINAL DRYING SOLUTIONS OF SMALL CAPACITY USED FOR RENEWABLE ENERGY SOURCES
15.	Dragomir Aćimović, MSc 1; Nebojša Panić 2; Damnjan Radosavljević, PhD 1; 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Emergency Situations Department, Belgrade, SERBIA	DESIGN AND INSTALLATION PRINCIPLES FOR FIRE SPRINKLE SYSTEMS USED IN UNDERGROUND GARAGES AND SUPPLEMENTARY LEGAL ACTS
16.	Tanasković Drakče 1; Slobodan Petrović 2; Vesna Šotra 3 1 Smederevo Steel Mill, Smederevo, SERBIA, 2 Business and Technical College of Applied Sciences, Užice, SERBIA, 3 Technical College of Professional Studies, Belgrade, SERBIA	THE IMPACT OF HEATING ENERGY ON THE QUALITY OF CRANE WHEEL REPAIRS
17.	Damnjan Radosavljević, PhD 1; Dragomir Aćimović, MSc 1; Vesna Šotra 2 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Technical College of Professional Studies, Belgrade, SERBIA	HISTORY, CLASSIFICATION AND APPLICATION OF GAS TURBINE
18.	Miodrag Petrović, MSc 1 1 Copper Mill, Sevojno, Užice, SERBIA	DETERMINING LIMIT DEFORMABILITY CURVES OF SOME FERROUS METALS
19.	Dragoljub Drndarević, PhD 1; Milovan Milivojević, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	AN APPLICATION OF NEURAL NETWORKS IN MODELLING

(10:00-13:00) Kapor Bar		
SESSIONS: Occupational Safety and Health, Environmental Protection, Student Papers		
CHAIRS		LJILJANA TRUMBULOVIĆ, PhD ANICA MILOŠEVIĆ
№	Author(s)	Title of paper
OCCUPATIONAL SAFETY AND HEALTH		
1.	Natalija Tošić 1, Jelena Bijeljić 1, Nemanja Petrović 1, Milan Pavlović 1 1 College of Applied Technical Sciences Niš, Niš, SERBIA	THE ANALYSIS OF THE EVACUATION PLAN AND PROCEDURE ADOPTED BY THE COLLEGE OF APPLIED TECHNICAL SCIENCES NIŠ
2.	Vesna Marjanović, PhD 1; Nataša Ćirović, PhD 1; Ivana Marinković, MA 1; Vuksan Dragojević 2 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Zvezda-Helios, JSC, Gornji Milanovac, SERBIA	RISK ASSESSMENT IN THE WORKPLACE OF A LABORATORY TECHNICIAN IN A CHEMISTRY AND PHYSICAL CHEMISTRY LABORATORY
ENVIRONMENTAL PROTECTION		
3.	Isat Skenderović, PhD 1; Abdul Adrović, PhD 1; Edina Hajdarević, PhD 1; Alen Bajrić, PhD 1 1 Faculty of Natural Science of University of Tuzla, Tuzla, BOSNIA AND HERZEGOVINA	ZOOBENTHOS OF MACROINVERTEBRATES IN SOME STREAMS OF THE WATER CATCHMENT AREA OF LAKE MODRAC (BOSNIA AND HERZEGOVINA)
4.	Olivera Novitović, PhD 1 ; Zorana Vidić 1; Bojana Šaljić 2 1 Užice, SERBIA, 2 Belgrade Business School, Belgrade, SERBIA	MODEL MOTIVATION
5.	Biljana Milutinović, 1; Mladen Tomić 1; Petar Đekić 1 1 College of Applied Technical Sciences Niš, Niš, SERBIA	COMPARISON BETWEEN ENVIRONMENTAL IMPACT OF WASTE TECHNOLOGY AND ENERGY RECOVERY: CASE STUDY OF CITY OF NIŠ
6.	Milan Milenković, PhD 1; Violeta Babić, PhD 2; Milun Krstić, PhD 2; Jasna Stojanović, MSc 1 1 Geographical Institute "Jovan Cvijić", Serbian Academy of Sciences and Arts, Belgrade, SERBIA 2 Faculty of Forestry, University of Belgrade, Belgrade, SERBIA	PINES IN THE DELIBLATO SANDS: ECOLOGICAL LESSONS
7.	Tamara Popović, Student 1 1 Faculty of Business Studies and Law, University "Union - Nikola Tesla" Belgrade, SERBIA	STEP TOWARDS RENEWABLE ENERGY – WIND FARM CONSTRUCTION

8.	Nemanja Petrović 1; Jasmina Radosavljević 2; Natalija Tošić 1; Ana Vukadinović 2 1 College of Applied Technical Sciences, Niš, SERBIA, 2 Faculty of Occupational Safety, Niš, SERBIA	TYPES AND FEATURES OF GREEN ROOF SUBSTRATES
9.	Miodrag Pantelić 1; Zora Jugović 2; Dragan Golubović 3; Dragan Brajović 3 1 Faculty of Technical Sciences, University of Kragujevac, Čačak SERBIA 2 Health-Sanitary College of Applied Sciences, Belgrade, SERBIA, 3 College of Applied Technical Sciences, Čačak, SERBIA	THE IMPACT OF NATO BOMBING ON THE HEALTH OF THE POPULATION AND THE ENVIRONMENT
10.	Slađana Nedeljković 1; Anica Milošević 1 1 College of Applied Technical Sciences, Niš, SERBIA	HARMONISATION OF REGULATIONS OF REPUBLIC OF SERBIA WITH THOSE OF EU REGARDING WASTE MANAGEMENT IN INDUSTRY
11.	Vidoje Milovanović, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	PREVENTIVE TESTING OF ELECTRICAL INSTALLATIONS AND PROTECTIVE DEVICES OF DIFFERENTIAL CURRENTS
12.	Boban Cvetanović 1 1 College of Applied Technical Sciences, Niš, SERBIA	MUNICIPAL WASTE COLLECTION PLANNING
13.	Branko Savić, PhD 1; Božo Ilić, PhD 1 1 Technical College of Applied Sciences, Novi Sad, SERBIA	POSSIBILITIES OF USING RENEWABLE ENERGY SOURCES AND MUNICIPAL SOLID WASTE FOR THE PURPOSE OF SUSTANABLE DEVELOPMENT
14.	Kristijan Vujičin, MSc 1; Miroslav Vulić, MSc, 1 1 Faculty of Mechanical Engineering, University of Belgrade, Belgrade, SERBIA	THE POSSIBILITY OF USING ALTERNATIVE ENERGY SOURCES FROM THE ASPECT OF ENERGY POTENTIAL AND FINANCING POSSIBILITIES
STUDENT PAPERS		
15.	Kristina Radičević 1; Marija Đorđević 1; Miloš Đokić 2; Tamara Milunović 2 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Business College of Vocational Studies, Leskovac, SERBIA	SERBIAN STUDENTS' PERCEPTION OF GREEK CULTURAL TOURISM
16.	Milena Tomić 1; Ljiljana Trumbulović 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	COMPOSTING
17.	Milena Tomić 1; Ivana Radmilović 1; Darinka Gluščević 1; Ljiljana Trumbulović 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	LANDFILL GAS UTILIZATION FOR ELECTRICITY GENERATION
18.	Ana Krenić 1; Snežana Aksentijević, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	SPECTROPHOTOMETRIC DETERMINATION OF NITROGEN OXIDE IN THE AIR

19.	Milosav Ikonić 1; Milutin Đuričić, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	STOCK EXCHANGE OPERATIONS THROUGH THE EXAMPLE OF THE BANJA LUKA STOCK EXCHANGE
20.	Slađan Milekić1; Milutin Đuričić, PhD 1; Slobodan Petrović, MSc 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	GUCA TRUMPET FESTIVAL AS LEADER OF DRAGACEVO TOURISM GROWTH
21.	Milenka Gardić 1; Milutin Đuričić, PhD 1; Slobodan Petrović, MSc 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	EVENT ORGANIZATION AS A SUCCESS FACTOR IN TOURISM DEVELOPMENT THROUGH THE EXAMPLE OF "PRŠUTIJADA"
22.	Ana Kotlajić 1; Milutin Đuričić, PhD 1; Slobodan Petrović, MSc 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	DEVELOPMENT OF TOURISM IN WESTERN SERBIA TERRITORY
23.	Nela Milošević 1; Milutin Đuričić, PhD 1; Slobodan Petrović, MSc 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	STATE AND PROSPECTS OF RURAL TOURISM DEVELOPMENT IN SERBIA
24.	Ivana Milić1; Milutin Đuričić, PhD 1; Slobodan Petrović, MSc 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	STATE AND PROSPECTS OF SPA TOURISM IN SERBIA
25.	Jelena Mistopoljac 1; Milutin Đuričić, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	MUNICIPAL BUDGET – A SUCCESS FACTOR IN VRNJCI SPA OPERATION
26.	Duško Kuburić 1; Vlasto Stevanetić, MSc 2; Milutin Đuričić, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Public Health Institute Užice, Užice, SERBIA	DETERMINING SUSPENDED MATTER CONCENTRATIONS IN WATER
27.	Marija Bogdanović, BSc 1; Milutin Đuričić, PhD1; Nenad Milutinović, MSc 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	INFLUENCE OF ELECTROMAGNETIC RADIATION ON HUMANS' HEALTH AND QUALITY OF LIFE
28.	Tijana Jakovljević 1; Milutin Đuričić, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	MEASURING MICROWAVE RADIATION EMITTED BY PCS
29.	Vesna Petronijević 1; Milan Đuričić, PhD 1; Milutin Đuričić, PhD 3; Nataša Ćirović, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA, 2 Faculty of Business and Industrial Management Belgrade, Belgrade, SERBIA	EDUCATION AND TRAINING OF EMPLOYEES IN ELECTRICITY DISTRIBUTION COMPANY UŽICE – "EPS"
30.	Vladimir Mirković 1, Milutin Đuričić, PhD 1 1 Business and Technical College of Applied Sciences, Užice, SERBIA	DETERMINING THE INTENSITY OF UV RADIATION AFFECTING OUTDOOR WORKERS

(13:00) Amphitheatre – Closing ceremony
Closing plenary lecture

№	Author(s)	Title of paper
1.	Ivica Veža, Full Professor Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split, University of Split, Croatia	INNOVATIVE SMART ENTERPRISE

14:00 Lunch

PARTICIPATION FEE

Conference participants pay the registration fee in the amount of **RSD 4,000.00 (or EUR 40.00 for international payments), VAT included**. The fee includes: the Opening Reception and admission to all sessions in Drvengrad, Mećavnik, Book of Abstracts on CD, promotional material, Conference Programme, Certificate of Attendance, and refreshments during breaks.

The registration fee for **business organisations** wishing to take part in the conference and present their products, technologies and services is **RSD 10,000.00** (or EUR 100.00 for international payments), VAT included. It will be possible to promote scientific books, technical information, as well as to display promotional material.

The students of the Business and Technical College of Applied Sciences who present their papers are **exempted from the registration fee payment**.

For additional services (dinner and overnight stay with breakfast) the conference participants must pay **RSD 6,000.00 per person** (or EUR 60.00 for international payments), VAT included, into the organizer's account.

MORE INFORMATION

For more information on the conference, please visit the following website:

<http://sed.vpts.edu.rs/>

ABSTRACTS

<http://sed.vpts.edu.rs/CD/index.htm>

NOTES

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Business and Technical College of Applied Sciences

***10th International Scientific Conference
'Science and Higher Education in Function of Sustainable Development'***

SED 2017



***Director of Business and Technical College
of Applied Sciences Užice
and
Chair of Organizing Committee
Ivana Ćirović, PhD***

**Užice
October, 2017**