



Oct 4th

Oct 5th

Oct 6th

IS '17

08:00 09:00	Registration
09:30 10:00	Opening Ceremony
10:00 11:30	Keynote speakers
11:30 12:00	Coffee break
12:00 13:30	PAPER PRESENTATION
13:30 15:00	Cocktail
15:00 17:00	Round table
19:00	Gala dinner

09:30 11:00	Keynote speakers
11:00 11:30	Coffee break
11:30 13:30	PAPER PRESENTATION
13:30 15:00	Lunch
15:00 17:00	PAPER PRESENTATION
17:00 17:30	Coffee break
17:30 19:30	PAPER PRESENTATION

09:00 11:00	PAPER PRESENTATION
11:00 11:30	Coffee break
11:30 13:30	PAPER PRESENTATION
13:30 15:00	Lunch
15:00 17:00	Closing





Oct 4th

Room 1

IS '17

Keynote speakers:	Topic
10:00 – 10:45 Prof. dr Giovanni Mummolo , President of the European Academy for Industrial Management, Politecnico di Bari, Italy	"New Academic – Industry Higher Level Education Models for Industrial Engineering and Management: Towards the Foundation of a University – Industry European Graduate School"
10:45 – 11:30 Mario Rodrigues , University of Aveiro, Portugal	"Smart ecosystems in industry and services: an illustration of their potential"

Round table	Topic
15:00 – 17:00 Prof. dr Michelle Stack , The University of British Columbia, Canada	"On University Rankings"



Oct 4th

Room 1

Session chair: *Przulj dr Djordje*
Session: Information Management and Communication Systems

12:00 12:15	X-Solver: Virtualization of Value Stream Management (VSM) to optimize complex value networks	Ahmed Khouja, Meysam Minoufekar and Peter Plapper
12:15 12:30	Blockchain technology in e-health: The case of electronic prescriptions in Germany	Juergen Seitz and Nilmini Wickramasinghe
12:30 12:45	Improving the Dyehouse Production Process by QR Code Application as Poka Yoka	Marinko Copic, Milovan Lazarevic, Dragan Dragicevic, Nemanja Sremcevic and Gordana Ostojic
12:45 13:00	Multi-criteria solution software for managing risks in production SME's	Hrvoje Puskaric, Marija Zahar Djordjevic, Snezana Nestic and Miladin Stefanovic
13:00 13:15	Deep Learning Driven Plates Recognition System	Marko Arsenovic, Srdjan Sladojevic, Andras Anderla and Darko Stefanovic
13:15 13:30	Serbian ePayment Shared Component for Reuse in eGovernment Services	Aleksandar Ivic, Stojan Ivanisevic, Teodora Lolic, Darko Stefanovic and Djordje Obradovic



Oct 4th

Room 2

Session chair *Ostojic dr Gordana:*
Session: Mechatronics Robotics and Automation

12:00 12:15	Case studies – reducing consumption of compressed air in casings food industry	Jovan Sulc, Brajan Bajci, Dragan Seslija and Slobodan Dudic
12:15 12:30	Using a Remotely Controlled Automated Device for Measuring Linear Dimensions in Teaching Activities in Secondary Vocational Schools	Brajan Bajci, Vule Reljic, Ivana Milenkovic, Jovan Sulc and Predrag Vidicki
12:30 12:45	Implementation of IoT for food wastage minimisation	Gordana Ostojic, Stevan Stankovski, Srdjan Tegeltija, Nikola Djukic and Branislav Tejic
12:45 13:00	A model for indoor product localization based on the Internet of Things	Ivana Senk, Laslo Tarjan, Dragana Oros, Stevan Stankovski and Gordana Ostojic
13:00 13:15	Failsafe behaviour of basic pneumatic systems	Vule Reljic, Ivana Milenkovic, Dragan Seslija and Slobodan Dudic
13:15 13:30	Increasing the efficiency of creating prototype devices, using the open-source hardware, software and NFC tag reader and bluetooth	Ivan Cobanic



Oct 4th

Room 3

Session chair: *Horvat dr Djerdj*
Session: *Engineering Management*

12:00 12:15	Implementation of Sales Force Effectiveness (SFE) Strategy in Banks Business Operations	Milisav Vujcic, Tamara Bojanic and Ana Simeunovic
12:15 12:30	Recognizing the need for Controlling in the Public Sector	Biljana Veselinovic and Veselin Perovic
12:30 12:45	Dynamic Optimization of the Investment Portfolio in the Contemporary Business Conditions	Vladimir Djakovic, Nebojsa Ralevic and Natasa Glisovic
12:45 13:00	Cyber-Physical Manufacturing	Vidosav Majstorovic, Julija Kostic, Slavenko Stojadinovic and Srdjan Zivkovic
13:00 13:15	Logistics controlling as support in managing service companies	Dalibor Jelcic, Ranko Bojanic and Veselin Perovic
13:15 13:30	Photorealistic computer animation: skipping the "uncanny valley" phenomenon	Maja S. Vukadinovic



Oct 5th

Room 1

IS '17

Keynote speakers:	Topic
<p data-bbox="426 725 620 753">09:30– 10:15</p> <p data-bbox="162 765 884 833">Prof. dr Peter Plapper, University of Luxembourg, Luxembourg</p>	<p data-bbox="1029 725 1566 793">"Opportunities of Industrie 4.0 flexible manufacturing"</p>
<p data-bbox="426 1043 620 1072">10:15 – 11:00</p> <p data-bbox="146 1083 900 1115">Prof. dr Gursel Suer, Ohio University, United States</p>	<p data-bbox="954 1043 1638 1152">"A Hierarchical Approach for a Global Manufacturing Firm: from Operational Decisions to Layered Global Supply Chain Design Issues "</p>



Oct 5th

Room 1

Session chair: Gračanin dr Danijela
Session: Engineering Management

11:30 11:45	A Generic Hierarchical Simulation Model to Improve Distribution Center Operations	Mandvi Malik and Dusan Sormaz
11:45 12:00	Assessing the donor programmes' impact – locating efficient instruments in the Republic of Macedonia	Bojan Jovanovski, Valentina Gecevska, Radmil Polenakovik, Ivana Stankovska and Trajce Velkovski
12:00 12:15	The Impact of Micro Finance Institutions on micro and small enterprises- necessity of adequate legal frame	Sonja Buncic
12:15 12:30	Improving the process of managing by accelerating financial reporting through the implementation of fast closing process	Jelena Demko Rihter, Emil Zivkov and Branislav Nerandzic
12:30 12:45	Aspects of the Engineering Design Process	Milan Rackov, Sinisa Kuzmanovic, Maja Cavic, Marko Pencic, Ivan Knezevic and Lozica Ivanovic
12:45 13:00	Agent Based Modeling and Simulations in Manufacturing Planning	Dusan Sormaz



Oct 5th

Room 2

Session chair: *Delic dr Milan*
Session: Quality Effectiveness and Logistics

11:30 11:45	Reinventing work study for lean manufacturing	Dragoslav Slovic and Ivan Tomasevic
11:45 12:00	Use of alternative fuels in the cement industry	Amna Bajtarevic and Fuad Hadzikadunic
12:00 12:15	Most used lean tools in hospitals and clinical laboratories.	Majed Alkher, Ivan Beker, Velibor Cabarkapa and Dragoljub Sevic
12:15 12:30	Influence of integrated management system on quality management performance	Srdjan Vulcanovic, Milan Delic, Ivan Beker, Bato Kamberovic and Sonja Cerepnalkovska
12:30 12:45	Using cost-based mathematical model and principle 80/20 to improve decision making for risk priority at FMEA	Nikola Banduka, Ivica Veza, Bozenko Bilic, Ivan Macuzic and Miroslav Radojicic
12:45 13:00	Reverse logistics implementation barriers in organizations on the territory of AP Vojvodina	Nebojsa Brkljac, Stevan Milisavljevic, Milan Delic, Ivan Beker and Dragoljub Sevic
13:00 13:15	Procedure for KPI design	Ivan Beker, Sonja Cerepnalkovska, Dragoljub Sevic and Bato Kamberovic





Oct 5th

Room 3

Session chair: Tasic Nemanja
Session: Belt & Road Initiative (BRI)

11:30 11:45	Selecting Key Performance Indicators in Universities - Academic perspective	Nemanja Tasic, Milan Delic, Rado Maksimovic, Bojan Lalic and Maja Cukusic
11:45 12:00	BRI and "16+1" Challenges for Poland and CEEC	Patrycja Pendrakowska
12:00 12:15	E-commerce as a model of entrepreneurship	Jelena Raut, Slavica Mitrovic and Boban Melovic
12:15 12:30	Is it Possible to Use Belt One Road Initiative as a Platform for Cooperation between Chinese and Serbian Small and Middle Enterprises?	Djuradj Grubisic
12:30 12:45	The Possible Choices of EU-China Cooperation under BRI	Miaoyan Li
12:45 13:00	Opportunities and challenges for Norwegian shipping industry and its companies within Belt and Road Initiative	Martine Arvesen, Nikola Zivlak and David Warner



Oct 5th

Room 1

Session chair: Vidicki dr Predrag
Session: Engineering Management

15:00 15:15	Controlling of non profit organizations	Veselin Perovic, Aleksandra Todorovic - Dudic, Ranko Bojanic, Branislav Nerandzic, Biljana Veselinovic and Svjetlana Loncarevic
15:15 15:30	Flood Risk Damage Assessment	Tanja Novakovic, Jovana Bondzic, Djordje Cosic, Srdjan Popov and Miroslav Miskic
15:30 15:45	Possible GREXIT on Serbian banking market	Danka Zizin and Sandra Stajner
15:45 16:00	Idea management and innovation activities in Serbian companies	Predrag Vidicki and Petar Vrgovic
16:00 16:15	Research impact of financial reporting on the efficiency in corporate governance	Biljana Milanovic and Mirjana Jovisic
16:15 16:30	Students internship: Career planning based on competences	Ivana Katic, Bojan Lalic, Branislav Bogojevic and Bojana Jokanovic
16:30 16:45	Organizational conflict resolution	Bojana Jokanovic, Ivana Tomic and Ljubica Dudjak



Oct 5th

Room 2

Session chair: Rakic-Skokovic Marija
Session: Engineering Management

15:00 15:15	Energy analysis of waste management system „Ponikve eko otok Krk“	Josipa Bartulovic
15:15 15:30	Benchmarking analysis of the Facebook usage among higher education institutions	Darija Medvecki, Jelena Stankovic and Nenad Simeunovic
15:30 15:45	Consumption Analysis for Water Shortage Risk Estimation	Ljiljana Popovic, Djordje Cosic, Nenad Medic and Tanja Novakovic
15:45 16:00	Virtual reality and the "uncanny valley" phenomenon: the students' assessments of creepiness, distortedness, ugliness and humanlikeness in animated faces	Maja S. Vukadinovic, Biljana Ratkovic Njegovan and Iva Beleslin
16:00 16:15	Mitigation model in the initiation phase of energy projects	Mario Djakovic, Milos Jovanovic and Nela Cvetkovic
16:15 16:30	Visibility of Serbian State Universities on The Internet and Social Media	Natasa Stevic, Dunja Vujcic and Danijela Lalic
16:30 16:45	Agile project management beyond software industry	Danijela Ciric and Danijela Gracanin





Oct 5th

Room 3

Session chair: *Ristic dr Sonja*

Session: Information Management and Communication Systems

15:00 15:15	Development of Business Intelligence systems to predict Behaviour Patterns of Students	Slobodan Petrovic, Darko Stefanovic, Teodora Lolic and Milan Mirkovic
15:15 15:30	From the Decomposition Algorithm to the Model Driven Transformations in Database Design	Angelina Vujanovic, Slavica Kordic, Ivan Lukovic, Milan Celikovic and Jovana Vidakovic
15:30 15:45	The role of CAD systems in field of medicine	Dunja Sekulic, Andras Anderla and Dusanka Dakic
15:45 16:00	A Comparison of Contemporary Data Mining Tools	Dusanka Dakic, Darko Stefanovic, Srdjan Sladojevic, Marko Arsenovic and Teodora Lolic
16:00 16:15	On the Problem of Software Project Management Tools Coexistence and Migration	Dajana Narandzic, Vladimir Mandic, Marija Rakic-Skokovic and Sonja Ristic
16:15 16:30	Trends and Challenges in Brownfield Revitalization: A GIS Based Approach	Jelena Ignjatic, Bojana Nikolic, Aleksandar Rikalovic



Oct 5th

Room 1

Session chair: *Mandic dr Vladimir*

Session: Information Management and Communication Systems

17:30 17:45	System for automatic creation of equivalent task variations in the student tests	Milana Novkovic and Srdjan Sladojevic
17:45 18:00	IoT based system for monitoing food products	Branislav Tejic, Nikola Djukic, Srdjan Tegeltija, Gordana Ostojic and Stevan Stankovski
18:00 18:15	Do the microservices improve the agility of software development teams?	Branislav Misic, Milana Novkovic, Robert Ramac and Vladimir Mandic
18:15 18:30	Mutual Impact of High Computer Network Utilization and Business Processes	Miroslav Stefanovic, Djordje Przulj, Milos Vukmanovic and Sonja Ristic
18:30 18:45	Guidelines for Overcoming Some IOT Security Issues	Marija Rakic-Skokovic
18:45 19:00	Lessons learned from a partial replication of an experiment in the context of a software engineering course	Robert Ramac, Itir Karac, Burak Turhan, Natalia Juristo and Vladimir Mandic



Oct 5th

Room 2

Session chair: Lazarevic dr Milovan
Session: Production Systems

17:30 17:45	Use of Kalman Filter for Job Shop Scheduling Problem	Robert Ojstersek, Hankun Zhang and Borut Buchmeister
17:45 18:00	Efficient pellet plant for various types of biomas	Boris Zezelj
18:00 18:15	Development and testing of Arduino-based Relative Humidity and Dry Bulb Temperature data logger	Milovan Medojevic, Andrija Stojanovic, Milovan Lazarevic, Ilija Cosic and Nemanja Sremcev
18:15 18:30	Visibility of Industry 4.0 on social networks	Branislav Stevanov, Nikola Suzic, Danijela Gracanin and Zdravko Tesic
18:30 18:45	Analysis of order release rules and implementation in a PPC simulation module	Bojan Jovanoski, Robert Minovski and Valentina Gecevska
18:45 19:00	Structural Equation Modeling of Organizational Systems	Vesna Spasojevic Brkic and Zorica Veljkovic
19:00 19:15	System Dynamics Modelling of the European Demand for Bio-based Plastics - An Analysis of Scaling and Learning Effects and Framework Conditions on Price Competitiveness and Market Growth	Djerdj Horvat and Sven Wydra
19:15 19:30	In Business of Additive Manufacturing	Nikola Suzic, Svetlana Suzic and Cipriano Forza
19:30 19:45	Simulation and modeling of a hydraulic system in FluidSim	Marko Orosnjak, Mitar Jocanovic and Velibor Karanovic





Oct 6th

Room 1

Session chair: Tegeltija Srdjan
Session: Mechatronics Robotics and Automation

09:00 09:15	Application of speed and separation monitoring method in human-robot collaboration: industrial case study	Sahar Heydaryan, Giovanni Belingardi and Paolo Chiabert
09:15 09:30	Case studies – reducing consumption of compressed air in casings food industry	Brajan Bajci
09:30 09:45	Application of Digital Sliding Modes to Synchronization of the Work of Two Pneumatic Rodless Cylinders	Vladislav Blagojevic, Sasa Randjelovic and Sasa Milanovic
09:45 10:00	Using a Remotely Controlled Automated Device for Measuring Linear Dimensions in Teaching Activities in Secondary Vocational Schools	Jovan Sulc
10:00 10:15	Integrating virtual reality into robotic systems	Juraj Kováč and Juraj Sebo
10:15 10:30	Social Humanoid Robot SARA: Dynamic Analysis of the Arm	Marko Pencic, Maja Cavic, Branislav Borovac and Milan Rackov
10:30 10:45	Towards a Plug-and-Play Architecture in Industry 4.0	Milan Pisaric, Vladimir Dimitrieski, Milan Babic, Stefan Veselinovic and Filip Dusic
10:45 11:00	Design and Simulation of Hydraulic Excavator Manipulator System	Belma Babovic, Almir Osmanovic and Bahrudin Saric





Oct 6th

Room 2

Session chair: Borocki dr Jelena
Session: Engineering Management

09:00 09:15	Insurance companies in financial intermediation	Miroslav Miskic and Vladimir Njegomir
09:15 09:30	Analysis of market and competition in the digital world on the example of one higher education institution	Slavko Rakic, Djordje Celic and Jelena Stankovic
09:30 09:45	Financial controlling in insurance companies	Tilija Timotic
09:45 10:00	Reactivity and flexibility in companies crisis management efficiency and effectiveness	Mladen Pecujlija, Krsto Jaksic and Ilija Cosic
10:00 10:15	Evaluation of innovative activities and capacity of SMEs in emerging markets: example from Republic of Serbia	Jelena Borocki, Mirjana Cvijic and Aleksandar Vekic
10:15 10:30	Servitisation in Manufacturing Firms in Developing Country	Nela Cvetkovic, Milan Delic, Ugljesa Marjanovic, Nemanja Tasic, Bojan Lalic and Slobodan Moraca
10:30 10:45	Marketing in Insurance: The Importance of proper management of claims	Vladimir Njegomir and Milan Cosic
10:45 11:00	The role of institutions in supporting startup companies	Aleksandar Vekic and Jelena Borocki



Oct 6th

Room 3

Session chair: *Vulanovic dr Srdjan*
Session: Quality Effectiveness and Logistics

09:00 09:15	Analysis of Lubrication oil contamination by fuel dilution with application of Cluster analysis	James Wakiru, Liliane Pintelon, Peter Muchiri and Peter Chemweno
09:15 09:30	Integrating SMEs into value networks: Benefits and limitations	Angela Fajsi and Slobodan Moraca
09:30 09:45	Supplier evaluation criteria: ahp rough approach	Zeljko Stevic, Ilija Tanackov, Marko Vasiljevic and Aleksandar Rikalovic
09:45 10:00	Impact of standards iso 9001: 2008 at improving and improving operating fund pio rs	Mladen Milic
10:00 10:15	Integrating lean principles into new product development projects	Radul Milutinovic, Biljana Stosic and Ivan Tomasevic
10:15 10:30	The importance of an adequate organizational management system in modern business conditions	Slavica Mitrovic, Stevan Milisavljevic, Nebojsa Brkljac, Vijoleta Vrhovac and Marina Zizakov
10:30 10:45	Measurement system analysis in production process	Biserka Runje, Andrej Razumic and Amalija Horvatic Novak
10:45 11:00	Multi-Criteria Decision Making Methods: Comparative Analysis of PROMETHEE and VIKOR	Nenad Medic and Zoran Anisic





Oct 6th

Room 1

Session chair: Ristic dr Sonja
Session: Production Systems

11:30 11:45	Customer focus as the basic principle of a pull production system	Svetomir Simonovic
11:45 12:00	Machine Duplication and Technology Considerations in Layered Cellular Manufacturing Systems	Gursel Suer and Jue Jiang
12:00 12:15	A RULA-Based Optimization Model for Workers' Assignment to an Assembly Line	Salvatore Digiesi, Francesco Facchini, Giovanni Mummolo and Giorgio Mossa
12:15 12:30	The Impact of LEAN Tools On Cost-based Efficiency: Evidence from the Transnational Economy	Dragan Blazic, Milan Delic, Nela Cvetkovic, Vijoleta Vrhovac and Tamara Pekovic
12:30 12:45	The impact of Lean Six sigma tools on organizational performance: A Literature review	Milan Delic, Dragan Blazic and Tamara Pekovic
12:45 13:00	Production Flow Analysis in Textile Production	Stefan Rankov, Ilija Cosic, Dusan Sormaz, Milovan Lazarevic and Nemanja Sremcevic



Oct 6th

Room 2

Session chair: Radisic dr Mladen
Session: Engineering Management

11:30 11:45	Compensations and their impact within SMEs	Mladen Radisic, Sanja Todorovic and Milan Mirkovic
11:45 12:00	Clickbait titles: risky formula for attracting readers and advertisers	Iva Beleslin, Maja S. Vukadinovic and Biljana Ratkovic Njegovan
12:00 12:15	Systematic solution for accurate deployment of students to available internship positions implemented at FTS-DIEM	Bojan Lalic, Branislav Bogojevic, Ivana Katic, Andrea Katic and Darija Medvecki
12:15 12:30	The importance of distributive justice on ethical climate in organizations in Serbia	Srecko Stamenkovic, Dragan Nikolic, Biljana Ratkovic Njegovan, Maja Vukadinovic and Irena Canic
12:30 12:45	The capability-theory of firm confronts the processes of widespread financialization	Alpar Losonc, Andrea Ivanisevic and Sandra Stajner
12:45 13:00	Industrial systems from crisis to development	Zdravko Bijelic, Biljana Milanovic and Mirjana Jovisic
13:00 13:15	Integrated cost management product development an important factor of competitiveness	Biljana Milanovic and Zdravko Bijelic

