

October 7-9, 2020

	Wednesd	ay, october 1, 2020
Wednesday 09:00 - 10:00	Opening ceremony, Welcome Address	I-16 (First floor) (University Rectorate)
<b>Bojan Lalić</b> General Chair	Tribute lecture to founder of School Management and founder of the c Academician Dragutin Zelenović	/ / / / - //
<b>Iztok Palčić</b> Keynote Speaker	Industry 4.0 Readiness Index	

Wednesday 10:15 - 11:45	Production Systems I Session chair: Aleksandar Rikalović	I-16 (First floor) (University Rectorate)
<b>Lozica Ivanović</b> , Blaža Stojanović, Milan Rackov, Marko Penčić, Maja Čavić, Slavica Miladinović	Design and Development of Medical De	evices
<b>Bojana Bajić</b> , Nikola Suzić, Nenad Simeunović, Slobodan Morača, Aleksandar Rikalović	Towards Real-time Data Analytics Appl	ication for Industry 4.0
<b>Đerđ Horvat</b> , Uglješa Marjanović, Marko Pavlović, Slavko Rakić	The Path towards Industry 4.0: Methoding Industry	dology for Serbian Manufactur-
Darko Čapko, Slavica Medić, <b>Nedeljko Stojaković</b> , Tatjana Grbić	Optimization of the number of active servers and break schedule: A case study	
<b>Tanja Todorović</b> , Nenad Medić, Zoran Anišić, Nemanja Tasić, Danijela Ćirić, Bojan Lalić	Industry 4.0 enablers: Implementation a support for technological improvementation manufacturing companies	, , , , ,

Wednesday 10:15 - 11:45	Engineering Municustinent	l-16 (First floor) (University Rectorate)
<b>Bojana Sokolović</b> , Ivana Katić, Andrea Ivanišević, Alpar Lošonc	Creating organizational sustainability — oriei capabilities	nted innovative
Alpar Lošonc, <b>Andrea Ivanišević</b> , Mladen Radišić, Ivana Katić	Collective aspects of capability-based innova	ting firm
<b>Bojan Jovanovski</b> , Radmil Polenakovikj, Ivana Stankovska, Trajče Velkovski, Bojan Jovanoski	Innovativeness of micro and small enterprise drivers different?	s – Are their innovation
<b>Jelena Raut</b> , Slavica Mitrović Veljković, Boban Melović, Eda Ribarić Čučković, Đorđe Ćelić	Analysis of the influential elements of the en	trepreneurial ecosystem
<b>Petar Vrgović</b> , Branislav Stevanov, Predrag Vidiciki	Responsible research and innovation in Indus an overview and implications for companies work for and with society	•

Wednesday 12:00 - 13:30	Information Management I-16 (First floor) and Communication Systems I (University Rectorate) Session chair: Sonja Ristić
Rogério Dionísio, Teodora Lolić, Pedro Torres	Radio Interference Analysis of Industrial Wireless Networks: from Legacy Systems to New Standards
<b>Danilo Nikolić</b> , Dušanka Dakić, Aleksandra Kolak, Dajana Narandžić, Anja Janković	Integration of game-based software tools into higher education
Darko Stefanovic, <b>Sara Havzi</b> , Ivana Spasojevic, Teodora Lolić, Sonja Ristic	Software Tools to Support Visualising Systematic Literature Review
<b>Julija Švonja</b> , Sara Havzi, Ivana Spasojević	E-learning Platforms in Higher Education — An Overview of Leading Software and Evidence from University of Novi Sad
<b>Teodora Lolić</b> , Rogerio Dionisio, Darko Stefanović, Dušanka Dakić, Sara Havzi	Learning Environment Digital Transformation: Systematic Literature Review
Miroslav Stefanović, Đorđe Pržulj, Sonja Ristić	Overview of Application of Blockchain Technology in e-Government
Robert Ramač, <b>Nebojša Taušan</b> , Sávio Freire, Nicolli Rios, Manoel Mendonça, Rodrigo Spinola, Vladimir Mandić	Technical Debt Payment Practices and Rationales Behind Payment Avoidance in the Serbian IT Industry
Wednesday 12:00 - 13:30	Engineering Management II Session chair: Nenad Simeunović  I-16 (First floor) (University Rectorate)
Benjamin Dorn, <b>Julian Germani</b> , Michael Geywitz, Manuel Remlinger, Felix Schuessler, Juergen Seitz	Analysis of the Prediction Quality of Technology Developments based on Gartner Hype Cycles for Emerging Technologies
<b>Boris Agarski</b> , Đorđe Vukelić, Milana Ilić Mićunović, Igor Budak	Evaluation of Impacts on Worker from Fixture Production with Life Cycle Assessment
Francesco Facchini, Salvatore Digiesi, <b>Andrea Lucchese</b> , Giovanni Mummolo	A Model for the evaluation of the information processing rate of smart operators
Christoph Szedlak, Holger Reinemann, Bert Leyendecker	Deduction of Digital Transformation Strategies from Maturity Models
<b>Milena Rajić</b> , Rado Maksimović, Peđa Milosavljević, Dragan Pavlović	Energy Flow Model in Industrial Environment
<b>Gorana Milinčić Stančić</b> , Đorđe Ćosić, Ljiljana Popović, Tanja Novaković	The influence of COVID 19 pandemic on cogeneration biogas plant operation - Business impact analysis

A Novel 2 DOFs Eyebrows Mechanism for Expressing Non-verbal

The role of logistic controlling in process performance measurement

Wednesday **Mechatronics**, Robotics I-16 (First floor) (University Rectorate) 14:30 - 16:00 and Automation Session chair: Slobodan Dudić Vule Reljić, Želimir Trišić, Improving the Reliability of Pneumatic Control Systems by Using Remotely-controlled One-Way Flow Control Valve Dragan Šešlija, **Ivana Milenković** Vule Reljić, Petar Knežević, Improving the Energy Efficiency of Pneumatic Control Systems by Dragan Šešlija, Slobodan Dudić **Using Remotely-controlled Pressure Regulator** Srđan Tegeltija, Gordana Ostojić, **Ivana Šenk**, IoT-based delivery system in state of emergency Laslo Tarjan, Stevan Stankovski Nataša Radaković, Ivana Šenk Deep Autoencoder Based Leakage Detection in Water Distribution **SCADA Systems** Dimitar Chakarov, Ivanka Veneva, A pneumatically driven exoskeleton for upper limb rehabilitation: Pavel Venev, Georgi Katsarov, Mihail Tsveov design and experiments

Marko Penčić, **Maja Čavić**, Dijana Čavić, Milan Rackov,

Zhenli Lu, Marko Orošnjak, Velibor Karanović

Ranko Bojanić, **Dalibor Jeličić**, Veselin Perović,

Branislav Nerandžić

**Engineering Management III** I-16 (First floor) 14:30 - 16:00 Session chair: Mladen Radišić (University Rectorate) Miroslav Ferenčak, Dušan Dobromirov, Mladen Radišić Illiquid markets during the COVID – 19: Blessing or a Curse? Marko Vuković, Đorđe Ćosić Impact of coronavirus COVID-19 crisis on insurance industry of Serbia Srđan Janković Bank controlling in Montenegro: effects of the pandemic crisis on the Montenegrin economy, banking sector and the profitability of banks Veselin Perović, Bogdan Kuzmanović, Ranko Bojanić, The role of controlling in risk reduction in integrated reporting Ivana Popović, Dalibor Jeličić Jelena Demko-Rihter, Jelena Tadić, **Denis Kušter** Analysis of Critical Profitability Factors of Serbian Information and **Communication Sector** 

in industrial systems

**Robot Communication** 

**Ana Nešić**, Ivana Katić

Wednesday		
16:15 - 17:45	Quality, Effectiveness and Logistics Session chair: Nebojša Brkljač	I-16 (First floor) (University Rectorate)
<b>Stana Vasić</b> , Marina Žižakov, Milan Delić, Dusko Čučković, Ilija Ćosić	Quality management and innovation per A short literature review	formance:
Nebojša Brkljač, Dragoljub Šević, Stevan Milisavljević, Marina Žižakov, <b>Stana Vasić</b>	Applying the Concepts of Circular Econom Chains within the Industry 4.0 - Literature	
<b>Christoph Szedlak</b> , Marcus Branke, Jane Worlitz, Bert Leyendecker, Ralf Woll	The Impact of Digitalization on Quality Ma Systems: New Challenges and Opportunit	_
<b>Marko Pavlović</b> , Nenad Medić, Jelena Ćulibrk, Bojan Lalić	Effect of ISO 14001 on adoption of green t economies	echnologies in emerging
Oliver Schmiedbauer, Hans Thomas Maier, <b>Florian Kaiser</b> , Hubert Biedermann	Maintenance- and Strategic Physical Asse Morphologies of two Connate Concepts	t Management:
<b>Trajče Velkovski</b> , Jasmina Chaloska, Vladimir Mučenski, Bojan Jovanoski, Bojan Jovanovski	Identification of safety indicators in the manufacturing industry in Republic of North Macedonia	
Vijoleta Vrhovac, <b>Goran Vujasinović</b> , Stevan Milisavljević, Nebojša Brkljač, Slavica Mitrović	Challenges in the functioning of supply chepidemic caused by Covid 19 virus	nains in the context of the
Wednesday 16:15 - 17:45	Engineering Management IV Session chair: Jelena Demko Rihter	I-16 (First floor) (University Rectorate)
Aleksandar Vekić, Jelena Borocki, Kristina Đorđić, <b>Olivera Cikota</b>	European Startup Ecosystem as a Star of E	conomic Development
<b>Aleksandar Vekić</b> , Jelena Femić, Milica Tišma, Marko Vrška	Startup opportunities in south-east Europe region	
<b>Vladimir Đaković</b> , Mirjana Sujić Stamenić, Nebojša Ralević, Slobodan Radišić, Jozef Kabok	Foreign Direct Investment and Investment Environment: A Systematic Approach	
Aleksandra Pavlović, <b>Milica Njegovan</b> , Andrea Ivanišević, Mladen Radišić, Alpar Lošonc	Foreign Direct Investments in Serbian power sector: A discussion on investments and impact on economic growth	
Zhigang Zhang, Yang Xu	Evolution of a complex system and construction of International Ecosystem for Innovation and Entrepreneurship under the background of BRI	
Đurađ Grubišić	The Role of Chinese Investments in Centra within BRI	al and Eastern Europe
A N WY I W W		

Trust in the modern organization: Success factor in open innovation

Thursday 09:00 - 10:30	Production Systems II Session chair: Milovan Lazarević	I-16 (First floor) (University Rectorate)
<b>Bojan Jovanoski</b> , Robert Minovski, Marjan Todorov Trajče Velkovski, Bojan Jovanovski	Integration of value stream mapping & discrete event simulation: A case study from Lean	
<b>Ivona Jovanović</b> , Ivan Tomašević, Dragana Stojanović, Barbara Simeunović, Dragoslav Slović	Lean approach to lead time reduction in A case study	n MTO manufacturing:
<b>Ivan Tomašević</b> , Dragana Stojanović, Barbara Simeunović, Ivona Jovanović, Dragoslav Slović	The Outcomes of Lean Implementation industry – Literature Review	in High-Mix/Low-Volume
<b>Andrea Lucchese</b> , Antonella Marino, Giorgio Mossa, Giovanni Mummolo	Evaluation of the complexity of cognitive-oriented tasks in planned maintenance procedures	
Milenko Sekulić, Vlastimir Pejić, Marin Gostimirović, <b>Dragan Rodić</b> , Anđelko Aleksić	Optimization of cutting parameters for surface roughness in the basend milling process using genetic algorithm  Shaping the Future of Serbia's Economy and Manufacturing: Indust 4.0 and Related Issues	
Vidosav Majstorović, <b>Dragan Đuričin</b> , Radivoje Mitrović		
Thursday 09:00 - 10:30	Engineering Management V Session chair: Andrea Ivanišević	I-16 (First floor) (University Rectorate)
<b>Jelena Milićević</b> , Nemanja Sremčev, Ilija Ćosić, Milovan Lazarević, Jovan Mandić	Online university education and technology of traditional education	ologies in support
<b>Jelena Ćurčić</b> , Anja Jakšić, Ksenija Mitrović, Jelena Spajić, Branislav Bogojević	Distance learning in higher education o	luring the COVID-19 pandemic
Julija Švonja	The validity of adopting the Knowledge Management Strategy as a development policy of the University of Novi Sad	
Ljubica Duđak, Leposava Grubić Nešić, <b>Bojana Jokanović</b>	Individual and organizational knowledge as the main levers of business in the knowledge economy	
Tatjana Savić-Šikoparija, Ljubica Duđak,  Tamara Bojanić	The impact of the type of education on attitudes regards corporate responsibility towards employees	

Thursday 10:45 - 12:15	Engineering Management VI Session chair: Danijela Gračanin	I-16 (First floor) (University Rectorate)
<b>Bojana Milić</b> , Jelena Spajić, Dunja Bošković, Danijela Lalić	Social Media Advertising During the Pandemic: Online Retailers in Serbia	
Iva Šiđanin, <b>Milica Njegovan</b>	The power of media message in advertising of medical preparations	
Biljana Ratković Njegovan, <b>Sonja Bunčić</b> , Iva Šiđanin	Media and sport: mutual benefit	
Ljubica Duđak, <b>Marija Pantelić</b> , Tatjana Savić-Šikoparija	Characteristics of organizational culture t	hat supports CSR
Nikola Zivlak, Shiyuan Zhang, Yueqi Shi	Digital Marketing in China - Weibo and Fa	n Economy
Martin Riester, Fazel Ansari, Michael Foerster, Kurt Matyas	A Procedural Model for Utilizing Case-Base Management	ed Reasoning in After-Sales
<b>Aljoša Aleksić</b> , Milan Delić, Nemanja Tasić, Bojan Lalić	Predicting customer changes in mass cust construction industry	omised
Thursday 10:45 - 12:15	Information Management and Communication Systems II Session chair: Milan Mirković	I-16 (First floor) (University Rectorate)
Marko Arsenović, Srđan Sladojević, <b>Katarina Gavrilov</b> , Andraš Anderla, Miroslava Sladojević	Application of deep learning for automate using ECG signals	ed arrhythmia detection
Marko Arsenović, Srđan Sladojević, <b>Stefan Orčić</b> , Andraš Anderla, Miroslava Sladojević	Detection of COVID-19 cases by utilizing deep learning algorithms or CT images	
Andrea Gutai, Dunja Sekulić, Ivana Spasojević	Metal Artefact Reduction from CT images using Matlab	
<b>Nikola Luburić</b> , Goran Sladić, Milan Stojkov, Nikola Dalčeković	Scaling the Security Development Lifecycle: From Startup IoT to Smart City Solutions	
<b>Uglješa Marjanović</b> , Davide Taibi, Pedro Cabral, Laimute Urbsiene, Agim Kasaj, Susana Marques	Digital transformation missing ingredients: Data Literacy	
Manuel Leon-Urrutia, Davide Taibi, Vera Pospelova, Sergio Splendore, Laimute Urbsiene, <b>Uglješa Marjanović</b>	Data Literacy: An essential skill for the industry	
<b>Nikola Dalčeković</b> , Goran Sladić, Nikola Luburić, Milan Stojkov	Automating multidimensional security co industry 4.0	mpliance for cloud-based
Thursday 12:15 - 12:45	Keynote Lecture	

#### Prof. Dr. Feng Gengzhong

Dean of the School of Management Xi'an Jiaotong University **Keynote Speaker** 

Future of management science and industrial engineering

Thursday 13:30 - 15:00	Engineering Management VII Session chair: Branislav Stevanov  I-16 (First floor) (University Rectorate)	
Danijela Ćirić, <b>Marijana Topo</b> , Danijela Gračanin, Angela Fajsi, Miroslav Vujičić	Project Management skill set challenges in Industry 4.0	
<b>Angela Fajsi</b> , Slobodan Morača, Marko Milosavljević	Project management challenges in implementing agile methods in manufacturing SMEs	
<b>Mirjana Jokanović</b> , Obrad Spaić, Aleksandra Koprivica	The influence of the project mature organization factors on the agile transformation	
<b>Danijela Ćirić</b> , Milan Delić, Nenad Medić, Tanja Todorović, Jelena Ćurčić	Exploring the relationship between project management risks and market conditions	
<b>Tamara Bojanić</b> , Branislav Nerandžić, Branislav Stevanov, Danijela Gračanin	Fundamentals of the Integrated Business Risk Management Model in Business Processes	
Marko Gudelj, Sanja Cvijanović, <b>Marina Žižakov</b> , Zdravko Tešić, Bogdan Kuzmanovic	Business process management improvement and a new model for performance management	
Anja Janković, <b>Federico Adrodegari</b> , Nicola Saccani, Nenad Simeunović	Reshaping big data management for servitization: a new framework for industrial companies	
Thursday 13:30 - 15:00	Information Management and I-16 (First floor) Communication Systems III (University Rectorate) Session chair: Andraš Anderla	
<b>Miroslav Zarić</b> , Željko Vuković, Darko Jocić, Teodora Mitrović	Process Driven Information System and Smart City Technologies Opportunities for Computer Aided Dispatch for Fire Service	
<b>Kornelije Rabuzin</b> , Nikola Modrušan, Snježana Križanić, Robert Kelemen	Process Mining in Public Procurement in Croatia	
Marko Bojkic, Đorđe Pržulj, Miroslav Stefanović	Possible application of service-oriented architecture in domain of land administration system	
<b>Igor Kalin</b> , Milan Mirković, Aleksandra Kolak	Fake news detection on social networks — a brief overview of methods and approaches	
<b>Aleksandra Kolak</b> , Milan Mirković, Danilo Nikolić, Igor Kalin	Multimodal techniques and methods in affective computing — a brief overview	
Darko Stefanović, <b>Dušanka Dakić</b> , Aleksandar Ivić	Business Process Management and E-government Systems	
<b>Andrej Katin</b> , Valentina Lenarduzzi, Davide Taibi, Vladimir Mandić	On the Technical Debt Prioritization and Cost Estimation with SonarQube tool	

Thursday I-16 (First floor) (University Rectorate) **Closing ceremony** 15:00 - 15:30 Bojan Lalić **Closing Remarks** General Chair