

22nd International Scientific Conference

October 6th - 7th 2022
Osijek (Croatia)



Organized and hosted by:



BUSINESS LOGISTICS in Modern Management

Conference Program at Faculty of Economics in Osijek, Croatia

Thursday - October 6, 2022

ROOM 1

9:00 – 9:15	OPENING OF INTERNATIONAL SCIENTIFIC CONFERENCE
9:15 – 10:00	MSc Ivana Jakir-Bajo, Vicegovernor for Currency Area at Croatian National Bank, Zagreb Lecture: Logistics Challenges of National Currency Changeover
10:00 – 10:15	COFFEE BREAK



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10:15 – 12:00 CONFERENCE SESSION

SESSION 1 – SUPPLY CHAIN RESILIENCE AND COOPERATION – LOGISTICS AND SUPPLY CHAIN THEORY ANALYSIS

Session chair: **Katija Vojvodić** (University of Dubrovnik, Croatia)

BOARD ROOM	Judit Nagy and Zsófia Jámbor (Corvinus University of Budapest, Hungary) Resilience of food supply chains – a dynamic capability approach
	Tomasz Jałowiec, Dariusz Grala and Piotr Maśloch (War Studies University, Poland) Development of military-civilian logistics cooperation
	Dušan Repík and Pavel Foltin (University of Defence, Czech Republic) Applications of performance indicators for optimization of humanitarian chains
	Matija Kovačić, Maja Mutavdžija, Krešimir Buntak and Jovana Nikolić (University North, Croatia; University of Kragujevac, Serbia) Cyber risk management in the supply chain
	Judit Nagy and Pavel Foltin (Corvinus University of Budapest, Hungary; University of Defence, Czech Republic) Increase supply chain resilience by applying early warning signals within big-data analysis
	Stephan L.K. Freichel, Pia Rütten and Johannes K. Wörtge (University of Applied Sciences Cologne, Germany) Challenges of supply chain visibility in distribution logistics – a literature review
	Anastasia Efimova (Tomas Bata University in Zlin, Czech Republic) A bibliometric research of the simulation usage in logistics
Noémi Piricz (Óbuda University, Hungary) A review of prosumers' behaviours in smart grids and importance of smart grid management	

12:00 – 12:15 COFFEE BREAK



12:15 – 14:00 CONFERENCE SESSION

SESSION 2 – SUSTAINABILITY AND REGIONAL SUPPLY CHAINS – SUPPLY CHAIN AND LOGISTICS DIGITALIZATION

Session chair: Adam Kolinski (Poznan School of Logistics, Lukasiewicz Research Network – Poznan Institute of Technology, Poland)

BOARD ROOM	Drago Pupavac (Polytechnic of Rijeka, Croatia) Sustainable supply chains modelling
	Davor Mance, Borna Debelić and Siniša Vilke (University of Rijeka, Croatia) Drivers of regional supply chains
	Diána Strommer and Péter Földesi (Széchenyi István University, Hungary) Bullwhip effect evaluation with indicators in use
	Nataša Kovačić, Tomislav Car and Ljubica Pilepić Stifanich (University of Rijeka, Croatia) Transport behaviour, perceived experience and smart technology usage of tourist destination visitors
	Milena Kajba, Maja Rosi, Vojko Potočan and Borut Jereb (University of Maribor, Slovenia) Conceptual model for quality assessment of digital competencies in higher education systems – a case study of the research process
	Piotr Nowak, Malgorzata Kirchner and Adam Koliński (Lukasiewicz Research Network - Poznan Institute of Technology; Poland) Analysis of digitalisation needs improving the supply chain efficiency for new silk road transport corridor
	Norina Szander and Péter Bajor (KTI; Dunaújváros University of Applied Sciences, Hungary) Possible strategies and benefits of inland waterway transport digitalization in Hungary
	Marta Waldmann and Karolina Kolinska (Lukasiewicz Research Network - Poznan Institute of Technology; Poznan School of Logistics, Poland) Data digitisation in transport processes
Marta Cudzilo and Adam Kolinski (Lukasiewicz Research Network - Poznan Institute of Technology; Poznan School of Logistics, Poland) Digitalization model of information and documents flows in goods movement processes in supply chains - determinants of implementation and measurement efficiency	

14:00 – Lunch at Faculty of Economics in Osijek, room TBA

15:00 – Gathering in front of Faculty of Economics in Osijek (bus station)

- Visit to Tikveš castle and to Belje wine cellar

- Dinner for all participants at restaurant Josić



Friday - October 7, 2022

9:30 – 09:45 Presentation of Erasmus+ project: *Virtual Visiting Professors - VIRTUALS* (prof. Davor Dujak, Faculty of Economics in Osijek, Croatia)

10:00 – 11:30 CONFERENCE SESSION

SESSION 3 – DISTRIBUTION LOGISTICS ANALYSIS

Session chair: **Jelena Franjković** (University of Osijek, Croatia)

BOARD ROOM

Igor Grofelnik, Uroš Godnov and Marjan Sternad (University of Maribor; University of Primorska, Slovenia)

Drone last mile delivery: an assessment of the viable market and security potential of drone delivery

Radojko Lukić and Blaženka Hadrović Zekić (University of Belgrade, Serbia; University of Osijek, Croatia)

Efficiency analysis of trade companies in Serbia using the ARAS method

Krzysztof Muszyński and Maciej Niemir (Lukasiewicz Research Network - Poznan Institute of Technology, Poland)

Searching for AI solutions to improve the quality of master data affecting consumer safety

Blaženka Knežević, Miroslav Mandić and Antonija Lipovac (University of Zagreb; Profil Klett, Croatia)

The role of supplier satisfaction survey in building partnerships

Orsolya Diófási-Kovács and Anna Freund (Corvinus University of Budapest, Hungary)

Exploring the relationship between sustainable public catering and short supply chains - developing and presenting a supply chain mapping methodology through a Hungarian case study

Dijana Vuković, Ana Globočnik Žunac and Anica Hunjet (University North, Croatia)

Challenges of category management in online sales management

11:30 – 11:45 COFFEE BREAK



11:45 – 12:45 CONFERENCE SESSION

SESSION 4 – EFFICIENCY AND COORDINATION IN SUPPLY CHAIN

Session chair: **Davor Dujak** (University of Osijek, Croatia)

BOARD ROOM	Slobodan Aćimović and Nenad Stajić (University of Belgrade, Serbia) Startups - business models for enhancing supply chain 4.0
	Borut Jereb, Milena Kajba, Bojan Rosi and Maja Rosi (University of Maribor, Slovenia) The usage of indicators for city services and quality of life defined by ISO 37120 in Supply Chains
	Marjan Sternad and Igor Grofelnik (University of Maribor, Slovenia) Comparison of the performance of railways based on DEA analysis
	Ivana Martinčević, Vesna Sesar and Mario Sertić (University North, Croatia) Dupont indicator system as a support in the management of logistics companies
	Diána Strommer, Norina Szander and Peter Földesi (Széchenyi István University; KTI Institute for Transport Sciences Non-profit Ltd., Hungary) Visualisation of the bullwhip effect phenomenon applying quality management tools

12:45 – 13:00 CONFERENCE CLOSURE

