

# LOGIC 2019 - Preliminary conference program

Thursday, 23<sup>th</sup> May 2019

**09<sup>00</sup>-10<sup>00</sup> Registration**

**10<sup>00</sup>-11<sup>15</sup> OPENING CEREMONY (Room 128)**

- **Welcome addresses**
  - Dean of Faculty of Transport and Traffic Engineering, University of Belgrade
  - Head of LOGIC 2019 Program Committee
  - Ministry of Construction, Transport and Infrastructure, Republic of Serbia
  - Partner companies' representatives
- **Plenary session talk**
  - RESPONSIBLE PRODUCTION LIFE CYCLE, LOGISTICS AND BIG DATA: JOURNEY FROM SINGLE INNOVATIONS TO SCALABLE SOLUTIONS  
Prof.dr Esa Hämäläinen, Director Brahea Centre, University of Turku (Finland)

**11<sup>15</sup>-12<sup>00</sup> Welcome reception (Coffee Room)**

**12<sup>00</sup>-13<sup>30</sup> PARALLEL SESSIONS**

- **Optimization and modeling in logistics and transportation - PART I**

*Chair:*

- FORECASTING FUTURE TRENDS IN FREIGHT TRANSPORT IN SLOVENIA UNTIL THE YEAR 2030  
Dejan Dragan, Vlado Popović, Abolfazl Keshavarz, Borut Jereb, Tomaž Kramberger
- MODELING ALLOCATION OF HIVES  
Juraj Pekár, Marian Reiff, Ivan Brezina
- BENEFITS FROM COOPERATION BEHAVIOUR IN VEHICLE ROUTING PROBLEM  
Zuzana Čičková, Dana Figurová
- A TWO-STAGE APPROACH BASED ON DEA FOR DESIGNING EFFICIENT MATERIAL HANDLING SYSTEMS  
Amar Oukil
- A FUZZY-AHP APPROACH TO EVALUATE THE CRITERIA OF THIRD-PARTY LOGISTICS SERVICE (3PL) PROVIDERS  
Stefan Jovčić, Petr Průša, Josef Samson, Dragan Lazarević

**13<sup>30</sup>-13<sup>50</sup> Coffee break (Coffee Room)**

**13<sup>50</sup>-15<sup>20</sup> PARALLEL SESSIONS**

- **Logistics concepts and strategies - PART I**

*Chair:*

- COMPETENCE REQUIREMENTS FOR LOGISTICS MANAGERS IN SERBIA: A LONGITUDINAL ASSESSMENT  
Biljana Cvetić, Dragan Vasiljević, Miloš Danilović, Nemanja Milenković
- SPATIAL COMPETITION WITH REGULATORY INTERVENTION  
Zuzana Čičková, Allan Jose Sequeira Lopez

- MODELING A HUMANITARIAN LOGISTICS INFORMATION SYSTEM'S PROCESSES AND INFORMATION NEEDS  
Dimitris Folinias, Dimitris Aidonis, Charis Achillas
- ECONOMIC IMPACTS OF SECA REGULATION ON MARITIME COMPANIES IN THE BALTIC SEA REGION – LITERATURE REVIEW AND LOW EMISSIONS RECOMMENDATIONS: PART 1  
Esa Hämäläinen, Tommi Inkinen
- ECONOMIC IMPACTS OF SECA REGULATION ON MARITIME COMPANIES IN THE BALTIC SEA REGION – LITERATURE REVIEW AND LOW EMISSIONS RECOMMENDATIONS: PART 2  
Esa Hämäläinen, Tommi Inkinen

**15<sup>20</sup>-15<sup>40</sup> Coffee break (Coffee Room)**

**15<sup>40</sup>-17<sup>10</sup> PARALLEL SESSIONS**

**• Intermodal transport and logistics terminals**

*Chair:*

- INITIATIVES AND ACTIVITIES FOR THE DEVELOPMENT OF INTERMODAL FREIGHT TRANSPORT IN SLOVENIA  
Marina Zanne, Bojan Beškovnik
- LOGISTICS CHARACTERISTICS OF GOODS AND CONTAINERIZATION LEVEL  
Marinko Maslarić, Svetlana Nikoličić, Sanja Bojić, Borna Debelić, Siniša Vilke
- THE INFLUENCE OF CHINA TO THE CONTAINER MARKET IN EUROPE  
Elen Twrdy, Milan Batista
- ELEMENTS FOR DEFINING THE INTERMODAL TERMINALS STRUCTURE  
Mladen Krstić, Snežana Tadić, Slobodan Zečević
- MODELING THE STRUCTURE OF THE LOGISTICS CENTERS  
Snežana Tadić, Mladen Krstić, Slobodan Zečević

**20<sup>00</sup> - Conference dinner**

**Friday, 24<sup>th</sup> May 2019**

**9<sup>00</sup>-10<sup>00</sup> Registration**

**10<sup>00</sup>-11<sup>30</sup> PARALLEL SESSIONS**

**• Optimization and modeling in logistics and transportation - PART II**

*Chair:*

- AN APPLICATION OF DATA ENVELOPMENT ANALYSIS (DEA) TO MEASURE THE EFFICIENCY OF LEADING CARGO AIRLINES  
Danica Babić, Slavica Dožić, Milica Kalić
- A BI-OBJECTIVE APPROACH FOR DESIGNING END-OF-LIFE LITHIUM-ION BATTERIES LOGISTICS NETWORK  
Branislava Ratković
- A MIQP MODEL FOR SOLVING THE VEHICLE ROUTING PROBLEM WITH DRONES  
Dražen Popović, Milovan Kovač, Nenad Bjelić
- SIMULATION ANALYSIS OF PRIORITY QUEUES STRATEGIES IN

DETERIORATING GOODS SUPPLY

Milorad Vidović, Dragana Drenovac

- APPLICATION OF THE METHODOLOGY FOR CALCULATING CARGO HANDLING TARIFFS AT RIVER PORTS  
Ivana Vukićević Biševac, Nataša Milešić, Katarina Prskalo, Nataša Vidić, Katarina Vukadinović
- FUZZY LOGIC APPLICATION IN GREEN TRANSPORT - PREDICTION OF FREIGHT TRAIN ENERGY CONSUMPTION  
Jovana Čalić, Milica Šelmić, Dragana Macura, Miloš Nikolić

• **Supply chains management and reverse logistics**

*Chair:*

- TOWARDS MORE EFFICIENT LOGISTIC SOLUTIONS: SUPPLY CHAIN ANALYTICS  
Svetlana Nikoličić, Marinko Maslarić, Dejan Mirčetić, Alin Emanuel Artene
- INFLUENCE OF PRODUCT AND BUSINESS ENVIRONMENT CHARACTERISTICS ON MANAGING SUPPLY CHAIN VULNERABILITY  
Jelena V. Vlajic, Jack G.A.J. van der Vorst, Dragan Djurdjevic
- END-OF-LIFE VEHICLE MANAGEMENT: A SURVEY OF LOGISTICS NETWORK DESIGN MODELS  
Vladimir Simić, Branka Dimitrijević
- CONCEPT AND TECHNIQUES OF SUPPLY CHAIN FINANCE  
Jelica Petrović Vujačić, Marko Miljković
- WALKABILITY AND USABILITY OF STREET AFTER RECONSTRUCTION - POTENTIALS FOR REVERSE LOGISTICS  
Svetlana Čičević, Magdalena Dragović, Slobodan Mitrović
- OPTIMIZATION METHODS AND HEURISTICS AND THEIR ROLE IN SUPPLY CHAINS AND LOGISTICS  
Dejan Dragan, Tomaž Kramberger, Vlado Popović

• **Students' sessions and workshops**

*Chair:*

11<sup>30</sup>-11<sup>50</sup> **Coffee break (Coffee Room)**

11<sup>50</sup>-13<sup>20</sup> **PARALLEL SESSIONS**

• **Warehousing and information technologies in logistics**

*Chair:*

- SELECTION OF TECHNOLOGY FOR PICKING PIECE  
Dragan Đurđević, Momčilo Miljuš
- BIG DATA ANALYTICS IN LOGISTICS  
Slađana Janković, Milorad Kilibarda, Ana Uzelac
- FOG COMPUTING IN LOGISTICS SYSTEMS  
Branka Mikavica, Aleksandra Kostić-Ljubisavljević
- THE CONCEPT OF LOGISTICS 4.0  
Gordana Radivojević, Luka Milosavljević
- LOGISTICS INDUSTRY 4.0: CHALLENGES AND OPPORTUNITIES  
Vladimir Ilin, Dragan Simić, Nenad Saulić

• **Logistics concepts and strategies - PART II**

*Chair:*

- FREIGHT FORWARDING INDUSTRY - THE CONTEMPORARY ROLE AND DEVELOPMENT TRENDS IN SERBIA

Đurđica Stojanović, Marko Veličković

- HUMAN RESOURCES IN LOGISTICS AND SUPPLY CHAINS: CURRENT STATE AND TRENDS  
Milorad Kilibarda, Vukašin Pajić, Milan Andrejić
- COST OF QUALITY IN DISTRIBUTION LOGISTICS  
Vukašin Pajić, Milorad Kilibarda
- BARRIERS TO IMPLEMENTATION OF AUTOMATED COMMERCIAL VEHICLES IN GOODS DISTRIBUTION  
Marko Stokić, Vladimir Momčilović, Davor Vujanović
- CROWD LOGISTICS - A NEW CONCEPT IN REALIZATION OF LOGISTICS SERVICES  
Milena Jeremić, Milan Andrejić

• **Students' sessions and workshops**

*Chair:*

**Saturday, 25<sup>th</sup> May 2019**

**10<sup>00</sup> - Conference excursion**