

LOGIC 2013 - Conference program

Thursday, 28th November 2013

08³⁰-09³⁰ **Registration**

09³⁰-11⁰⁰ **OPENING CEREMONY**

- **Welcome addresses (Large amphitheatre 125)**

- Dean of Faculty of Transport and Traffic Engineering, University of Belgrade
- Chair of LOGIC 2013 Program Committee
- Ministry of Education, Science and Technical Development, Republic of Serbia
- Ministry of Transport, Republic of Serbia
- Milšped d.o.o., General sponsor of LOGIC 2013

- **Keynote speeches (Large amphitheatre 125)**

- Keynote 1: TRANSPORTATION PLANNING WITH THE OBJECTIVE OF REDUCING CO₂ - EMISSIONS, **prof. Herbert Kopfer**, University of Bremen
- Keynote 2: GREEN SUPPLY CHAIN MANAGEMENT, **prof. Eleftherios Iakovou**, Aristotle University of Thessaloniki

11⁰⁰-12⁰⁰ **Welcome reception**

12⁰⁰-13³⁰ **PARALLEL SESSIONS**

- **Optimization and modelling in logistics and transportation *PART I* (ROOM A)**

Chair: prof. Dušan Teodorovi

- A METAHEURISTIC ALGORITHM FOR THE ANTI COVERING LOCATION PROBLEM, Branka Dimitrijević, Milica Šelmić, Dušan Teodorović, Vladimir Simić
- FINDING LOCATIONS OF DISTRIBUTION CENTRES WITH TIME WINDOW RESTRICTED CUSTOMER REQUESTS, Karlo Bala, Dejan Brčanov, Nebojša Gvozdenović
- MATHEMATICAL FORMULATION FOR THE CLOSED LOOP INVENTORY ROUTING PROBLEM, Dražen Popović, Milorad Vidović, Nenad Bjelić
- MULTI-TRIP VEHICLE ROUTING WITH ORDER COMPATIBILITIES AND ORDER SCHEDULING, Ulrich Derigs, Markus Pullmann
- OPEN TRAVELING SALESMAN PROBLEM WITH TIME WINDOWS, Zuzana Šiková, Ivan Brezina, Juraj Pekár
- SOLVING THE VEHICLE ROUTING PROBLEM WITH TIME WINDOWS BY BEE COLONY OPTIMIZATION METAHEURISTIC, Miloš Nikolić, Dušan Teodorović, Milica Šelmić

• **Logistics concepts and strategies *PART I* (ROOM B)**

Chair: prof. Ratko Stankovi

- CITY LOGISTICS IN THE MONTENEGRIN COASTAL REGION, Željko Ivanovi , Ljubinka Ivanovi
- DEVELOPMENT PERSPECTIVES OF THE LOGISTIC INDUSTRY IN CROATIA UPON ACCESSION TO THE EUROPEAN UNION, Ratko Stankovi , Mario Šafran, Kristijan Rogi
- FINANCING CITY LOGISTICS SOLUTIONS WITH FOCUS ON BELGRADE, Jelica Petrovi Vuja i , Slobodan Ze evi
- MODAL DISTRIBUTION ANALYSIS OF FREIGHT TRANSPORT IN REPUBLIC OF CROATIA, Petra Zelenkovi , Nikolina Brnjac, Borna Abramovi
- ORGANIZATIONAL ATTITUDE TOWARDS INVESTMENT MANAGEMENT IN LOGISTICS, Borut Jereb, Tina Cvahte, Bojan Rosi
- STATE OF INTERMODAL TRANSPORT IN CROATIA AND SERBIA, Nikolina Brnjac, Snežana Tadi , Mario Kuhari

13³⁰-15⁰⁰ Lunch break

15⁰⁰-16³⁰ PARALLEL SESSIONS

• **Material handling and warehousing (ROOM A)**

Chair: prof. Mom ilo Miljuš

- A TABU SEARCH METAHEURISTIC FOR ASSIGNMENT OF FLOATING CRANES, Dragana Drenovac, Ranko Nedeljkovi
- ADVANTAGES OF E-KANBAN SYSTEM COMPARED TO CLASSIC KANBAN SERVING PRODUCTION LINE, Vasa Svir evi , Dragan Simi , Vladimir Ilin
- CRITERIUM FOR FUNCTION DEFININING OF FINAL TIME SHARING OF THE BASIC CLARK'S FLOW PRECEDENCE DIAGRAMMING (PDM) STRUCTURE, Branko Davidovi , Duško Leti , Aleksandar Jovanovi
- GENETIC ALGORITHM APPROACH FOR SOLVING TRUCK SCHEDULING PROBLEM WITH TIME ROBUSTNESS, Nenad Bjeli , Dražen Popovi , Branislava Ratkovi
- OPTIMISATION OF THE PORT OPERATION SYSTEM WITHIN DP WORLD AUSTRALIA, Mihailo Cvetojevi
- SOME SAFETY ASPECTS OF PALLET RACKS, Dragan ur evi , Mom ilo Miljuš

• **Logistics concepts and strategies *PART II* (ROOM C)**

Chair: prof. Jelica Petrovi Vuja i

- FINANCIAL RISK MANAGEMENT IN GLOBAL LOGISTICS, Jelica Petrovi Vuja i , Snežana Kaplanovi , Bojana Nikoli
- GAINING A COMPETITIVE ADVANTAGE BY INTEGRATION OF MARKETING AND LOGISTICS, Milan Brklja , Jelena Stankovi , Sla ana Gaji
- HOW TO START THE HYDROGEN ECONOMY?, Em ke Ila Baladincz, Péter Földesi, Bojan Rosi, Péter Bajor
- ONE APPROACH TO THE DEVELOPMENT OF MODELS OF LOGISTICS OF TOURISTICS COASTAL REGIONS, Željko Ivanovi
- THE LOGISTICS IN MACEDONIA: STATUS AND TRENDS, Tatjana Mazonkowska-Trajanova

• **Students' papers session (ROOM B)**

Chairs: Snežana Tadi , Branislava Ratkovi

- ABC ANALYSIS IN FUNCTION INCREASE EFFICIENCY OF LOGISTICS PROVIDER, Sanja E imovi , Marko Staniši
- ANALYSIS OF RETURNABLE PACKAGES IN DISTRIBUTION LOGISTICS, Dušica Petrovi , Neda Radovanovi
- ANALYSIS OF RETURNABLE PACKAGES IN DISTRIBUTION LOGISTICS, Miloš Maslovari
- ANALYSIS OF USE OF RETURNABLE PLASTIC PACKAGING IN DISTRIBUTION OF GOODS, Katarina Babi , Ivana Manojlovi
- MONITORING AND CALCULATION OF LOGISTICS COSTS, Marija D. Cvetkovi , Branislav D. Mati
- OBTAINING LOGISTICS DATA AND PARAMETERS SETTING FOR OPTIMIZATION OF VEHICLE ROUTING SOFTWARE, Dušan Joci , Mirko Markovi , Filip Obradovi

16³⁰-17⁰⁰ Coffee break

17⁰⁰-18³⁰ PARALLEL SESSIONS

• **Supply chain management and reverse logistics PART I (ROOM B)**

Chair: prof. Dimitrios Triantafyllou

- APPLYING LEAN THINKING TECHNIQUES IN THE AGRIFOOD SUPPLY CHAIN, Dimitrios Folinias, Dimitris Aidonis, Nick Voulgaraki, Dimitrios Triantafyllou
- COLLABORATION WITH A 4PL PROVIDER FOR THE IMPROVEMENT OF INFORMATION AND INVENTORY FLOWS IN THE TRANSPORTATION PROCESS, Eleni Maria Papadopoulou
- DECONRCM: A WEB-BASED TOOL FOR THE OPTIMAL MANAGEMENT OF WASTE FROM CONSTRUCTION ACTIVITIES, Dimitrios Aidonis, George Baniias, Charisios Achillas, Nicolas Moussiopoulos
- LOGISTIC CENTERS IN SUPPLY CHAINS: A DISTRIBUTION SYSTEMS DESIGN PROBLEM, Sanja Boji , Milosav Georgijevi , Dejan Brčanov
- PACKAGING CHALLENGES AND PROBLEMS IN THE PHARMACEUTICAL COLD CHAIN DISTRIBUTION, Akos Mojzes, Peter Csavajda
- THE SIGNIFICANCE OF EFFICIENT LOGISTICS AND SUPPLY CHAIN MANAGEMENT PRACTICES FOR MACEDONIAN SMALL AND MEDIUM ENTERPRISES, Lidija Pulevska-Ivanovska, Sasho Josimovski, Neda Kaleshovska

• **Tools in logistics training and education (ROOM C)**

Chair: prof. Svetlana i evi

- BEERGAME REFERENCE SCENARIOS FOR BALANCED SCORECARD EVALUATION, HIGHLIGHTING CUSTOMER PERSPECTIVE, Norina Szander, Katarina Lestyanszka Skurkova, Richard Zilahi, Péter Foldesi
- DRP GAME: NEW TOOL TO ENHANCE TEACHING AND LEARNING IN LOGISTICS AND SUPPLY CHAIN MANAGEMENT, Biljana Cveti , Dragan Vasiljevi , Miloš Danilovi
- IMPLEMENTATION OF STATISTICS TOOLS IN THE GRETA MASS PRODUCTION MODELLING ENVIRONMENT, Norina Szander, Lorenzo Ros McDonnell, Csilla Fejes, Katarina Lestyanszka Skurkova
- INTERACTIVE TRAINING AND MODELLING ENVIRONMENT IN WAREHOUSE LOGISTICS, Tamás Bódis, Kata Voroskoi, Laszlo Grünceisz, Krisztina Rozsa Bancso
- MEASUREMENTS WITH TRAFFIC COUNTER IN CITY LOGISTICS, Lorenzo Ros McDonnell, Sabrina Trafela, Gergely Hodosi, Attila Bodis
- THE BENEFITS OF MANUAL MATERIALS HANDLING WEB-BASED EXERCISES, Svetlana i evi , Mikica Neši

• **WORKSHOP 1 - *Logistics providers, freight forwarding, intermodal transportation, logistics centers and city logistics (ROOM A)***

Chairs: prof. Slobodan Ze evi , prof. Milorad Kilibarda

- DEVELOPMENT OF INTERMODAL TRANSPORTATION IN SERBIA, Tatjana Džuverovi - Miljkovi , *Ministry of Transport, Republic of Serbia*
- IMPLEMENTATION OF NCTS IN CUSTOMS SYSTEMS OF SERBIA, Veselin Miloševi , *Ministry of Finance, Republic of Serbia*
- BENEFITS OF TIR I ATA SYSTEMS IN INTERNATIONAL TRANSPORTATION AND TEMPORARY EXPORT/IMPORT, Milica Dubljevi , *Chamber of Commerce and Industry of Serbia*
- PRACTICAL ASPECTS OF SERBIAN TRANSPORTATION AND LOGISTICS POTENTIALS UTILIZATION, Slavoljub Jevti , *Nacionalna asocijacija transport i logistika*
- EXPERIENCE FROM INTERMODAL TRANSPORTATION USAGE, Nebojša eki , *Cargo Partner Beograd*

20⁰⁰ - Conference dinner

Friday, 29th November 2013

09⁰⁰-10⁰⁰ Registration

10⁰⁰-11³⁰ PARALLEL SESSIONS

• **Optimization and modelling in logistics and transportation *PART II* (ROOM A)**

Chair: prof. Milica Kali

- AUTOSTOW FUNCTION IN DPW TERMINALS AS PART OF STANDARDISATION AND OPTIMISATION OF VESSEL AND TERMINAL OPERATIONS, Mihailo Cvetojevi
- CITY LOGISTICS CONCEPTS OF BELGRADE, Snežana Tadi , Slobodan Ze evi , Mladen Krsti
- DETERMINATION NUMBERS OF NODES IN THE POSTAL LOGISTICS NETWORK OF PUBLIC POSTAL OPERATOR, Dragana Šarac, Mom ilo Kuja i , Slaviša Dumni
- THE AIRLINE BOARDING PROBLEM: SIMULATION BASED APPROACH FROM DIFFERENT PLAYERS' PERSPECTIVE, Milica Kali , Bojan Markovi , Jovana Kuljanin
- TIME BETWEEN AIRCRAFT OVERHAULS OPTIMIZATION BY MAXIMIZING FLEET TOTAL FLYING HOURS, Ivan Djoki , Ljubomir Lazi , Aldina Pljaskovi , Aleksandra Pavlovi
- TWO-STAGE AIRLINE FLEET PLANNING MODEL, Slavica Doži , Milica Kali

• **Quality management and performance measures in logistics (ROOM C)**

Chair: prof. Violeta Roso

- ANALYZING THE EFFICIENCY OF DRY BULK CARGO HANDLING AT THE INLAND PORT TERMINAL USING SIMULATION AND DEA, Danijela Pjev evi , Ivana Vladisavljevi , Katarina Vukadinovi
- DRIVERS AND BARRIERS TO INNOVATIVE LOGISTIC PRACTICES, Violeta Roso, Sara Gimeno Piquer, Nutch Teraphongphom, Gunnar Stefansson
- LOGISTICS PERFORMANCE IN POSTAL LOGISTICS CENTERS, Mom ilo Kuja i , Svetlana Nikoli i , Bojan Jovanovi , Dejan Mir eti
- THE SIX SIGMA DMAIC METHODOLOGY IN LOGISTICS, Ana Mijajlevski
- CREATING AND MEASURING LOGISTICS VALUE, Milorad Kilibarda, Milan Andreji , Vlado Popovi
- SURVEY OF CUSTOMERS SATISFACTION: THE EXAMPLE OF FREIGHT DISTRIBUTION CENTER, Miljana Zlatkovi
- THE PROBLEMS OF MEASURING EFFICIENCY IN LOGISTICS, Milan Andreji , Milorad Kilibarda

11³⁰-12⁰⁰ Coffee break

12⁰⁰-13³⁰ PARALLEL SESSIONS

• **Supply chain management and reverse logistics *PART II* (ROOM A)**

Chair: prof. Ivan Brezina

- END-OF-LIFE VEHICLE RECYCLING IN THE REPUBLIC OF SERBIA: INTERVAL LINEAR PROGRAMMING MODEL FOR LONG-TERM PLANNING UNDER UNCERTAINTY, Vladimir Simi , Branka Dimitrijevi
- IMPORTANCE OF EXPLOITATION PARAMETERS RELATED TO RETREAD TIRES OF COMMERCIAL VEHICLES, Svetlana Dabi , Mom ilo Miljuš
- RELATIONSHIP BETWEEN SUPPLY CHAIN STRATEGIES AND TRANSPORT OUSOURCING GOALS - THE RISK PERSPECTIVE, Djurdjica Stojanovi , Vladeta Gaji , Marko Veli kovi
- SETTING UP CENTRALISED DISTRIBUTION, Igor Životi , Ljubica Peši Radovanovi
- THE STEADY STATE PRICE ANALYSIS OF TWO STAGE SUPPLY CHAIN, Ivan Brezina, Juraj Pekár, Marian Reiff

• **Information technologies in logistics (ROOM C)**

Chair: Gorana Šormaz

- ARCHITECTURE OF INTEGRATED GIS AND GPS FOR VEHICLE MONITORING, Adela Crnišanin, Dejan Ran i , Petar Spalevi
- BI APPLICATIONS IN LOGISTICS SYSTEMS, Gordana Radivojevi , Gorana Šormaz, Bratislav Lazi
- FROM TRADITIONAL ICT SOLUTIONS TOWARDS CLOUD COMPUTING IN LOGISTICS, Vladimir Ilin, Dragan Simi
- INFLUENCE OF GPS TECHNOLOGY ON COST CONTROL AND MAINTENANCE OF VEHICLES, Goran Radoi i , Miomir Jovanovi , Lepoje Ili , Aleksandar Obradovi
- THE IMPORTANCE AND CHARACTERISTICS OF LOGISTICS IN ELECTRONIC COMMERCE, Sonja Lekovi , Nikola Mili evi
- THE USE OF ICT IN SUPPORT OF PUBLIC ADMINISTRATION TO THE DEVELOPMENT OF LOGISTICS, Mirjana Kranjac, Uroš Sikimi , or ije Dukljanin, Željko Kranjac

13³⁰-15⁰⁰ Lunch break

15⁰⁰-16³⁰ • WORKSHOP 2 - *Information technologies in logistics, software tools in logistics, warehousing and material handling technologies* (ROOM A)

Chairs: prof. Mom ilo Miljuš, prof. Gordana Radivojevi

- ORDER PICKING AREA DESIGN, RATIONALIZATION AND WMS IMPLEMENTATION, Oliver Jankovi , Dušan Beši , *Milšped d.o.o.*
- NEW STORAGE FACILITIES FOR DEICING PRODUCTS FOR WINTER SERVICE, Željko Maravi , Dejana Jankovi , *JKP "Beograd put"*
- NEW SOLUTIONS IN TELEMATIC SYSTEMS FOR FLEET MANAGEMENT, Milan uki , *CVS Mobile d.o.o.*
- NEW TRENDS IN GENERAL GOODS DISTRIBUTION - CLICK&COLLECT SYSTEM, Bojan Dobrota, *LOGIT d.o.o.*
- ADVANTAGES OF PROFESSIONAL SOFTWARE SOLUTIONS APPLICATION IN SUPPLY CHAIN MANAGEMENT, Nikola Milovanovi , *Veridix d.o.o.*
- SPECIALIZED SOFTWARE SOLUTIONS APPLICATION IN PURCHASING PROCESS, Žarko Koman, *SP Lasta a.d.*

16³⁰-17⁰⁰ Coffee break

17⁰⁰-18³⁰

• **WORKSHOP 3 - Supply chains and reverse logistics, business logistics, retail and purchasing logistics, industrial logistics (ROOM A)**

Chairs: prof. Momilo Miljuš, prof. Milorad Vidovi

- SUPPLIERS' PERFORMANCE MEASUREMENT, Marija Vuj i , *Delhaize Serbia, Bosnia&Herzegovina and Montenegro*
- IMPLEMENTATION OF MRP SOLUTION IN NIS J.S.C., Ana Mijajlevski, *NIS Gazprom Neft*
- EFFECTS OF HIRING LOGISTICS PROVIDER FOR ACTIVITIES IN RETAIL SUPPLY CHAIN, Nebojša Markovi , *Sarantis d.o.o.*
- SUPPLY CHAIN TRANSFORMATIONS DICTATED BY DEMANDS SUDDEN CHANGE, Petar Radovanovi , *Marbo d.o.o.*
- HIDDEN OPTIMIZATION IN DISTRIBUTION, Nenad Dikovi , *MD International d.o.o.*
- PRODUCTION PLANNING - STEPS, LIMITATIONS AND CONDITIONS, Dragan Naguli , *Consulting&Solution d.o.o.*

18³⁰-

Closing ceremony

Saturday, 30th November 2013

08³⁰-

Conference excursion