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 Teodorović
  - 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 Brcanov, 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 Derrigs, Markus Pullmann
  - OPEN TRAVELING SALESMAN PROBLEM WITH TIME WINDOWS, Zuzana Čičková, 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 Stanković*

- CITY LOGISTICS IN THE MONTENEGRIN COASTAL REGION, Željko Ivanović, Ljubinka Ivanović
- DEVELOPMENT PERSPECTIVES OF THE LOGISTIC INDUSTRY IN CROATIA UPON ACCESSION TO THE EUROPEAN UNION, Ratko Stanković, Mario Šafran, Kristijan Rogić
- FINANCING CITY LOGISTICS SOLUTIONS WITH FOCUS ON BELGRADE, Jelica Petrović Vujačić, Slobodan Zečević
- MODAL DISTRIBUTION ANALYSIS OF FREIGHT TRANSPORT IN REPUBLIC OF CROATIA, Petra Zelenković, Nikola Brnjac, Borna Abramović
- ORGANIZATIONAL ATTITUDE TOWARDS INVESTMENT MANAGEMENT IN LOGISTICS, Borut Jereb, Tina Cvaht, Bojan Rosi
- STATE OF INTERMODAL TRANSPORT IN CROATIA AND SERBIA, Nikola Brnjac, Snežana Tadić, Mario Kuharić

**13^00 - 15^00**  Lunch break

**15^00 - 16^30**  PARALLEL SESSIONS

• Material handling and warehousing  (ROOM A)

*Chair: prof. Momčilo Miljuš*

- A TABU SEARCH METAHEURISTIC FOR ASSIGNMENT OF FLOATING CRANES, Dragana Drenovac, Ranko Nedeljković
- ADVANTAGES OF E-KANBAN SYSTEM COMPARED TO CLASSIC KANBAN SERVING PRODUCTION LINE, Vasa Svirčević, Dragan Simić, Vladimir Ilin
- CRITERIUM FOR FUNCTION DEFINING OF FINAL TIME SHARING OF THE BASIC CLARK’S FLOW PRECEDENCE DIAGRAMMING (PDM) STRUCTURE, Branko Davidović, Duško Letic, Aleksandar Jovanović
- GENETIC ALGORITHM APPROACH FOR SOLVING TRUCK SCHEDULING PROBLEM WITH TIME ROBUSTNESS, Nenad Bjelić, Dražen Popović, Branislava Ratković
- OPTIMISATION OF THE PORT OPERATION SYSTEM WITHIN DP WORLD AUSTRALIA, Mihailo Cvetojević
- SOME SAFETY ASPECTS OF PALLET RACKS, Dragan Đurđević, Momčilo Miljuš

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

*Chair: prof. Jelica Petrović Vujačić*

- FINANCIAL RISK MANAGEMENT IN GLOBAL LOGISTICS, Jelica Petrović Vujačić, Snežana Kaplanović, Bojana Nikolić
- GAINING A COMPETITIVE ADVANTAGE BY INTEGRATION OF MARKETING AND LOGISTICS, Milan Brkljača, Jelena Stanković, Sladana Gajić
- HOW TO START THE HYDROGEN ECONOMY?, Emőke Ila Baladincz, Péter Földesi, Bojan Rosi, Péter Bajor
- ONE APPROACH TO THE DEVELOPMENT OF MODELS OF LOGISTICS OF TOURISTIC COASTAL REGIONS, Željko Ivanović
- THE LOGISTICS IN MACEDONIA: STATUS AND TRENDS, Tatjana Mazenkovska-Trajanova
**Students' papers session (ROOM B)**

*Chairs: Snežana Tadić, Branislava Ratković*

- ABC ANALYSIS IN FUNCTION INCREASE EFFICIENCY OF LOGISTICS PROVIDER, Sanja Ećimović, Marko Stanislić
- ANALYSIS OF RETURNABLE PACKAGES IN DISTRIBUTION LOGISTICS, Dušica Petrović, Neda Radovanović
- ANALYSIS OF RETURNABLE PACKAGES IN DISTRIBUTION LOGISTICS, Miloš Maslovarić
- ANALYSIS OF USE OF RETURNABLE PLASTIC PACKAGING IN DISTRIBUTION OF GOODS, Katarina Babić, Ivana Manojlović
- MONITORING AND CALCULATION OF LOGISTICS COSTS, Marija D. Cvetković, Branislav D. Matić
- OBTAINING LOGISTICS DATA AND PARAMETERS SETTING FOR OPTIMIZATION OF VEHICLE ROUTING SOFTWARE, Dušan Jocić, Mirko Marković, Filip Obradović

**Coffee break**

**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 Folinas, Dimitris Aidonis, Nick Vougliarakis, 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 Banias, Charisios Achillas, Nicolas Moussiopoulos
- LOGISTIC CENTERS IN SUPPLY CHAINS: A DISTRIBUTION SYSTEMS DESIGN PROBLEM, Sanja Bojić, Mišošav Georgijević, 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, Lidiija Pulevska-Ivanovska, Sasho Josimovski, Neda Kaleshovska

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

*Chair: prof. Svetlana Čičević*

- 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 Cvetic, Dragan Vasiljević, Miloš Danilović
- 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, Krisztiina 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 Ćičević, Mikica Nešić
• WORKSHOP 1 - Logistics providers, freight forwarding, intermodal transportation, logistics centers and city logistics (ROOM A)

Chairs: prof. Slobodan Zečević, prof. Milorad Kilibarda

- DEVELOPMENT OF INTERMODAL TRANSPORTATION IN SERBIA, Tatjana Džuverović-Miljković, Ministry of Transport, Republic of Serbia
- IMPLEMENTATION OF NCTS IN CUSTOMS SYSTEMS OF SERBIA, Veselin Milošević, Ministry of Finance, Republic of Serbia
- BENEFITS OF TIR I ATA SYSTEMS IN INTERNATIONAL TRANSPORTATION AND TEMPORARY EXPORT/IMPORT, Milica Dubljević, Chamber of Commerce and Industry of Serbia
- PRACTICAL ASPECTS OF SERBIAN TRANSPORTATION AND LOGISTICS POTENTIALS UTILIZATION, Slavoljub Jevtić, Nacionalna asocijacija transport i logistika
- EXPERIENCE FROM INTERMODAL TRANSPORTATION USAGE, Nebojša Đekić, 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 Kalić**
  
  - AUTOSTOW FUNCTION IN DPW TERMINALS AS PART OF STANDARDISATION AND OPTIMISATION OF VESSEL AND TERMINAL OPERATIONS, Mihailo Cvetojević
  - CITY LOGISTICS CONCEPTS OF BELGRADE, Snejana Tadić, Slobodan Zečević, Mladen Krstić
  - DETERMINATION NUMBERS OF NODES IN THE POSTAL LOGISTICS NETWORK OF PUBLIC POSTAL OPERATOR, Dragana Šarac, Momčilo Kujačić, Slaviša Dumnić
  - THE AIRLINE BOARDING PROBLEM: SIMULATION BASED APPROACH FROM DIFFERENT PLAYERS’ PERSPECTIVE, Milica Kalić, Bojan Marković, Jovana Kuljanin
  - TIME BETWEEN AIRCRAFT OVERHAULS OPTIMIZATION BY MAXIMIZING FLEET TOTAL FLYING HOURS, Ivan Djokić, Ljubomir Lazić, Aldina Pljasković, Aleksandra Pavlović
  - TWO-STAGE AIRLINE FLEET PLANNING MODEL, Slavica Dožić, Milica Kalić

- **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 Pjevićević, Ivana Vladisavljević, Katarina Vukadinović
  - DRIVERS AND BARRIERS TO INNOVATIVE LOGISTIC PRACTICES, Violeta Roso, Sara Gimeno Piquer, Nutcha Teraphongphom, Gunnar Stefansson
  - LOGISTICS PERFORMANCE IN POSTAL LOGISTICS CENTERS, Momčilo Kujačić, Svetlana Nikolić, Bojan Jovanović, Dejan Mirčetić
  - THE SIX SIGMA DMAIC METHODOLOGY IN LOGISTICS, Ana Mijajlevski
  - CREATING AND MEASURING LOGISTICS VALUE, Milorad Kilibarda, Milan Andrejić, Vlado Popović
  - SURVEY OF CUSTOMERS SATISFACTION: THE EXAMPLE OF FREIGHT DISTRIBUTION CENTER, Miljana Zlatković
  - THE PROBLEMS OF MEASURING EFFICIENCY IN LOGISTICS, Milan Andrejić, 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 Simić, Branka Dimitrijević
  - IMPORTANCE OF EXPLOITATION PARAMETERS RELATED TO RETREAD TIRES OF COMMERCIAL VEHICLES, Svetlana Dabić, Momčilo Miljuš
  - RELATIONSHIP BETWEEN SUPPLY CHAIN STRATEGIES AND TRANSPORT OUTSOURCING GOALS - THE RISK PERSPECTIVE, Djurdjica Stojanović, Vladeta Gajić, Marko Veličković
  - SETTING UP CENTRALISED DISTRIBUTION, Igor Životić, Ljubica Pešić Radovanović
  - 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 Rančić, Petar Spalević
  - BI APPLICATIONS IN LOGISTICS SYSTEMS, Gordana Radivojević, Gorana Šormaz, Bratislav Lazić
  - FROM TRADITIONAL ICT SOLUTIONS TOWARDS CLOUD COMPUTING IN LOGISTICS, Vladimir Ilin, Dragan Simić
  - INFLUENCE OF GPS TECHNOLOGY ON COST CONTROL AND MAINTENANCE OF VEHICLES, Goran Radoičić, Miomir Jovanović, Lejpo Ilić, Aleksandar Obradović
  - THE IMPORTANCE AND CHARACTERISTICS OF LOGISTICS IN ELECTRONIC COMMERCE, Sonja Leković, Nikola Miščević
  - THE USE OF ICT IN SUPPORT OF PUBLIC ADMINISTRATION TO THE DEVELOPMENT OF LOGISTICS, Mirjana Kranjac, Uroš Sikimić, Đorđije Duškljanin, 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. Momčilo Miljuš, prof. Gordana Radivojević

  - ORDER PICKING AREA DESIGN, RATIONALIZATION AND WMS IMPLEMENTATION, Oliver Janković, Dušan Bešić, Milšped d.o.o.
  - NEW STORAGE FACILITIES FOR DEICING PRODUCTS FOR WINTER SERVICE, Željko Maravić, Dejana Janković, JKP “Beograd put”
  - NEW SOLUTIONS IN TELEMATIC SYSTEMS FOR FLEET MANAGEMENT, Milan Đukić, 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 Milovanović, Veridix d.o.o.
  - ADVANTAGES AND DELUSIONS IN WMS, Alekša Veličković, MD International d.o.o.
  - SPECIALIZED SOFTWARE SOLUTIONS APPLICATION IN PURCHASING PROCESS, Žarko Koman, SP Lasta a.d.

1630-1700 Coffee break
17:00-18:30

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

Chairs: prof. Momčilo Miljuš, prof. Milorad Vidović

- SUPPLIERS’ PERFORMANCE MEASUREMENT, Marija Vujčić, 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 Marković, Sarantis d.o.o.
- SUPPLY CHAIN TRANSFORMATIONS DICTATED BY DEMANDS SUDDEN CHANGE, Petar Radovanović, Marbo d.o.o.
- HIDDEN OPTIMIZATION IN DISTRIBUTION, Nenad Diković, MD International d.o.o.
- PRODUCTION PLANNING - STEPS, LIMITATIONS AND CONDITIONS, Dragan Nagulić, Consulting&Solution d.o.o.

18:30 - Closing ceremony

Saturday, 30th November 2013

08:30 - Conference excursion