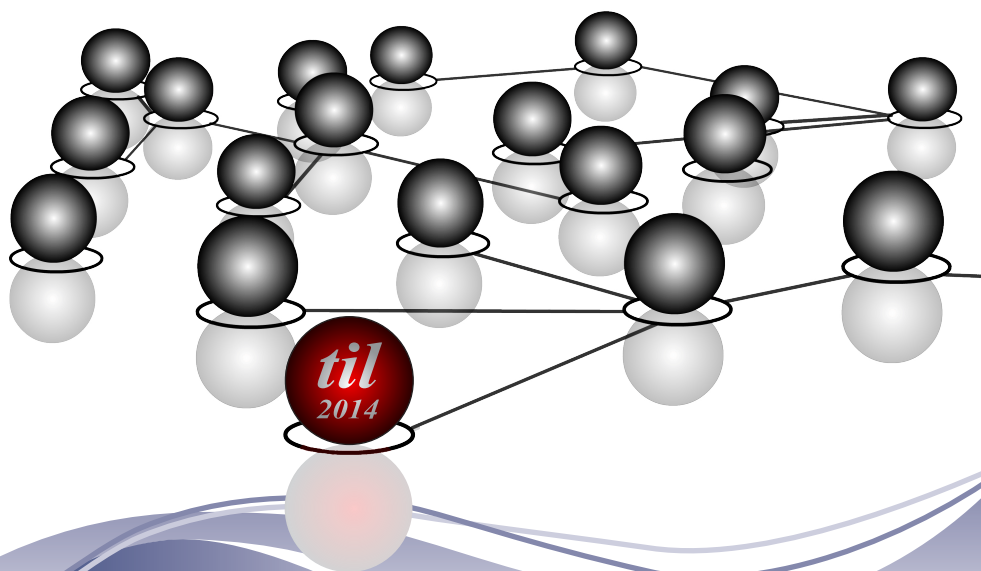


**TRANSPORT & LOGISTICS**

material flow, storage, simulation, SCM, cranes, optimisation, structural analysis, production, logistics, control, warehousing, maintenance, shipping, mobile, machines, transportation, city logistics, vehicle, material handling, transport machines, management, information flow, traffic, safety, control, ergonomics and industrial design, design, organization, supply chain, distribution, E-business, operation, research, VRP, reverse logistics, lean, management, traffic, production, supply, order, AHP, method, reliability, GSM, efficient, project management, goods, GPS, and folw system.



## **UNDER THE AUSPICES OF**

Serbian Ministry of Science and Technological Development

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Vojislav Tomić, assistant researcher, Faculty of Mechanical Engineering Niš

Jovan Pavlović, PhD student, Faculty of Mechanical Engineering Niš

Dejan Žikić, Faculty of Mechanical Engineering Niš

**09.00 - 10.00**

**PARTICIPANT APPLICATION**

*The central hall - Faculty of Mechanical Engineering Niš*

**10.00 - 10.50**

**CONFERENCE OPENING**

*Faculty of Mechanical Engineering Niš, classroom A*

**Welcome address:**

**dr Srđan Verbić**, Minister of Education, Science and Technological Development of the Republic of Serbia  
**Prof. dr Dragan Antić**, Rektor of University of Niš,  
**Prof dr Zoran Perišić**, The Mayor of the city of Niš,  
**Prof. dr Vlastimir Nikolić**, MFN Niš, Official opening of conference TIL - 2014,  
**Prof. dr Janko Jančevski**, Co-organizer, "Ss. Cyril and Methodius" University of Skopje  
**Prof. dr Marin Georgiev**, Co-organizer, Technical University of Sofia,  
**Prof. dr Miomir Jovanović**, MFN Niš, Chairman of the Program committee Conference TIL 2014,  
**Prof. dr Dragoslav Janošević** MFN Niš, Chairman of Organisation Committee TIL 2014.  
Hand of traditional Acknowledgments of Conference TIL 2014.

The opening ceremony of the conference will be followed by the student String Quintet *Leđero* of the Faculty Arts, University of Niš.

**11.00 - 12.15**

**PLENARY SESSION (SESSION-1)**

*Faculty of Mechanical Engineering Niš, classroom A*

*Moderate:* **Prof. dr Milomir Gašić**, MF Kraljevo  
**Prof. dr Miomir Jovanović**, MF Niš

1. TRENDS IN THE TECHNICAL LOGISTICS RESEARCH AND UNIVERSITY EDUCATION, Marin Georgiev Faculty of German Engineering and Industrial Management Technical University of Sofia
2. SOME ADVANCED STRUCTURAL DESIGN SOLUTIONS IN THE FIELD OF TRANSPORTATION, Manfred Zehn, TU Berlin, Department of Structural Analysis, Dragan Marinković, University of Niš, Faculty of Mechanical Engineering, TU Berlin
3. DEVELOPMENT CHRONOLOGY OF THE "TRET" AND "SCREEN CONTACT" METHODOLOGIES, Janko Jančevski, "Ss. Cyril and Methodius" University, Faculty of Mechanical Engineering, Skopje
4. DAHAR EU SEE PROJECT AS AN INCENTIVE TO THE DEVELOPMENT OF LOGISTICS IN THE DANUBE REGION, Milosav Georgijević, Sanja Bojić, University of Novi Sad, Faculty of Technical Sciences

**12.20 - 13.00**

**Cocktail break**

**12.30 - 14.00**

**LOGISTICS (SESSION-2)**

*Faculty of Mechanical Engineering Niš, classroom B*

*Moderate:* **Prof. dr Nada Barac**, EF Niš  
**Doc. dr Goran Petrović**, MF Niš

5. ANALYSIS OF LOGISTICS CHAINS IN DAIRY INDUSTRY, Zoran Marinković, University of Niš, Faculty of Mechanical Engineering, Dragan Marinković, University of Niš, Faculty of Mechanical Engineering, TU Berlin, Goran Marković, University of Kragujevac, Faculty of Mechanical Engineering in Kraljevo, Vojislav Tomić, University of Niš, Faculty of Mechanical Engineering
6. MODERN BUSINESS MODELS OF LOW-COST AIRLINES AS A COMPETITION FACTOR ON THE AIR-TRAFFIC MARKET, Jelena Petrović, Department of Geography, Faculty of Science and Mathematics Nis, Ivana Burazor, Department of Cardiology, Institute for Rehabilitation, Belgrade, Nenad Burazor, Hemofarm, Belgrade

7. THE MODERN TECHNOLOGY PACKAGING AND OPPORTUNITIES FOR ACTIVE PROMOTION OF PRODUCTS, Saša Randelović, Vladislav Blagojević, University of Nis, Faculty of Mechanical Engineering, Dejan Tanikić, Dalibor Đenadić, University of Belgrade, Technical Faculty in Bor

8. APPLICATIONS OF MATRIX-ANALYTIC METHODS AND PHASE-TYPE DISTRIBUTIONS IN STOCHASTIC LOGISTIC PROBLEMS MODELING, Goran Petrović, Danijel Marković, Predrag Milić, Žarko Čojbašić, Miloš Madić, University of Niš, Faculty of Mechanical Engineering

**12.30 - 14.00**

## **TRANSPORTING TECHNIQUE (SESSION-3)**

*Faculty of Mechanical Engineering Niš, Ceremonial Hall*

*Moderate: Prof. dr Dragan Milčić, MF Niš*

**Prof. dr Dragoslav Janošević, MF Niš**

9. OPTIMIZATION OF THE POWERTRAIN MANIPULATOR MECHANISMS WITH HYDROSTATIC DRIVE, Dragoslav Janošević, Jovan Pavlović, Ivan Savić, Saša Marković, University of Niš, Faculty of Mechanical Engineering

10. DYNAMICAL RESPONSE OF STRUCTURES TO MALICIOUS AND RANDOM ACTIONS, Miomir Jovanović, Goran Radoičić, University of Niš, Faculty of Mechanical Engineering

11. SIMPLIFIED LIFE CYCLE ASSESSMENT OF BELT CONVEYOR DRIVE PULLEY, Miloš Dorđević, Faculty of Mechanical Engineering, University of Belgrade, Nenad Zrnić, Faculty of Mechanical Engineering, University of Belgrade, Boris Jerman, Faculty of Mechanical Engineering, University of Ljubljana

12. DEVICE FOR TRANSPORTING OUT OF DIMENSION SHEET METAL WITH TRUCK, Viktor Stojmanovski, Ss Cyril and Methodius University, Faculty of Mechanical Engineering in Skopje

13. INVESTIGATION OF OPERATING TEMPERATURE OF SPUR GEARS USING CVFEM, Janko Jovanović, Nikola Đurišić, Janko D. Jovanović, University of Montenegro Faculty of Mechanical Engineering, Podgorica, Nikola R. Đurišić, Doding, Podgorica

14. SIMULATIONS OF ELEVATOR CABINS LIFTING AND DYNAMIC MODELS, Jovan Vladić, Radomir Đokić, University of Novi Sad, Faculty of Technical Sciences, Vesna Jovanović, University of Niš, Faculty of Mechanical Engineering, Dragan Živanić, University of Novi Sad, Faculty of Technical Sciences

**15.00 - 16.30**

## **LOGISTICS (SESSION-4)**

*Faculty of Mechanical Engineering Niš, classroom B*

*Moderate: Prof. dr Milosav Georgijević, FTN Novi Sad*

**Prof. dr Snežana Pejčić-Tarle, SF Beograd**

15. APPLICATION OF COPRAS METHOD FOR SUPPLIER SELECTION, Miloš Madić, Danijel Marković, Goran Petrović, Miroslav Radovanović, University of Niš, Faculty of Mechanical Engineering

16. A MULTI-CRITERIA DECISION MAKING APPROACH FOR EVALUATING SUSTAINABLE CITY LOGISTICS MEASURES, Tanja Parezanović, Snežana Pejčić Tarle, University of Belgrade, Faculty of Transport and Traffic Engineering, Nikola Petrović, University of Nis, Faculty of Mechanical Engineering

17. CONTRIBUTION TO OPTIMAL CONTAINER FLOW ROUTING BETWEEN FAR EAST AND SERBIA THROUGH SELECTED ADRIATIC PORTS, Radoslav Rajkovic, Nenad Zrnic, University of Belgrade, Faculty of Mechanical Engineering, Đorđe Stakić, University of Belgrade, Faculty of Mathematics



18. AIR POLLUTION FROM TRANSPORT, Milica Jović, Mirjana Laković, Slobodan Mitrović, University of Niš, Faculty of Mechanical Engineering
19. TRANSPORT AND DEPOSITION OF SLAG AND ASH, Mirjana Laković, Slobodan Mitrović, Milica Jović, University of Niš, Faculty of Mechanical Engineering, Dejan Tanikić, Dalibor Đenadić, University of Belgrade, Technical Faculty in Bor

**15.00 - 16.30**

## **TRANSPORTING TECHNIQUE (SESSION-5)**

*Faculty of Mechanical Engineering Niš, Ceremonial Hall*

*Moderate: Prof. dr Dušan Stamenković, MF Niš*

**Prof. dr Jovan Vladić, FTS Novi Sad**

20. SKEWING LOADINGS IN THE SCOPE OF MATERIAL FATIGUE PHENOMENA OF CRANE STRUCTURE AND TRAVELLING MECHANISM COMPONENTS, Rastislav Šostakov, Atila Zelić, Ninoslav Zuber, University of Novi Sad, Faculty of Technical Sciences, Hotimir Ličen, Jr., TRCPro, Petrovaradin
21. UTILIZATION OF AN INTERMITTENT MOTION MECHANISM FOR ENERGY HARVESTING FROM VEHICLE SUSPENSIONS, Milan Pavlović, Vukašin Pavlović, Miša Tomić, Andrija Milojević, Miloš Milošević, University of Niš, Faculty of Mechanical Engineering, Ljubiša Tjupa, ETŠ Mija Stanimirović, Niš
22. SOFTWARE DEVELOPMENT FOR OPTIMAL SYNTHESIS OF SLEWING PLATFORM DRIVE MECHANISM OF MOBILE MACHINE, Vesna Jovanović, Dragoslav Janošević, University of Niš, Faculty of Mechanical Engineering, Radomir Djokić, University of Novi Sad, Faculty of Technical Sciences, Jovan Pavlović, University of Niš, Faculty of Mechanical Engineering.
23. EFFECTS OF USING A SUPPLEMENTARY COMPONENT GENERATED BY A CATALYTIC REACTOR ON THE COMBUSTION OF THE PRIMARY FUEL OF A LOADED DIESEL GENERATOR, Miloš Milošević, Miodrag Milenković, University of Niš, Faculty of Mechanical Engineering, Jovica Pešić, LINEX Pirot, Boban Nikolić, Dušan Stamenković, University of Niš, Faculty of Mechanical Engineering
24. DYNAMIC ANALYSIS OF THE Z-BAR LOADER WORKING MECHANISM, Jovan Pavlović, Dragoslav Janošević, Vesna Jovanović, Predrag Milić, University of Niš, Faculty of Mechanical Engineering
25. STRESS DETERMINATION IN REINFORCED I-SECTION BOTTOM FLANGE OF SINGLE GIRDER CRANE, Milomir Gašić, Mile Savković, Nebojša Zdravković, Goran Marković, Faculty of Mechanical and Civil Engineering Kraljevo, Hajruš Hot, Technical school in Tutin

**16.45 - 18.15**

## **TRAFFIC (SESSION-6)**

*Faculty of Mechanical Engineering Niš, classroom B*

*Moderate: Prof. dr Ljubislav Vasin, MF Niš*

**Prof. dr Janko Jovanović, MF Podgorica**

26. EVALUATION OF EFFICIENCY OF URBAN BUS LINES IN NIŠ, Nikola Petrović, Ljubislav Vasin, University of Niš, Faculty of Mechanical Engineering, Tanja Parezanović, University of Belgrade, Faculty of Transport and Traffic Engineering
27. MULTI-CRITERIA ANALYSIS OF ALTERNATIVE PROPULSION SYSTEMS FOR VEHICLES OF PUBLIC TRANSPORT PASSENGERS IN NIŠ, Nikola Petrović, Dušan Stamenković, University of Niš, Faculty of Mechanical Engineering, Snežana Pejčić Tarle, University of Belgrade, Faculty of Transport and Traffic Engineering, Ljubislav Vasin, Miloš Milošević, University of Niš, Faculty of Mechanical Engineering

28. SCENARIOS ACCIDENTS AND RISK ASSESSMENT MODEL IN THE TRANSPORT OF DANGEROUS GOODS BY RAIL, Suzana Graovac, Tomislav Jovanović, Milan Živanović, Institute „Kirilo Savić“, Belgrade, Serbia
29. AN OPTIMIZATION APPROACH TO THE LOCOMOTIVE SCHEDULING PROBLEM, Nena Tomović, Serbian Railways, University of Belgrade, Department of Infrastructure, Belgrade, Snežana Pejčić- Tarle, Faculty of Transport and Traffic Engineering, Pavle Gladović, University of Novi Sad, Faculty of Technical Sciences
30. LOGISTIC CENTERS: LITERATURE REVIEW AND PAPERS CLASSIFICATION, Dejan Mirčetić, Svetlana Nikoličić, Marinko Maslarić, University of Novi Sad, Faculty of Technical Science
31. SIMULATION OF MATERIAL FLOW IN THE FACTORY ECO-FOOD, Saša Marković, Leo Milošev, University of Niš, Faculty of Mechanical Engineering

**16.45 - 18.15**

**Industrial technology (SESSION-7)**

*Faculty of Mechanical Engineering Niš, Ceremonial Hall*

*Moderate: Prof. dr Zoran Marinković, MF Niš*

**Doc. dr Vladislav Blagojević, MF Niš**

32. GRIPPERS IN MANIPULATION PROCESSES, Vladislav Blagojević, Miodrag Stojiljković, Ivan Marinković, University of Nis, Faculty of Mechanical Engineering
33. TECHNICAL DEVICE SOLUTION FOR KINEMATICS CONTROL OF MINING EXPORT MACHINES, Miodrag Arsić, University of Niš, Electronic Faculty, Miomir Jovanović, Goran Radoičić, Vojislav Tomić, Danijel Marković University of Nis, Faculty of Mechanical Engineering
34. THE APPLICATION OF RFID TECHNOLOGY IN THE TOOLS SUPPLY OF CNC MACHINE, Ivan Marinković, Vladislav Blagojević, University of Nis, Faculty of Mechanical Engineering
35. INVESTIGATION OF INTERNET B2B/B2C MODELS SELECTION OF USED CRANES, Tijana Agović, MSc student, Miomir Jovanović, University of Nis, Faculty of Mechanical Engineering
36. CRITERIA SYSTEM DEFINING IN MULTICRITERIA DECISION MAKING PROBLEM AT TRANSPORT – STORAGE SYSTEM ELEMENTS CHOICE, Goran Marković, Milomir Gašić, Mile Savković, Faculty of Mechanical Engineering and Construction in Kraljevo, University of Kragujevac, Zoran Marinković, Vojislav Tomić, University of Nis, Faculty of Mechanical Engineering
37. SIMULATION OF MATERIAL FLOW IN THE ZONED ORDER PICKING SYSTEMS, Dragan Živanić, Faculty of Technical Sciences, University of Novi Sad, Jovan Vlatić, Faculty of Technical Sciences, University of Novi Sad, Igor Dzinčić, Radomir Đokić, Faculty of Forestry, University of

**19.00**

**Ceremony diner**

*Niš's tavern (On the Tennis court, nearly the river Nišava)*

**09.00 - 10.00**

**REGISTRATION OF PARTICIPANTS / INFORMATION DESK**

*The central hall - Faculty of Mechanical Engineering Niš*

**10.00 - 10.20**

**OFFICIAL OPENING**

*Faculty of Mechanical Engineering Niš, **classroom B***

**prof. Dr Dragoslav Janošević** – President of the Organizing Committee TIL 2014.

**prof. Dr Milosav Georgijević** – President of Serbian Logistics Association

**10.20 - 11.00**

**Presentation of the participants – part 1**

*Faculty of Mechanical Engineering Niš, **classroom B***

INTEGRATED SOLUTION OF INTERNAL TRANSPORT AND STORAGE IN DOBBLEDEEP RACKING SYSTEM, Mladen Popović, Metal Sistemi Plus

THE ADVANTAGES OF PROFESSIONAL SOFTWARE SOLUTIONS IN SUPPLY CHAIN MANAGEMENT, Nikola Milovanović, Veridix



**11.00 - 11.20**

**Coffe break**

**11.20 - 12.20**

**Presentation of the participants – part 2**

*Faculty of Mechanical Engineering Niš, **classroom B***

THE NEW GENERATION OF INDUSTRIAL AND STORAGE PRINTERS, Vuk Vitić, Info kod rešenja

IMPLEMENTATION CHALLENGES OF WAREHOUSE MANAGEMENT SYSTEMS, Bojan Dobrota, LOGIT

AUTOMATED WAREHOUSE – CASE STUDY, David Radić, Gebhardt



**12.20 - 13.00**

**Cocktail break**

**13.00 - 14.10**

**Presentation of the participants – part 3**

*Faculty of Mechanical Engineering Niš, **classroom B***

SYSTEM FOR VEHICLE ROUTING AND WAREHOUSE MANAGEMENT ON EXAMPLES OF A 3PL COMPANY AND REGIONAL RETAIL CHAIN, Siniša Avram, S & T Serbia



VOCOLLECT - PICK BY VOICE SYSTEMS, Nebojša Brković, Alba Tehnologije



AUTOMATED SYSTEMS FOR WAREHOUSE AND PICKING, Hristo Urumov, Storactlog



**14.10 - 14.30****Coffe break****14.30 - 15.30****Presentation of the participants – part 4**  
*Faculty of Mechanical Engineering Niš, classroom B*

**SORTING SYSTEMS OF DISTRIBUTION CENTER FOR PACKET DELIVERY,**  
Miloš Gligorijević, Trasing

**PRESENTATION OF THE COMPANY,**  
Dejan Simić, Recon

**PRESENTATION OF THE COMPANY,**  
Aleksandar Korićanac, Soko Bom

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**15.30 - 16.30****Round table – B2B meetings**  
*Faculty of Mechanical Engineering Niš, classroom B***05-06 June****EXHIBITION**  
*The central hall - Faculty of Mechanical Engineering Niš*

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