



## PRELIMINARY CONFERENCE PROGRAMME (V5)

- This is the draft of final programme and we hope that all of your suggestions to the Organizing Committee were incorporated successfully.
- Each presenter is provided with 10 to 15 minutes for oral presentation and 2 minutes for the discussion or short oral presentation (5 to 7 min) followed by a poster display in the hotel lobby.
- Papers in a single session are arranged by paper ID number. Exact time slot within session will be published in Final programme.

DAY 0 - Wednesday, May 16th	
15:00 - 20:00	REGISTRATION OF PARTICIPANTS
15:00 - 17:00	WORKSHOP & PROJECT MEETING Safety of Transport Infrastructure, HALL D
19:00 - 21:00	A WELCOME COCKTAIL FOR PARTICIPANTS AND GUESTS (Hotel Kolovare Terrace)

DAY 1 - Thursday, May 17th	
Venue - Hotel Kolovare	
7:30 - 8:30	REGISTRATION OF PARTICIPANTS
8:30	Departure to Croatian National theatre Zadar - both walking (15 min) and bus transfer option (5 min bus ride + 5 min walk) will be available
Venue - Croatian National Theatre Zadar (in old town Zadar)	
09:30 - 10:00	OPENING CEREMONY
10:00 - 10:30	KEYNOTE LECTURE: SENSING MECHANISM AND REAL TIME (SMART) COMPUTING FOR GRANULAR MEDIA Prof. Hai Huang, Pennsylvania State University
10:30 - 11:00	COFFEE BREAK
Chairmen	Vesna Dragčević and Tatjana Rukavina
11:00 - 11:30	KEYNOTE LECTURE: INNOVATIVE TRANSPORT INFRASTRUCTURE DEVELOPMENT Dr. Thierry Goger, FEHRL – the Forum of European National Highway Research Laboratories
11:30 - 12:00	KEYNOTE LECTURE: CHALLENGES OF PORT INFRASTRUCTURES AND MULTI MODAL TRANSPORT Egbert van der Wal, Port of Rotterdam
12:00	Departure to Hotel Kolovare - both walking (15 min) and bus transfer option (5 min bus ride + 5 min walk) will be available
Venue - Hotel Kolovare	
12:30 - 14:00	LUNCH BREAK



DAY 1 - Thursday, May 17th			
14:00 - 15:30	1.A TRANSPORT INFRASTRUCTURE - DESIGN, MANAGEMENT, MONITORING AND MAINTENANCE	1.B PAVEMENTS - INNOVATION AND NEW TECHNOLOGY	1.C RAIL INFRASTRUCTURE - MONITORING, MODELLING AND MAINTENANCE
	<p>Chairmen <b>Andrei Zaitsev and Domagoj Damjanović</b></p> <p><b>642</b> THE IMPORTANCE OF GROUND INVESTIGATION FINDINGS IN THE DESIGN FOR OVERHEAD LINE ELECTRIFICATION FOUNDATIONS Saeed Murray, Slobodan Mickovski</p> <p><b>794</b> MODELLING OF TUNNEL LINING DEGRADATION Martin Závacký, Juraj Chalmovský, Jan Štefaňák, Lumír Miča, Petr Bílek</p> <p><b>844</b> MONITORING OF LONG TERM DEFORMATIONS IN BOBOVA TUNNEL Meho Saša Kovačević, Ken Gavin, Irina Stipanović Oslaković, Lovorka Librić</p> <p><b>685</b> STABILIZATION OF CLAYEY SOIL USING GGBF SLAG WITH PORTLAND CEMENT AND HYDRATED LIME Alpa Shah, Ankit Adwani</p> <p><b>949</b> INFLUENCE OF FLY ASH ON THE ENGINEERING PROPERTIES OF SILTY CLAY AND HEAVY LOAM IN SHANGHAI Jili Qu, Da Hu</p> <p><b>896</b> INTERACTION COEFFICIENT FOR RESISTANCE TO FRAGMENTATION BY GOST AND EN TEST RESULTS Julia Koreneva, Julija Shommet</p> <p><b>705</b> BRIDGE SMS - INNOVATIVE SOLUTION FOR MANAGEMENT OF BRIDGES OVER WATER Damir Bekić, Igor Kerin, Paul Cahill, Panagiotis Michalis, John Laphorne, Hrvoje Šolman, Gordon Gilja, Kristina Potočki, Vikram Pakrashi, Eamon McKeogh</p> <p><b>694</b> FIELD TESTING OF FBG BASED DEFORMATION SENSORS EMBEDDED IN CONCRETE BRIDGE STRUCTURE Kristýna Čápková, Lukáš Velebil, Jan Včelák, Jaroslav Demuth</p> <p><b>780</b> NO-CLEARANCE COMPOSITE SUPERSTRUCTURE AND STEEL BRIDGE CONJOINT BEHAVIOUR AS A RESULT OF SPRINGTIME TEMPERATURE CHANGE Nándor Liegner, Helga Papp</p> <p><b>931</b> DESIGN DEVELOPMENT OF 9.759KM LONG SIX LANE EXTRADOSED BRIDGE PROJECT CROSSING RIVER GANGA IN THE STATE OF BIHAR, INDIA P R Vital Veera, Inki Choi, R Kasi Viswanath</p> <p><b>928</b> CASE STUDY: RAIL STRUCTURE INTERACTION OF BRIDGE ACROSS BALRAM RIVER IN THE STATE OF GUJRAT, INDIA Anuj Asati, Vasanth Kumar S, Subir Das</p> <p><b>959</b> THE ANALYSIS OF VIBRATIONS INDUCED BY PEDESTRIAN TRAFFIC AND THE APPLICATION OF DAMPING SYSTEMS ON FOOTBRIDGES Petra Mužić, Anđelko Vlašić</p> <p><b>735</b> POTENTIALS AND ADVANTAGES OF APPLYING GEOGRAPHIC INFORMATION SYSTEMS IN VARIOUS FIELDS OF TRAFFIC ENGINEERING Samir Čaušević, Abidin Deljanin, Muhamed Begović, Emir Deljanin</p>	<p>Chairmen <b>Josipa Domitrović and Sanja Dimter</b></p> <p><b>649</b> ACOUSTICAL AGEING OF LOW NOISE PAVEMENTS EXPRESSED BY DIFFERENT MEASURING TECHNIQUES Audrius Vaitkus, Tadas Andriejauskas, Viktoras Vorobjovas, Ovidijus Šernas, Dovydas Skrodenis</p> <p><b>726</b> PREDICTION OF SHORT-TERM AGING LEVEL BY AGING QUANTITY MODEL USING TIME AND TEMPERATURE OF HOT-MIX ASPHALT Yeongsam Kim, Baeseon Dong, Sungun Kim, Jaewon Jo, Kwang Kim</p> <p><b>785</b> STIFFNESS AND FATIGUE RESISTANCE OF HOT MIX ASPHALT CONTAINING HIGH RATES OF RECLAIMED ASPHALT PAVEMENT Nelson Alvarado Patiño, Juan Martinez, Emile Lopez</p> <p><b>798</b> USABILITY OF HEMP FIBER IN DENSE GRADED HOT MIX ASPHALT MIXTURE Sebnem Karahancer, Ekinhan Eriskin, Kemal Armagan, Nihat Morova, Mehmet Saltan, Serdal Terzi</p> <p><b>831</b> TESTING AND INTERPRETATION OF THE PERMEABILITY OF ASPHALT MIXES Zsuzsanna Igazvölgyi, Zoltán Soós, Csaba Tóth, Réka Nádasi</p> <p><b>859</b> INCREASE OF ASPHALT RECYCLING BY USING PYROLYSIS PRODUCTS OF WASTE TIRES Lidija Ržek, Dušan Klinar, Marjan Tušar</p> <p><b>914</b> MIX DESIGN AND PRELIMINARY VALIDATION OF SUSTAINABLE ASPHALT CONCRETE MANUFACTURED WITH ELECTRIC ARC AND LADLE FURNACE STEEL SLAGS Marta Skaf, Vanesa Ortega-López, Juan Manso, Emiliano Pasquini, Marco Pasetto</p>	<p>Chairmen <b>Janusz Madejski and Otto Plašek</b></p> <p><b>SPL</b> Sponsor lecture - MONTEERRA</p> <p><b>664</b> ASYMMETRICAL EFFECTS ON RAILWAY TURNOUT BEARERS DUE TO WHEELSET IMPACT OVER A CROSSING NOSE Sakdirat Kaewunruen, Keiichi Goto, Chayut Ngamkhanong, Rims Janeliukstis</p> <p><b>676</b> VIBRATION-BASED CONDITION MONITORING OF TRAMWAY TRACK FROM IN SERVICE VEHICLE USING TIME-FREQUENCY PROCESSING TECHNIQUES Péter Bocz, Ákos Vinkó, Zoltán Posgay</p> <p><b>704</b> UNCERTAINTY AND RISK QUANTIFICATION IN RAILWAY MAINTENANCE MODELLING Rick Vandoorne, Petrus Gräbe</p> <p><b>749</b> IMPROVING TRACK CONDITION BY APPLICATION OF QUASI CUMULATIVE DISTRIBUTION FUNCTION (QCDF) Gregory Krug, Janusz Madejski</p> <p><b>770</b> AN INTEGRATED MONITORING SYSTEM FOR CONTINUOUS EVALUATION OF RAILWAY TRACKS FOR EFFICIENT ASSET MANAGEMENT Carlos Manuel Santos, Paulo Morais, André Paixão, Eduardo Fortunato, Francisco Asseiceiro, Paula Alvarenga, Luís Gomes</p> <p><b>970</b> PROPOSAL OF A NEW ANALYTICAL METHOD TO ESTIMATE THE VERTICAL IMPACT FORCES ON RAILWAY TRACKS DUE TO CHANGES IN TRACK PROFILE AND TRACK STIFFNESS Niyazi Özgür Bezin</p>
		<p><b>1.D SAFE-10-T: SAFETY OF TRANSPORT INFRASTRUCTURE ON THE TEN-T NETWORK, H2020 Project</b></p>	
		<p><b>1</b> MONITORING AND MODELLING OF CRITICAL INFRASTRUCTURE Lorcan Connolly</p> <p><b>2</b> MULTI-MODAL NETWORK ANALYSIS Irina Stipanovic</p> <p><b>3</b> GLOBAL SAFETY FRAMEWORK Kenneth Gavin</p> <p><b>4</b> DEMONSTRATION PROJECTS Paul Doherty, Julie Clarke</p>	
15:30 - 16:00	COFFEE BREAK		

DAY 1 - Thursday, May 17th			
16:00 - 17:30	2.A TRANSPORT PLANNING, MODELLING, DESIGN AND SAFETY	2.B GEOTECHNICS	2.C BRIDGES - DESIGN, MANAGEMENT, MONITORING AND MAINTENANCE
	<p>Chairmen <b>Zoran Krakutovski and Borna Abramović</b></p> <p><b>850</b> OPERATIONAL ANALYSIS OF INNOVATIVE ROUNDABOUT LAYOUTS Tânia Mendes, Ana Bastos Silva, António Vasconcelos, Raul Almeida</p> <p><b>889</b> THE IMPACT OF SELECTED ROAD AND TRAFFIC FEATURES ON TRAVEL SPEED ON TWO LANE HIGHWAY Krzysztof Ostrowski, Janusz Chodur</p> <p><b>890</b> SPEED MODELS AT ENTRIES TO SIGNALISED RURAL INTERSECTIONS Janusz Chodur, Krzysztof Ostrowski</p> <p><b>878</b> RESEARCH OF CRITICAL GAPS OF TRAFFIC FLOWS ON FREEWAY INTERCHANGE Aleksy Kostsov</p> <p><b>849</b> MICROSIMULATION-BASED EVALUATION OF A 30 KM/H ZONE Carina Chaves, António Vasconcelos, Ana Silva, Raul Almeida</p> <p><b>961</b> USING OF DIFFERENT ROAD VEHICLE COMBINATIONS FOR ABNORMAL TRANSPORTS BASED ON THE ASSESSMENT OF LOAD RATING OF BRIDGES IN SLOVAKIA FOR THE MOST CRITICAL VEHICLE COMBINATION Juraj Jagelcák, Jan Vrabel, Monika Kiktová</p> <p><b>800</b> THE EFFECT OF ROAD RESTRAINT SYSTEMS ON THE LEVEL OF ROAD SAFETY – POLISH EXPERIENCE Marcin Budzynski, Kazimierz Jamroz, Lukasz Jelinski</p> <p><b>967</b> EVALUATION OF DIFFICULTY IN MAKING HOSPITAL BY EACH TRANSPORTATION MODE IN DEPOPULATED AREA - USING NATIONAL HEALTH INSURANCE DATA - Yuma Morisaki, Makoto Fujii, Junichi Takayama, Kiyoko Yanagihara, Tatsuya Niahino, Masahiko Sagae, Kohei Hirako</p> <p><b>942</b> RAIL TRAFFIC TECHNOLOGY DURING THE CONSTRUCTION OF LJUBLJANA PASSENGER CENTER Luka Šoško, Gorazd Dolšek</p> <p><b>746</b> IMPACT OF EXCLUSIVE BUS LANE ON URBAN ARTERIAL PERFORMANCE MEASURES Deana Breški, Dražen Cvitanić, Daniela Dumanić</p> <p><b>945</b> CONCEPTUAL DESIGN FOR ESTABLISHING TRAM IN THE PUBLIC TRANSPORT IN SKOPJE Zoran Krakutovski, Darko Moslavac, Zlatko Zafirovski, Stjepan Lakušić</p> <p><b>769</b> POSSIBILITIES TO INTRODUCE A TOURIST TRAM LINE IN THE CITY OF ZAGREB Marko Slavulj, Dino Šojat, Božo Radulović, Filip Sirovica</p> <p><b>887</b> ZAGREB METRO PLANS – CURRENT ISSUES AND FUTURE DEVELOPMENT Saša Ahac, Maja Ahac, Tea Cvitanović, Barbara Trupković</p>	<p>Chairmen <b>Kenneth Gavin and Meho Saša Kovačević</b></p> <p><b>707</b> REHABILITATION TECHNIQUES FOR AGED RAILWAY TUNNELS Meho Saša Kovačević, Mario Bačić, Danijela Jurić Kačunić</p> <p><b>877</b> SUBGRADE TREATED BY ALTERNATIVE TECHNOLOGIES BASED ON FLY ASH FROM FLUIDIZED COMBUSTION Jakub Šedina, Jan Valentin, Petr Mondschein</p> <p><b>934</b> GEOGRIDS - WHAT IS IMPORTANT Mensur Mulabdić, Krunoslav Minažek, Jelena Kaluđer</p> <p><b>954</b> STRUCTURAL REINFORCEMENT OF GEOTEXTILES BY HIGH-TENSILE STEEL WIRE MESHES Vjekoslav Budimir, Armin Roduner</p> <p><b>958</b> PROBLEM SOLUTION FOR EXPLOITATION OF ROAD STRUCTURES AT THE RUSSIAN FAR EAST NORTHERN AREAS Svetlana Zhdanova, N. I. Gorchkov</p> <p><b>964</b> ISSUES OF VIBRO-DYNAMIC IMPACT ON ROADBED DEFORMABILITY IN PERMAFROST CONDITIONS Svetlana Zhdanova, N. I. Gorchkov, Elena D. Goncharova, M. A. Krasnov</p> <p><b>965</b> COMPRESSIBILITY CHARACTERISTICS OF SOFT CLAY USING LARGE SIZED MODEL CONSOLIDATION TEST THROUGH VERTICAL GEO-DRAIN Nirav Rathod, Abhay Gandhi, Manish Shah</p>	<p>Chairmen <b>Domagoj Damjanović and Anđelko Vlašić</b></p> <p><b>655</b> APPLICATION OF FINITE ELEMENT METHODS TO MASONRY BRIDGES Steve Rhodes, Philip Icke, Paul Lyons</p> <p><b>723</b> PARAMETRIC ANALYSIS OF PEDESTRIAN TIMBER BEAM BRIDGES AND SELECTION OF THEIR OPTIMAL DESIGN Adriana Bjelanović, Filip Franolić, Tomislav Franković, Ivana Štimac Grandić</p> <p><b>827</b> DESIGN OF PRECAST BRIDGES USING HPC OMEGA BEAMS Michal Sýkora, Petr Jedlinsky, Jan Komanec</p> <p><b>835</b> SIMPLIFIED PROCEDURE FOR MAXIMUM ACCELERATION DETERMINATION ON SIMPLE BRIDGE STRUCTURES Ivana Štimac Grandić, Davor Grandić, Nina Čepić</p> <p><b>901</b> OPERATIONAL MODAL ANALYSIS OF TWO IDENTICAL SINGLE SPAN ROAD BRIDGES Domagoj Damjanović, Ivan Duvnjak, Marko Bartolac, Janko Koščak</p> <p><b>960</b> FATIGUE ASSESSMENT DUE TO NON-STANDARD DETAILING OF ORTHOTROPIC BRIDGE DECKS Anđelko Vlašić, Nijaz Mujkanović, Gordana Hrelja Kovačević</p>
18:00 - 20:00	ORGANIZED SIGHTSEEING		



DAY 2 - Friday, May 18th			
09:00 - 10:30	3.A ROAD INFRASTRUCTURE - PROJECTS, CONSTRUCTION AND MANAGEMENT	3.B GEOTECHNICS AND INFRASTRUCTURE SYSTEMS COMPONENTS DEGRADATION	3.C TRAFFIC PLANNING AND MODELLING - COMPUTER TECHNIQUES AND SIMULATIONS
	<p>Chairmen <b>Sanja Dimter and Marjan Tušar</b></p> <p><b>647</b> LABORATORY PERFORMANCE-BASED APPRAISAL OF HALF-WARM MIX RECYCLED ASPHALT MIXTURES CONTAINING UP TO 50% OF RECLAIMED ASPHALT PAVEMENT José Lizárraga, Antonio Ramírez, José Marcobal, Juan Gallego</p> <p><b>651</b> OPTIMIZING ASPHALT PAVEMENTS FOR HEAVILY TRAFFICKED ROADS László Gáspár, Zsolt Bencze</p> <p><b>788</b> THE INVESTIGATION OF POLYAMIDE FIBER AS AN ADDITIVE IN HMA Ekinhan Eriskin, Sebnem Karahancer, Kemal Armagan, Caglar Sivri, Serdal Terzi, Mehmet Saltan</p> <p><b>876</b> LOW TEMPERATURE PROPERTIES OF PAVING GRADE BITUMEN Mojca Ravnikar Turk, Marjan Tušar</p> <p><b>881</b> DESIGN OF A CEMENT CONCRETE PAVEMENT FOR ADEN INTERNATIONAL AIRPORT TAXIWAY Fareed Taijooob, Marko Ševrović</p> <p><b>681</b> MODULAR EXPANSION JOINTS FOR JOINT OPENINGS IN THE ROAD Miroslav Šimun, Sandra Mihalinac, Nikola Golojuh, Ninoslav Stajkov</p> <p><b>756</b> ECOLOGICAL ASPECT OF BIOASHES AS ROAD BUILDING MATERIAL Martina Zagvozda, Sanja Dimter, Tatjana Rukavina, Adriana Estokova</p> <p><b>703</b> USE OF COAL WASTE IN ROAD CONSTRUCTION Valerii Vyrozhemskiy, Iryna Voloshyna, Nataliia Bidnenko, Vasyl Nagaychuk</p> <p><b>732</b> BIM IN INFRASTRUCTURE Gregor Krajc</p> <p><b>759</b> SUPERVISION OF ROAD INFRASTRUCTURE BY APPLYING INTELLIGENT TRANSPORT SYSTEMS WITH SPECIAL REVIEW ON BOSNIA AND HERZEGOVINA Abidin Deljanin, Ermin Muharemović, Mirza Berković, Kladija Kuliš</p> <p><b>661</b> DEGRADED ROAD PAVEMENT SURVEY USING GPR Sandro Colagrande, Danilo Ranalli, Marco Tallini</p> <p><b>873</b> INVESTIGATING THE USE OF GPR FOR PAVEMENT CONDITION ASSESSMENT Josipa Domitrovic, Šime Bezina, Tatjana Rukavina, Ivica Stančerić</p>	<p>Chairmen <b>Kenneth Gavin and Andrei Petriaev</b></p> <p><b>SPL</b> Sponsor lecture - GEOBRUGG</p> <p><b>711</b> IMPLEMENTATION OF NON-DESTRUCTIVE METHODS FOR THE DETERMINATION OF TRAMWAY EMBANKMENT CONDITION Mario Bačić, Meho Saša Kovačević, Stjepan Lakušić</p> <p><b>741</b> SET UP OF A THERMAL NETWORK METHOD MODEL FOR THE CALCULATION OF TEMPERATURE DISTRIBUTION IN HEATED POINTS Markus Schladitz, Robert Adam, Steffen Grossmann</p> <p><b>842</b> CROATIAN EXPERIENCE IN APPLICATION OF UAS FOR LANDSLIDE REMEDIATION MEASURES Danijela Jurić Kačunić, Marijan Car, Luka Pušić, Stjepan Matić</p> <p><b>903</b> PASSIVE AND ACTIVE INFRARED THERMOGRAPHY SURVEY IN THE RAILWAY TRANSPORT FIELD Anna Stoynova, Nencho Nenov, Borislav Bonev</p> <p><b>957</b> APPLICATION OF NUMERICAL SIMULATION FOR CALCULATING THE LOAD-BEARING CAPACITY OF BRIDGE SUPPORTS ON PERMAFROST SOILS Sergey Kudryavtsev, Denis Pogodin</p>	<p>Chairmen <b>Ivo Haladin and Andreas Schöbel</b></p> <p><b>683</b> VISUALIZE THE EFFECT OF INPUT VARIABILITY ON MODEL OUTPUT IN TRAFFIC ASSIGNMENT Mundher Seger, Lajos Kisgyorgy</p> <p><b>684</b> PLATFORM INFRASTRUCTURE – INFLUENCE ON PASSENGER BEHAVIOUR Bernhard Rüger, Thomas Eigner</p> <p><b>687</b> THE USE OF LOGIT MODEL FOR MODAL SPLIT ESTIMATION: A CASE STUDY Davor Krasić</p> <p><b>692</b> INNOVATIVE BAGGAGE DROP OFF FOR INTERMODAL AIR-RAIL TRIPS Bernhard Rüger, Christian Albl</p> <p><b>714</b> IMPACTS OF AUTONOMOUS VEHICLES ON THE URBAN FUNDAMENTAL DIAGRAM Qiong Lu, Tamás Tettamanti</p> <p><b>839</b> APPLICATION OF MICROSIMULATION IN ANALYSIS OF THE TRAFFIC LOAD OF THE BRIDGE Irena Istoka Otković, Damir Varevac</p>
10:30 - 11:00	COFFEE BREAK		



DAY 2 - Friday, May 18th			
11:00 - 12:30	4.A RAIL INFRASTRUCTURE - PLANNING, (RE)CONSTRUCTION, MODERNIZATION, MONITORING, MODELLING AND MAINTENANCE	4.B TRANSPORT INFRASTRUCTURE - MANAGEMENT, MONITORING AND MAINTENANCE	4.C PAVEMENTS - LABORATORY TESTING, OPTIMIZATION AND MONITORING
	<p>Chairmen <b>Janusz Madejski and Tomislav Josip Mlinarić</b></p> <p><b>665</b> COMPLEX-SYSTEM DECISION FRAMEWORK FOR MANAGING RISKS TO RAIL STATIONS AT AIRPORTS FROM TERRORIST THREATS Hamad Alawad, Silviu Codru, Sakdirat Kaewunruen</p> <p><b>682</b> CONCEPT OF RECONSTRUCTION AND MODERNIZATION OF RAILWAY TRACKS OF ROUTE 9A – DOBOJ – TUZLA - BRČKO SECTION Ljiljana Milić Marković, Ljubo Marković, Goran Čirović</p> <p><b>755</b> PRIORITIZATION OF RAILWAY INFRASTRUCTURE PROJECTS USING THE ANP APPROACH – CASE STUDY SERBIAN RAILWAY NETWORK Miroslav Prokić, Dragana Macura, Branislav Bošković</p> <p><b>804</b> RAILWAY TRANSPORT SUSTAINABILITY WITH AUTOMATED HIPOT FAILURE DETECTION Agnes Wangai</p> <p><b>885</b> EFFECTS OF UNDER-SLEEPER-PADS ON LONG-TERM TRACK QUALITY BEHAVIOUR Johannes Neuhold, Matthias Landgraf</p> <p><b>886</b> FROM MANUAL INSPECTION TO PERMANENT MONITORING OF TURNOUTS Petra Wilfling</p> <p><b>938</b> SOME TECHNICAL ASPECTS OF THE CONSTRUCTION OF THE NEW HIGH SPEED RAILWAY IN MEXICO Roberto Gomez, J. Alberto Escobar, Victor Cecilio, Marco Mendoza, Luis Arenas</p>	<p>Chairmen <b>Vesna Dragčević and Lajos Kisgyörgy</b></p> <p><b>690</b> MANAGEMENT OF DEFECTIVE WORKS IN INFRASTRUCTURE PROJECTS Esat Gashi</p> <p><b>822</b> STREET NETWORK ANALYSIS BASED ON SUBDISTRICTS OF BUDAPEST Andor Háznagy</p> <p><b>852</b> EXPROPRIATION OF LAND FOR THE CONSTRUCTION OF THE “LOWLAND RAILWAY ZAGREB - RIJEKA” Damir Kontrec, Davor Rajčić</p> <p><b>863</b> OVERVIEW ON THE MAIN RAILWAY LINKS IN SOUTHEAST EUROPE Mathias Niedermaier, Ana Perić</p> <p><b>913</b> LIFE CYCLE MANAGEMENT MODEL FOR TUNNELS Sandra Skarić Palić, Irina Stipanović Oslaković, Meho Saša Kovačević, Kenneth Gavin</p> <p><b>932</b> RISK MANAGEMENT IN TRANSPORT INFRASTRUCTURE PROJECTS Ksenija Čulo, Vladimir Skendrović</p>	<p>Chairmen <b>Aleksandra Deluka Tibljaš and Laszlo Gaspar</b></p> <p><b>KNL</b> KEYNOTE LECTURE: THE PELJESAC BRIDGE - MAJOR INFRASTRUCTURE PROJECT IN CROATIA Mr.sc. Goran Legac, Hrvatske ceste d.o.o.</p> <p><b>648</b> DETERMINATION OF ROAD SURFACE CHARACTERISTICS USING PHOTOGRAMMETRY TECHNIQUE Mirza Pozder, Sanjin Albinovic, Ammar Saric, Dzevad Krdzalic</p> <p><b>706</b> PAVEMENT SURFACE MACROTEXTURE ANALYSIS Ivana Pranjčić, Aleksandra Deluka Tibljaš, Marijana Cuculić, Robert Skender</p> <p><b>728</b> PERFORMANCE EVALUATION OF VOID- FREE ASPHALT CONCRETE FOR HEAVY DUTY PAVEMENT Injung Kim, Kyeongjin Kim, Sungjin Lee, Kwang Kim</p> <p><b>761</b> ON THE IMPORTANCE OF AGGREGATE MINERALOGY IN ASPHALT PAVEMENT DISTRESS Nicolae Ciont, Nicolae Har, Mihai Iliescu</p> <p><b>939</b> TESTING OF PERVIOUS CONCRETE WITH NON-DESTRUCTIVE METHODS Miloš Šešlija, Vlastimir Radonjanin, Nebojša Radović</p> <p><b>940</b> ANALYSIS OF BITUMEN AGEING PROCESSES AND INNOVATIVE TECHNIQUES FOR THE REJUVENATION Rita Kleiziene, Audrius Vaitkus, Miglė Paliukaitė</p>
12:30 - 13:00	COFFEE BREAK		



DAY 2 - Friday, May 18th				
13:00 - 14:30	5.A RAIL TRACK STRUCTURE - DESIGN	5.B ROAD TRAFFIC SAFETY	5.C POWER SUPPLY OF TRANSPORT SYSTEMS AND TRACTION VEHICLES	
	<p>Chairmen <b>Anastasia Konon and Janusz Madejski</b></p> <p><b>721</b> EXPERIMENTAL VERIFICATION OF AN OPTIMISED HEATING SYSTEM FOR HOLLOW SLEEPERS CONTAINING POINTS POSITIONING SYSTEMS Julian Heger, Franz Kurzweil, Markus Schladitz, Robert Adam, Steffen Großmann</p> <p><b>765</b> IN-SITU TESTING OF RC TRACK SLAB IN TUNNEL IVAN AND NUMERICAL MODELING Senad Medic, Adis Skejić, Sanjin Albinović</p> <p><b>773</b> ISSUES IN DESIGNING PAVEMENT SURFACES FOR PUBLIC TRANSPORT LANES Péter Balog, Nándor Dr. Liegner</p> <p><b>836</b> RAILWAY BUFFER STOPS PLANNING Otto Plášek, Vlastislav Salajka, Vladimír Adamec, Miroslava Hruzliková, Petr Hradil, Barbora Schüllerová, Petr Guziur</p> <p><b>861</b> ALLOWABLE WHEEL LOADS OF PRESTRESSED CONCRETE SLEEPERS STANDARDIZED BY JIS Keiichi Goto, Watanabe Tsutomu, Masamichi Sogabe</p> <p><b>905</b> ANALYSIS OF DYNAMIC IMPACT FORCES ON RAILWAY TRACKS DUE TO WHEEL FLATS Cengiz Kolukirik, Niyazi Bezgin</p> <p><b>972</b> TRACK STRUCTURE RECONSTRUCTION PRACTICE FOR THE SUBGRADE ON WEAK FOUNDATION SOIL Andrey Zaytsev, Andrei Petriaev, Laura Černiauskaite</p>	<p>Chairmen <b>Rudolf Eger and Ivica Stančerić</b></p> <p><b>674</b> ADDRESSING SIGHT-DISTANCE-RELATED SAFETY EFFECTS OF INSTALLING MEDIAN BARRIERS AT HORIZONTAL CURVES OF UNDIVIDED HIGHWAYS UNDER A 3D APPROACH César De Santos-Berbel, Keila González-Gómez, Maria Castro, José Anta</p> <p><b>751</b> ANALYSIS OF SELECTED TYPES OF ADVERTISEMENT INFLUENCING THE DRIVER'S ATTENTION IN REAL ROAD TRAFFIC Kateřina Bucsuházy, Ivo Stáňa, Marek Semela, Veronika Svozilová, Olga Vallová</p> <p><b>766</b> RESTRICTIONS OF USING SPEEDOMETER READINGS FOR DETERMINING VEHICLE COLLISION SPEED Michal Krizak, Albert Bradac, Marek Semela, Roman Mikulec</p> <p><b>796</b> ACCIDENT PREDICTION MODELS CONSIDERING PAVEMENTS QUALITY Rita Justo-Silva, Adelino Ferreira</p> <p><b>832</b> ROAD SAFETY MANAGEMENT IN ROMANIA Adrian Burlacu, Alina Burlacu, Carmen Racanel</p> <p><b>882</b> COMPARISON OF PEDESTRIAN BEHAVIOR AT SIGNALIZED INTERSECTIONS AND OVERPASS LOCATIONS Yalcin Alver, Pelin Onelcin</p> <p><b>911</b> PILOT PROJECT FOR ROAD SAFETY IN ROMANIA USING THE CABLE ROAD BARRIER Flavius Paval, Mihai Toma</p>	<p>Chairmen <b>Adam Szelag and Mladen Nikšić</b></p> <p><b>SPL</b> Sponsor lecture - SIEMENS</p> <p><b>894</b> COMPARATIVE STRENGTH ANALYSIS OF THE RAILWAY CANTILEVER Svetoslav Slavchev, Vladislav Maznichki, Oleg Krastev, Kiril Velkov, Sanel Purgic</p> <p><b>899</b> A CALCULATION OF ELECTRIC DRIVES REQUIREMENTS IN A HYBRID SWEEPER Niksa Cavar, Tomislav Ivanis, Mario Vrazic</p> <p><b>910</b> APPLICATION OF A SPECTRAL THEORY FOR ANALYSIS OF IMPULSE STOCHASTIC PROCESSES OF VOLTAGE AND CURRENT OF ELECTRIC ROLLING STOCK IN TRACTION-REGENERATIVE MODES Adam Szelag, Mykola Kostin, Anatolii Nikitenko, Włodzimierz Jefimowski, Maciej Wieczorek</p> <p><b>912</b> STRENGTH ASSESSMENT OF POWERED AXLE USING DIFFERENT CALCULATION METHODS Sanel Purgic, Svetoslav Slavchev, Valeri Stoilov, Kiril Velkov</p> <p><b>922</b> TRAM POWER SUPPLY INFRASTRUCTURE MODERNIZATION FOR IMPROVING ITS ENERGY EFFICIENCY – POLISH CASE Adam Szelag, Tadeusz Maciołek, Zbigniew Drązek, Marcin Steczek</p> <p><b>927</b> THE OPTIMIZATION OF SUPERCAPACITOR MODULE PARAMETERS OF A STATIONARY ENERGY STORAGE SYSTEM IN DC POWER SUPPLY Jefimowski Włodzimierz, Adam Szelag, Nikitenko Anatolij, Wieczorek Maciej</p>	
14:30 - 15:30	LUNCH BREAK			



DAY 2 - Friday, May 18th			
15:30 - 17:00	6.A TRANSPORT INFRASTRUCTURE MANAGEMENT	6.B ROAD INFRASTRUCTURE - PLANNING, CONSTRUCTION, MANAGEMENT AND MAINTENANCE	6.C TRAFFIC PLANNING AND MODELLING - DESIGN, TRAVEL TIME AND SERVICE QUALITY
	<p>Chairmen <b>Željko Korlaet and Adelino Ferreira</b></p> <p><b>777</b> ERGONOMIC MODEL OF ACTION'S DETERMINANTS AND APPLICATION IN SECURITY SYSTEM (DYNAMIC INTUITIONISTIC FUZZY MULTI-ATTRIBUTE DECISION MAKING METHOD) Jihad Ouahli, Abdelghani Cherkaoui</p> <p><b>643</b> MATHEMATICAL MODEL OF MEASUREMENT OF POSITIVE EFFECTS ON THE APPLICATION OF ELECTRICAL VEHICLES IN CITY LOGISTICS. Amel Kosovac, Azra Ferizovic</p> <p><b>666</b> COMPARISON OF THE MODELS FOR ANALYSING SIGNALIZED INTERSECTIONS Dražen Cvitanić, Mario Maretić, Jure Zekan, Ivan Bošnjak</p> <p><b>819</b> AUGMENTED TRANSPORTATION: IMPLICATIONS OF AUTONOMOUS VEHICLES OUTSET IN TRAFFIC Tullio Giuffrè, Sanja Šurdonja, Aleksandra Deluka-Tibljaš</p> <p><b>853</b> OPERATING SPEED ON URBAN ROAD NETWORK – CASE STUDY IN RIJEKA, CROATIA Aleksandra Deluka-Tibljaš, Sanja Šurdonja, Dario Malatestinić, Luka Strineka</p> <p><b>816</b> COMPARISON OF THE OPERATING INTERVALS ON THE RAILWAY LINE BETWEEN ŽILINA AND RAJEC AFTER THE APPLICATION OF A NEW DIRECTIVE BY THE SLOVAK RAILWAY INFRASTRUCTURE MANAGER Juraj Čamaj, Anna Dolinayová</p> <p><b>733</b> IMPACT OF INPUT PARAMETERS ON FINAL SELECTION OF INFRASTRUCTURE OBJECTS AND TECHNOLOGIES OF TRAFFIC Ivo Poljak</p> <p><b>869</b> DIVIDING INVESTMENTS INTO SUSTAINABLE DEVELOPMENT OF RAILWAY TRANSPORT SYSTEM AS LINEAR PROGRAMMING PROBLEM Vitalii Naumov, Hanna Vasiutina</p> <p><b>917</b> APPLICATION OF BIM TECHNOLOGY IN LINEAR CONSTRUCTION PROJECTS Filip Ruška, Zlata Dolaček-Alduk, Sanja Dimter, Martina Zagvozda</p> <p><b>923</b> CONTEMPORARY APPROACH TO ENGINEERING EDUCATION IN THE FIELD OF TRANSPORT INFRASTRUCTURE Sanja Dimter, Zlata Dolaček-Alduk, Ivana Barišić, Filip Ruška</p> <p><b>847</b> MONITORING OF TRAFFIC NOISE ON URBAN ROAD INTERSECTION - CASE STUDY Tamara Džambas, Vesna Dragčević, Jure Čuljak</p> <p><b>897</b> THEORETICAL – CALCULATION MODEL FOR DETERMINATION ON STRESS AND LOAD-BEARING CAPACITY IN RAIL TRACK WITH CORROSION Antonio Shopov</p> <p><b>900</b> CHANGE OF SPRING CONSTANT FOR SPRINGS WITH CORROSION Antonio Shopov, Borislav Bonev, Nikolay Brayanov</p> <p><b>936</b> STRAY CURRENT CORROSION ACTIVITY ON RAIL TRANSIT SYSTEM IN URBAN AREAS Katarina Vranešić, Stjepan Lakušić, Marijana Serdar</p>	<p>Chairmen <b>Vesna Dragčević and Aleksandra Deluka Tibljaš</b></p> <p><b>672</b> PREDICTING TRAFFIC SIGNS FUNCTIONAL SERVICE LIFE USING SURVIVAL ANALYSIS METHOD Anđelko Ščukanec, Milan Patrlj, Mario Fiolić, Dario Babić</p> <p><b>708</b> FUTURE CHALLENGES FOR THE ROAD ASSET MANAGEMENT Denitsa Osichenko, Roland Spielhofer</p> <p><b>731</b> ECODRIVING POTENTIAL OF ROADS ACCORDING TO THEIR SPEED SECTIONING : BOSNIA AND FRANCE CASES Emir Deljanin, Pierre-Olivier Vandanjon, Alex Coiret, Samir Causevic</p> <p><b>739</b> GENERAL DESIGN OF THE BANJA LUKA – PRIJEDOR – NOVI GRAD HIGHWAY IN THE REPUBLIC OF SRPSKA - SELECTION OF THE OPTIMUM CORRIDOR Isidora Pančić, D. Dragičević, S. Đokić, R. Matić, N. Stevanović</p> <p><b>772</b> INTELLIGENT TRANSPORT SYSTEMS IN SOUTH EAST EUROPE: TOWARDS A COMMON STRATEGIC FRAMEWORK FOR IMPLEMENTATION Nedim Begovic, Marios Domoxoudis, Efthimos Liberopoulos, Uroš Marjanović, Marios Miltiadou, Dušan Mladenović, Žaneta Ostojčić Barjaktarević, Aleš Pavšek, Miroslav Petrović, Božica Radoš</p> <p><b>909</b> A SEMI-AUTOMATIC METHOD OF ASSESSING THE TECHNICAL STATE OF THE STREET NETWORK THROUGH THE SOFTWARE „E.S.T.S.“ Flavius Paval</p> <p><b>944</b> NEW MATERIALS AND TECHNOLOGIES USED IN CIVIL INFRASTRUCTURE Dubravka Bjegović, Nina Štirmer</p>	<p>Chairmen <b>Borna Abramović and Davor Brčić</b></p> <p><b>713</b> AN APPLICATION OF ANALYTIC NETWORK PROCESS FOR EVALUATING PUBLIC TRANSPORT SUPPLY QUALITY Sarbast Moslem, Szabolcs Duleba</p> <p><b>744</b> APPLICATION OF PASSING SIGHT DISTANCE IN ROAD DESIGN Boris Čutura, Dražen Cvitanić, Ivan Lovrić</p> <p><b>750</b> SURVEY ON RAIL SERVICE QUALITY - CASE STUDY SERBIAN RAILWAYS Dragana Macura, Milica Šelmić, Nebojša Bojović, Nikola Mijailović, Milutin Milošević</p> <p><b>776</b> COMPETITIVE TRAVEL TIMES WITH HIGHWAYS ON THE HUNGARIAN RAILWAY NETWORK Viktor Borza, János Földiák</p> <p><b>808</b> ESTABLISHMENT OF THE CONGESTION CHARGING ZONE IN THE CITY OF DUBROVNIK Marko Šoštarčić, Davor Brčić, Orsat Lale</p> <p><b>865</b> MOBILETIMES – CONCEPTS FOR THE MULTIFUNCTIONAL USE OF TRAVEL TIME Harald Frey, Manuela Winder, Edeltraud Haselsteiner, Petra Wetzel, Margarete Havel</p>
17:00 - 17:30	COFFEE BREAK		



DAY 2 - Friday, May 18th

17:30 - 19:00	7.A STRUCTURES - MANAGEMENT, MONITORING AND MAINTENANCE	7.B RAIL TRANSPORT MANAGEMENT - OPERATION, INTEGRATION AND INTERMODALITY
	<p>Chairmen <b>Tatjana Rukavina and Makoto Fujii</b></p> <p><b>645</b> THE FIRST BRIDGE WITH POLYMER FIBRE REINFORCED CONCRETE RIDING SURFACE IN THE CZECH REPUBLIC Petr Bily, Josef Fládr, Pavel Ryjáček, Vojtěch Stančík</p> <p><b>650</b> PROACTIVE CONDITION-BASED BRIDGE REHABILITATION PLANNING INCLUDING LCA AND LCC Antonia Gordt, Stephanie Maier, Kristina Henzler, Stephanos Camarinopoulos, Vassilis Kallidromitis, Corrado Sanna, Panagiotis Panetsos, Theodora Karali, Kostas Bouklias</p> <p><b>828</b> A STUDY ON IMAGE DIAGNOSTIC TECHNOLOGY FOR BRIDGE INSPECTION USING ULTRA HIGH RESOLUTION CAMERA Takahiro Minami, Makoto Fujii, Jyunichi Takayama, Shinya Suda, Shuya Okumura</p> <p><b>892</b> ACOUSTIC EMISSION FOR MONITORING OF STRENGTHENED RC BEAM-COLUMN JOINTS Sena Tayfur, Emre Ercan, Kentaro Ohno, Ninel Alver</p> <p><b>915</b> TENSILE STRENGTH FOR EVALUATING DETERIORATION IN CONCRETE Andrew Boyd, Andrew Komar, Gaowei Xu, Andrea Leone</p> <p><b>948</b> IN-SERVICE PERFORMANCE OF ROAD CONCRETE BRIDGES – SET UP OF CASE STUDIES FOR NOVEL PRO-ACTIVE MAINTENANCE METHODOLOGY Marija Kušter Marić, Jelena Bleiziffer, Anđelko Vlašić, Joško Ožbolt, Ana Mandić Ivanković, Mladen Srbić, Dominik Skokandić, Gordana Hrelja Kovačević, Nijaz Mujkanović, Stjepko Devald, Danijel Tenžera, Krunoslav Tepeš, Mladen Burić, Luka Lacković</p> <p><b>969</b> VIBRODYNAMIC IMPACT ON THE RAYLWAY SUBSTRUCTURE AND METHODS OF ITS REDUCTION Andrei Petriaev</p>	<p>Chairmen <b>Andreas Schöbel and Borna Abramović</b></p> <p><b>658</b> THE ANALYSIS OF THE ORGANISATION OF RAILWAY PASSENGER TRANSPORT ON THE LIBERALISED MARKET Borna Abramović, Denis Šipuš, Marko Leko</p> <p><b>760</b> ERTMS DEPLOYMENT PARADIGM WITH A SPECIAL REVIEW OF APPLIED EU DIRECTIVES Božica Radoš</p> <p><b>860</b> BIOMETRICS FOR SEAMLESS URBAN PUBLIC TRANSPORTATION Gaurav Agarwal</p> <p><b>888</b> THE ROLE OF THE RAILWAY INFRASTRUCTURE IN PORTS OF HUNGARY Gábor Horváth, Lajos Szabó</p> <p><b>907</b> EVALUATION MODEL OF RAILWAY INFRASTRUCTURE POTENTIAL FOR ESTABLISHMENT OF FREIGHT INTERMODAL TERMINALS Svetoslav Martinov</p> <p><b>916</b> VIBRATIONAL ACCELERATION DISTRIBUTION IN RAILWAY BALLAST IN TERMS OF HEAVY AXLE LOAD OPERATION Anastasia Konon</p>
20:30 - 23:00	GALA DINNER	



DAY 3 - Saturday, May 19th			
09:00 - 10:30	8.A RAIL INFRASTRUCTURE - MONITORING, MODELLING AND MAINTENANCE	8.B URBAN TRANSPORT - MODELLING, INTEGRATION, INTERMODALITY AND MOBILITY	8.C PAVEMENTS - MONITORING AND CONDITION ASSESMENT
	<p>Chairmen <b>Maja Ahac and Janusz Madejski</b></p> <p><b>826</b> PERCEPTION OF TRAFFIC NOISE AND PROTECTION MEASURES BY PEOPLE LIVING ALONG THE ROAD Krystian Woźniak</p> <p><b>841</b> MIXTURE DISTRIBUTION MODEL OF DEPARTURE TIME DECISION FOR RAILWAY COMMUTERS Kota Miyachi, Kazuyuki Takada</p> <p><b>858</b> PERFORMANCE EVALUATION OF A PRECISE TIME SYNCHRONIZATION TECHNOLOGY FOR TRAINS Pusik Park, Jeongdo Lee, Jongho Yoon</p> <p><b>867</b> POSSIBILITY FOR RUNNING FREIGHT TRAINS AT SPEED 80 KM/H ON EXISTING SAUDI RAILWAYS FREIGHT LINE Fitim Shala, Muhammad Umair Shaukat</p> <p><b>908</b> RAIL INFRASTRUCTURE CHARGES IN THE V4 COUNTRIES Anna Dolinayova, Juraj Camaj</p> <p><b>712</b> IMPACT OF RAILWAY TRACK PARAMETERS ON ENERGY CONSUMPTION AND GHG PRODUCTION OF PASSENGER TRAIN OPERATION Martin Kendra, Tomáš Skrúčaný, Juraj Grenčík, Peter Šulko</p> <p><b>646</b> REHABILITATION OF RAILWAY TRACK QUALITY IN CONDITIONS OF THE SLOVAK REPUBLIC Janka Šestáková, Libor Ižvolt</p> <p><b>667</b> EFFECTS OF VERTICAL AND THROUGH HOLES ON CYCLIC BEHAVIOUR OF RAILWAY CONCRETE SLEEPERS Dan Li, Ruilin You, Sakdirat Kaewunruen</p> <p><b>668</b> FATIGUE LIFE LOSSES OF RAILWAY CONCRETE SLEEPERS DUE TO SURFACE ABRASIONS Rui You, Dan Li, Sakdirat Kaewunruen</p> <p><b>933</b> NUMERICAL SIMULATIONS OF THE RAILWAY BALLAST Viktorija Grgic, Stjepan Lakusic, Damir Lazarevic</p> <p><b>902</b> APPLICATION OF OSUEK'S TRAM TRACKS GEOMETRY ANALYSIS RESULTS IN THEIR RECONSTRUCTION STRATEGY DEVELOPMENT Maja Ahac, Stjepan Lakušić, Janusz Madejski, Ivo Haladin</p>	<p>Chairmen <b>Rudolf Eger and Davor Brčić</b></p> <p><b>653</b> IMPLEMENTATION AND BENEFITS OF A LOW COST PMS FOR MUNICIPAL ROAD NETWORKS. Carl Van Geem, Tim Massart</p> <p><b>689</b> DATA NEEDS FOR LONG-TERM URBAN MOBILITY PLANNING: DIFFICULTIES OBSERVED IN PRACTICES Takeru Shibayama, Martin Dan, Helmut Lemmerer, Mihaly Lados, Thomas Macoun</p> <p><b>762</b> INSTALLATION OF AN INNOVATIVE RAILWAY FASTENING SYSTEM Tomislav Tesla</p> <p><b>812</b> THE ROLE OF SMART MOBILITY IN SMART CITIES Davor Brčić, Marko Slavulj, Dino Šojat, Julijan Jurak</p> <p><b>955</b> MOBILITY MANAGEMENT AT RHEINMAIN UNIVERSITY – AN EXAMPLE FOR THE STRATEGIC IMPLEMENTATION OF MOBILITY MANAGEMENT AT UNIVERSITIES Maximilian Birk, Sabrina Walther, Rudolf Eger</p>	<p>Chairmen <b>Tatjana Rukavina and Lajos Kisgyorgy</b></p> <p><b>791</b> FIELD PERFORMANCE EVALUATION OF UNBOUND GRANULAR MATERIALS USING THE FAST FALLING WEIGHT DEFLECTOMETER Silvia Giuntoli, Chiara Pratelli, Giacomo Betti, Alessandro Marradi</p> <p><b>792</b> INFLUENCE OF THE OVERLOADED VEHICLES ELIMINATION ON THE ROAD PAVEMENT DURABILITY Piotr Zieliński, Malwina Sptawińska, Piotr Burnos, Janusz Gajda</p> <p><b>814</b> STUDY OF THE RELATIONSHIP BETWEEN THE AGGREGATES GRADATION, BINDER PROPERTIES AND DENSIFICATION INDEXES FOR AN ASPHALT CONCRETE RUTTING RESISTANCE Laynara Barroso, Lilian Rezende, Márcio Farias</p> <p><b>846</b> STRESS-STRAIN AND FAILURE MODES OF ASPHALT CONCRETE IN COMPRESSION DUE TO GEOMETRICAL CHANGES Lee Leon, Dr Derek Gay, Nicola Simpson, Shian Edwin</p> <p><b>918</b> PRELIMINARY INVESTIGATION OF MECHANICAL AND FUNCTIONAL PROPERTIES OF COLORED ASPHALT PAVEMENT SURFACES Marco Pasetto, Emiliano Pasquini, Giovanni Giacomello, Andrea Ballelo</p> <p><b>937</b> TESTING OF BITUMINOUS PAVEMENT LAYERS REINFORCED WITH FIBERGLASS GRIDS Josef Holomek, Pavel Šperka, Jan Kudrna, Štěpán Bohuš, Jiří Sachr</p>
10:30 - 11:00	COFFEE BREAK		



DAY 3 - Saturday, May 19th			
11:00 - 12:15	9.A ROAD INFRASTRUCTURE MANAGEMENT - CONSTRUCTION AND MAINTENANCE	9.B RAIL TRANSPORT MANAGEMENT - OPERATION, INTEGRATION AND INTERMODALITY	9.C TRAFFIC SAFETY
	<p>Chairmen <b>Saša Ahac and Željko Korlaet</b></p> <p><b>654</b> EXPLORING CHALLENGES FACING ROAD CONTRACTORS IN EXECUTION OF GOVERNMENT OF GHANA (GOG) FUNDED PROJECTS Nicholas Marteye, Ernest Kissi, Daniel Yamoah, Asare Samuel</p> <p><b>696</b> WAYS TO CREATE A COMPETITIVE ENVIRONMENT IN THE AREA OF OPERATIONAL MAINTENANCE OF ROADS Artem Bezuglyi, Sergii Illiash, Oleksandr Tymoshchuk</p> <p><b>702</b> NEW APPROACHES TO PROTECT SOIL AND WATER RESOURCES DURING WINTER MAINTENANCE OF ROADS Valerii Vyrozhemskiy, Iryna Voloshyna, Artem Bezuglyi, Nataliia Bidnenko</p> <p><b>803</b> COSTS OF PERFORMANCE BASED MAINTENANCE FOR UNPAVED LOCAL ROADS: CASE STUDY ALBANIA Igor Jokanovic, Bojana Grujić, Dragana Zeljić, Žarko Grujić, Mila Svilar</p>	<p>Chairmen <b>Borna Abramović and Andreas Schöbel</b></p> <p><b>698</b> APPLICATION OF KRONECKER ALGEBRA FOR RAILWAY LINE ZAGREB - RIJEKA Andreas Schöbel, Hans Blieberger, Christian Schöbel</p> <p><b>829</b> A STUDY ON THE TRANSPORTATION MODE CHOICE AFTER NEW EXTENSION OF HIGH SPEED RAIL IN JAPAN Gen Hayamizu, Makoto Fujii, Junichi Takayama</p> <p><b>837</b> SUBSTITUTION EFFECT OF HIGH SPEED RAIL FOR AIR TRANSPORT IN CASE OF CONTINUOUS FLIGHT CANCELLATIONS Kazuyuki Takada, Kota Miyauchi, Makoto Fujii</p> <p><b>906</b> STUDY OF THE POSSIBILITIES FOR DEVELOPING PASSENGER TERMINAL BY APPLYING A MODEL FOR EVALUATION OF THE RAILWAY INFRASTRUCTURE PARAMETERS Radina Nikolova, Oleg Krastev, Rositza Kenova</p> <p><b>924</b> RAIL INFRASTRUCTURE DEVELOPMENT AND CLIMATE CHANGE - CHALLENGES FOR RAIL OPERATORS Tibor Princz-Jakovics, Dora Bachmann</p>	<p>Chairmen <b>Ivica Stančerić and Sanja Dimter</b></p> <p><b>717</b> THE COMPREHENSIVE ANALYSIS OF A HIGH RISK SITE: A CASE STUDY Kateřina Bucsuházy, Ivo Stáňa, Michal Zelený, Rybka Jidřich, Semela Marek</p> <p><b>719</b> GEOSPATIAL ANALYSIS OF TRAFFIC ACCIDENTS IN URBAN AREAS - CASE STUDY OF CITY OF SISAK Mario Čosić, Ljupko Šimunović, Božo Radulović</p> <p><b>738</b> CASE STUDY OF VEHICLE SIDE CRASHES WITH TRAMS Roman Mikulec, Marek Semela, Stanislav Tokař</p> <p><b>920</b> ANALYSIS OF REASONS OF ACCIDENTS BETWEEN CYCLISTS AND PUBLIC TRANSPORT VEHICLES IN CITIES Marek Bauer, Wiesław Dźwigoń, Romanika Okraszewska</p> <p><b>975</b> SAFE-10-T: SAFETY OF TRANSPORT INFRASTRUCTURE ON THE TEN-T NETWORK Julie Clarke, Paul Doherty, Lorcan Connolly, Kenneth Gavin, Marieke van der Tuin, Pieter van Gelder, Stephen Wells, Rade Hajdin, Meho Saša Kovačević, Timo Hartmann, Irina Stipanović Oslaković, Ruediger Ehlers, Chiara Bianchizza, Miglè Paliukaite, Colin Sims, Giel Klanker, Dražen Vinšćak</p>
12:30 - 13:00	CLOSURE CEREMONY		