Special sessions called “Electromobility and public transport – current problems and issues” and “Decision support methods and tools for transport systems” during the conference are related to the implementation of the international projects within the scope of ERA-NET CoFund EMEurope: “Planning Process and Tool for Step-by-Step Conversion of the Conventional or Mixed Bus Fleet to a 100% Electric Bus Fleet” and “Electric travelling - platform to support the implementation of electromobility in Smart Cities based on ICT applications” which is financing from the means of the National Centre for Research and Development.
DAY I
OPENING and PLENARY SESSION (SAMBA+TANGO+SALSA HALLS)

Chairman:
Jacek Chmielewski – University of Science and Technology, Bydgoszcz, Poland

10.00 – 10.30 Opening of the TSTP2019 Conference
10.30 – 11.45 - presentations
11.45 – 12.00 - discussion

10.30 Orazio Giuffrè, Anna Granà, Tullio Giuffrè, Francesco Acuto, Maria Luisa Tumminello
University of Palermo, Italy
University of Enna Kore, Enna, Italy
ESTIMATING POLLUTANT EMISSIONS BASED ON SPEED PROFILES AT URBAN ROUNDBO Gibs: A PILOT STUDY

10.45 Stanisław Krawiec, Krzysztof Krawiec, Sylwester Markusik
Silesian University of Technology, Katowice, Poland
STAGES IN THE CONVERSION PROCESS OF BUS FLEET CONVERSION FROM CONVENTIONAL TO A 100% ELECTRIC FLEET

11:00 Anton Pashkevich, Eduard Bairamov, Tomasz E. Burghardt, Matus Sucha
Palacký University Olomouc, Olomouc, Czech Republic
Cracow University of Technology, Kraków, Poland
M. Swarovski GmbH, Amstetten, Austria
FINDING THE WAY AT KRAKÓW GŁÓWNY RAILWAY STATION: PRELIMINARY EYE TRACKER EXPERIMENT

11:15 Grzegorz Dydkowski
University of Economics in Katowice, Metropolitan Transport Authority (ZTM), Poland
THE IMPACT OF CITIES’ SPATIAL PLANNING ON THE DEVELOPMENT OF A SUSTAINABLE URBAN TRANSPORT

11:30 Firas Alrawi, Yagoob Hadi
Urban and Regional Planning Center, University of Baghdad, Baghdad, Iraq
THE APPLICATION OF BUS RAPID TRANSIT SYSTEM IN THE CITY OF BAQUBA AND ITS IMPACT ON REDUCING DAILY TRIPS
DAY I
PANEL SESSION 1.1 (SAMBA+TANGO+SALSA HALLS)
TRANSPORT SAFETY

Chairman:
Anna Granà – University of Palermo, Palermo, Italy

13.00 – 14.15 - presentations
14.15 – 14.30 - discussion

13.00 Izabela Skrzypczak, Wanda Kokoszka, Tomasz Pytlowany, Wojciech Radwański
Rzeszów University of Technology, Poland
Krosno State College, Polytechnic Institute, Poland
LANDSLIDES AND THE RISK OF DAMAGE TO ROAD INFRASTRUCTURE
ON THE EXAMPLE OF A TRANSPORT NODE

13.15 Agnieszka Tubis, Mateusz Rydlewski, Emilia Skupień
Wroclaw University of Science and Technology, Wrocław, Poland
NON-TECHNICAL ASPECTS OF SAFETY IN SCOOTER-SHARING SYSTEM
IN WROCLAW

13:30 Katarzyna Turoń, Piotr Czech
Silesian University of Technology, Katowice, Poland
THE CONCEPT OF RULES AND RECOMMENDATIONS FOR RIDING
SHARED AND PRIVATE E-SCOOTERS IN THE ROAD NETWORK
IN THE LIGHT OF GLOBAL PROBLEMS

13:45 Hamid Ahmed Awad Alacash, Tony Parry
University of Anbar, Iraq
University of Nottingham, United Kingdom
APPLYING RANDOM PARAMETERS MODEL TO EVALUATE THE IMPACT
OF TRAFFIC, GEOMETRIC AND PAVEMENT CONDITION
CHARACTERISTICS ON ACCIDENT FREQUENCIES OCCURRED
AT A – ROADS NETWORKS IN THE UK

14:00 Aleksander Król, Małgorzata Król
Silesian University of Technology, Katowice, Poland
Silesian University of Technology, Gliwice, Poland
A CASE STUDY OF HIGH POWER FIRE AND EVACUATION PROCESS
IN AN URBAN ROAD TUNNEL
DAY I

PANEL SESSION 1.2 (SAMBA+TANGO+SALSA HALLS)  
PROBLEMS OF DEVELOPMENT OF TRANSPORT SYSTEMS

Chairman:  
Agnieszka Tubis – Wroclaw University of Science and Technology, Wroclaw, Poland

16.00 – 17.45 - presentations  
17.45 – 18.00 - discussion

16.00  
Leszek Mindur  
*International University of Logistics and Transport in Wroclaw, Wroclaw, Poland*  
THE IMPACT OF THE INDIA’S ECONOMY ON THE DEVELOPMENT OF SEA PORTS

16.15  
Tomasz Szczuraszek, Jacek Chmielewski  
*University of Science and Technology, Bydgoszcz, Poland*  
PLANNING SPATIAL DEVELOPMENT OF A CITY FROM THE PERSPECTIVE OF ITS RESIDENTS’ MOBILITY NEEDS

16:30  
Wojciech Lewicki, Bogusław Stankiewicz, Aleksandra Olejarz-Wahba  
*West Pomeranian University of Technology Szczecin, Szczecin, Poland*  
The Jacob of Paradies University, Gorzów, Poland  
The University of Warmia and Mazury in Olsztyn, Olsztyn, Poland  
THE ROLE OF INTELLIGENT TRANSPORT SYSTEMS IN THE DEVELOPMENT OF THE IDEA OF SMART CITY

16:45  
Vitalii Naumov, Krystian Banet  
*Cracow University of Technology, Kraków, Poland*  
ESTIMATING PARAMETERS OF DEMAND FOR TRIPS BY PUBLIC BICYCLE SYSTEM USING GPS DATA

17:00  
Marcin Staniek  
*Silesian University of Technology, Katowice, Poland*  
USING THE KALMAN FILTER FOR PURPOSES OF ROAD CONDITION ASSESSMENT

17:15  
Nour NM. Aboushaqrah, Nuri Cihat Onat, Murat Kucukvar, Rateb Jabbar  
*College of Engineering, Qatar University, Doha, Qatar*  
LIFE CYCLE SUSTAINABILITY ASSESSMENT OF SPORT UTILITY VEHICLES: THE CASE FOR QATAR

17:30  
Dariusz Tłoczyński  
*University of Gdańsk, Gdańsk, Poland*  
TIME ZONE OPERATIONS IN POLISH AIRPORTS AS AN ELEMENT OF TRANSPORT SYSTEM
RELATED TOPICS TO DISCUSS (DAY I)

Maciej Mindur
SIGNIFICANCE OF THE PORT OF SINGAPORE AGAINST THE COUNTRY’S ECONOMIC GROWTH

Maciej Mindur
THE DEVELOPMENT OF SEA TRANSPORT IN SOUTH KOREA IN 2002-2017

Ireneusz Celiński, Tomasz Celiński
RECOGNIZING DIFFERENT CONGESTION PATTERNS USING DRONES

Aleksander Król, Małgorzata Król
THE DEVELOPMENT OF A HIGH POWER FIRE IN A ROAD TUNNEL

Adrian Barchański
IMPACT OF WAITING TIME AT MINOR STREET APPROACH ON THE LENGTH OF ACCEPTED GAP IN MAJOR STREAM

Elżbieta Macioszek, Grzegorz Sierpiński, Marcin Staniek
TRAFFIC FLOWS MANAGEMENT IN CITIES AND PLANNING VEHICLES ROUTES WITH APPLICATION OF ARTIFICIAL INTELLIGENCE METHODS

Andrzej Kubik, Katarzyna Turoń, Piotr Czech
THE USE OF APPLICATIONS AND INTERNET PORTALS FOR THE PROMOTION AND EDUCATION OF CAR-SHARING SERVICES

Piotr Soczówka
ASPECTS OF SAFETY OF ON ZEBRA-CROSSINGS

Elżbieta Macioszek, Marcin Staniek, Grzegorz Sierpiński
SOLLUTIONS FOR BICYCLE TRAFFIC - PROBLEMS AND ISSUES IN POLAND

Agata Kurek, Elżbieta Macioszek
AUTONOMOUS VEHICLES IN ROAD TRAFFIC - STATE OF THE ART

Agata Kurek, Elżbieta Macioszek
CURRENT PROGRESS IN THE SCOPE OF SMART SOLUTIONS IN AUTONOMOUS VEHICLES

Marek Drobny, Aleksander Sobota, Renata Żochowska
ANALYSIS OF THE TRANSPORT SERVICE OF AIRPORTS IN SELECTED EUROPEAN METROPOLITAN AREAS

Marcin Jacek Klos
METHODOLOGY FOR BUILDING TRAFFIC MICROSCOPIC SIMULATION WITH SUMO TOOL

Katarzyna Turoń, Piotr Czech, Andrzej Kubik
TRANSPORT INNOVATIONS IN CAR-SHARING SERVICES
DAY II

PANEL SESSION 2.1 (SAMBA+TANGO+SALSA HALLS)
MODELS AND ANALYSIS RELATED TO RAILWAY TRANSPORT

Chairman:

Anton Pashkevich – Palacký University Olomouc, Olomouc, Czech Republic

10.00 – 11.45 - presentations
11.45 – 12.00 - discussion

10.00 Oleg Chislov, Taras Bogachev, Alexandra Kravets, Victor Bogachev, Vyacheslav Zadorozhniy, Irina Egorova, Rostov State Transport University, Rostov-on-Don, Russia
Rostov State University of Economics, Rostov-on-Don, Russia
TIME PARAMETERS OPTIMIZATION OF THE EXPORT GRAIN TRAFFIC IN THE PORT RAILWAY TRANSPORT TECHNOLOGY SYSTEM

10.15 Rudolf Vávra, Vít Janoš
Czech Technical University in Prague, Prague, Czech Republic
LONG-DISTANCE RAILWAY PASSENGER TRANSPORT IN PRAGUE – DRESDEN/CHEB RELATIONS

10.30 Leszek Mindur, Maciej Mindur
International University of Logistics and Transport in Wrocław, Wrocław, Poland
Lublin University of Technology, Lublin, Poland

10.45 Oleg Chislov, Vyacheslav Zadorozhniy, Dmitry Lomash, Evgenia Chebotareva, Irina Solop, Taras Bogachev
Rostov State Transport University, Rostov-on-Don, Russia
Rostov State University of Economics, Rostov-on-Don, Russia
METHODOLOGICAL BASES OF MODELING AND OPTIMIZATION OF TRANSPORT PROCESSES IN THE INTERACTION OF RAILWAYS AND MARITIME TRANSPORT

11.00 Vladimir Chebotarev, Boris Davydov, Kseniya Kablovka, Vadim Gopkalo
Far Eastern Branch of the Russian Academy of Sciences, Khabarovsk, Russia
Far Eastern State Transport University, Khabarovsk, Russia
THE MODEL OF ARRIVAL TIME DISTRIBUTION FORMING IN THE DENSE VEHICLE FLOW

11.15 Piotr Soczówka, Renata Żochowska, Adrian Barchański
Silesian University of Technology, Katowice, Poland
NODES IN THE RAILWAY NETWORK AS POTENTIAL PLACES OF INTEGRATION OF PUBLIC TRANSPORT

11.30 Peter Dobeš, Libor Ižvotl, Stanislav Hodás
University of Žilina, Žilina, Slovakia
EXAMINING THE INFLUENCE OF RAILWAY TRACK ROUTING ON THE THERMAL REGIME OF THE TRACK SUBSTRUCTURE – EXPERIMENTAL MONITORING
RELATED TOPICS TO DISCUSS (DAY II)

Adrian Barchański
OVERVIEW OF THE METROPOLITAN RAILWAY SYSTEMS IN SELECTED AGGLOMERATIONS

Kamil Duda, Grzegorz Sierpiński
TRAFFIC ORGANIZATION PROBLEMS AT NON-SIGNALIZED INTERSECTIONS – CASE STUDY RELATED TO VISIBILITY DISTANCE AND ‘GIVE WAY’ AND ‘STOP’ ROAD SIGNS

Zbigniew Czapla
DESCRIPTION OF VEHICLE PASSAGE THROUGH THE MULTISEGMENT DETECTION FIELD

Ireneusz Celiński, Tomasz Celiński
MEASUREMENT OF ROAD TRAFFIC CHARACTERISTICS USING DRONES

Aleksander Król
THE ANALYSIS OF THE MOST SERIOUS ROAD TUNNEL ACCIDENTS

Adrian Barchański
ANALYSIS OF BEHAVIOUR AT PEDESTRIAN CROSSINGS

Ireneusz Celiński, Tomasz Celiński
PEDESTRIAN TRAFFIC MONITORING USING DRONES

Marcin Staniek, Piotr Czech
IMPACT ANALYSIS OF ROAD CLOSING ON DW941 FOR TOURIST TRAFFIC IN WISŁA CITY

Paulina Świerk, Agata Kurek, Elżbieta Macioszek
THE CONCEPT OF LOCATING NEW STATIONS OF THE MUNICIPAL BICYCLE SYSTEM IN THE GÓRNOŚLĄSKO - ZAGŁEBIOWSKA METROPOLIS

Aleksander Sobota, Renata Żochowska, Grzegorz Karoń, Piotr Soczówka
ANALYSIS OF FACTORS INFLUENCING THE MOBILITY IN URBAN AREAS

Marcin Staniek, Grzegorz Sierpiński
LOCATION METHOD OF CHARGING STATIONS FOR ELECTRIC VEHICLES WITH THE USE OF NEURAL NETWORKS

Grzegorz Karoń, Renata Żochowska, Aleksander Sobota, Piotr Soczówka
SHAPING OF THE SUSTAINABLE MOBILITY IN URBAN AREAS – THE PROCESS APPROACH

Grzegorz Sierpiński, Marcin Staniek
THE USE OF SPHERICAL CAMERAS FOR ROAD TRAFFIC MEASURING AND MONITORING

Aleksander Sobota, Daria Szypula
TYPICAL TYPES OF INTERSECTIONS IN CITIES
DAY II
POSTER SESSION 2.2 (TANGO+SALSA HALLS)
BEHAVIOR OF TRAVELERS – SELECTED PROBLEMS

Chairman:

Firas Alrawi – Urban and Regional Planning Center, University of Baghdad, Baghdad, Iraq

13.00 – 13.45 - presentations
13.45 – 13.55 - discussion

Feng Xie, Sebastian Naumann, Olaf Czogalla
Institute of Automation and Communication, Magdeburg, Germany
SPEED ADVISER FOR PEDESTRIANS TO CHOOSE THE OPTIMAL PATH AT SIGNALED INTERSECTIONS

Mateusz Rydlewski, Emilia Skupień
Wroclaw University of Science and Technology, Wroclaw, Poland
THE INFLUENCE OF THE TYPE OF TRAFFIC ORGANIZATION ON THE BEHAVIOR OF PEDESTRIANS AT TRAM TRACKS CROSSINGS

Wieslaw Pamula, Marcin Jacek Klos
Silesian University of Technology, Katowice, Poland
EVALUATION OF CHANGES IN DRIVERS BEHAVIOUR DUE TO INTRODUCTION OF COUNTDOWN TIMERS AT SIGNALIZED INTERSECTIONS USING UAV DATA

Behnam Bahmankhah, Paulo Fernandes, Jose Ferreira, Jorge Bandeira, Jose Santos, Margarida C. Coelho
University of Aveiro, Aveiro, Portugal
ASSESSING THE OVERTAKING LATERAL DISTANCE BETWEEN MOTOR VEHICLES AND BICYCLES – INFLUENCE ON ENERGY CONSUMPTION AND ROAD SAFETY

Andrzej Bąk, Katarzyna Nosal Hoy, Katarzyna Solecka
Cracow University of Technology, Kraków, Poland
MULTIPLE CRITERIA EVALUATION OF THE PLANNED BIKESHARING SYSTEM IN JAWORZNO

Katarzyna Turoń, Piotr Czech, János Tóth
Silesian University of Technology, Katowice, Poland
Budapest University of Technology and Economics, Budapest, Hungary
SAFETY AND SECURITY ASPECTS IN SHARED MOBILITY SYSTEMS

Peter Jenček
University of Ljubljana, Portorož, Slovenia
SAFETY ASPECTS OF FEMALE MOTORCYCLING IN SLOVENIA

Ireneusz Celiński
Silesian University of Technology, Katowice, Poland
STUDY OF CHARACTERISTICS OF ROAD TRAFFIC STREAMS IN PEDESTRIAN CROSSING - AFFECTED AREAS

Ireneusz Celiński
Silesian University of Technology, Katowice, Poland
SYNCHRONISATION OF ROAD TRAFFIC STREAMS
DAY II
POSTER SESSION 2.3 (SAMBA HALL)
TRAFFIC FLOWS – DATA COLLECTION AND ANALYSIS (PART I)

Chairman:

Aleksander Król – Silesian University of Technology, Katowice, Poland

13.00 – 13.45 - presentations
13.45 – 13.55 - discussion

Barbara Galińska, Jolanta Labuch, Dominik Malinowski
Lodz University of Technology, Łódź, Poland
SKN Experience, Łódź, Poland

IMPROVING THE CAPACITY OF SIGNALIZED INTERSECTION. USING SMART TRAFFIC CONTROL SYSTEMS SUPPORTED BY INNOVATIVE BEAM SENSORS
Grzegorz Sierpiński, Marcin Staniek
Silesian University of Technology, Katowice, Poland

TRAFFIC ORGANIZATION ISSUES AT SIGNALIZED INTERSECTIONS – CASE STUDY RELATED TO TRAFFIC DISTRIBUTION OVER LANES
Nan Kang, Yahiho Fujii, Tadashi Kawaguchi, Kentaro Kirito, Susumu Okuda, Shintaro Terabe
Tokyo University of Science, Noda, Japan
TOKEN C.E.E. Consultants Co. Ltd., Nagoya, Japan

DRIVER BEHAVIOR ANALYSIS AT ROUNDABOUT CONSIDERING GEOMETRY IMPACT BY APPLYING DRIVING SIMULATION
Elżbieta Macioszek
Silesian University of Technology, Katowice, Poland

ROUNDABOUTS IN JAPAN - SURVEYING, PROBLEMS AND ISSUES
Elżbieta Macioszek
Silesian University of Technology, Katowice, Poland

EMPIRICAL ANALYSIS OF GAP ACCEPTANCE PARAMETERS AT ROUNDABOUTS LOCATED IN TOKYO (JAPAN) AND THE TOKYO SURROUNDINGS
Elżbieta Macioszek
Silesian University of Technology, Katowice, Poland

ANALYSIS OF DRIVER BEHAVIOUR AT ROUNDABOUTS IN TOKYO AND THE TOKYO SURROUNDINGS
Marcin Jacek Kłos, Aleksander Sobota, Renata Żochowska, Piotr Soczówka
Silesian University of Technology, Katowice, Poland

TRAFFIC MEASUREMENTS FOR DEVELOPMENT A TRANSPORT MODEL
Adrian Barchański
Silesian University of Technology, Katowice, Poland

ANALYSIS OF CRITICAL GAP TIMES AND FOLLOW-UP TIMES AT SELECTED, MEDIAN, UNCONTROLLED T-INTERSECTIONS DIFFERENTIATED BY THE NATURE OF THE SURROUNDING
DAY II
POSTER SESSION 2.4 (TANGO+SALSA HALLS)
CONTEMPORARY TRANSPORT PROBLEMS

Chairman:

Barbara Galińska – Łódź University of Technology, Łódź, Poland

14.00 – 14.45 - presentations
14.45 – 15.00 - discussion

Izabela Skrzypczak, Wanda Kokoszka, Tomasz Pytlowany, Wojciech Radwański
Rzeszów University of Technology, Poland
Krosno State College, Polytechnic Institute, Poland
CONTROL CHARTS TO MONITORING FOR QUALITY CONCRETE PAVEMENTS

Izabela Skrzypczak, Wanda Kokoszka, Tomasz Pytlowany, Wojciech Radwański
Rzeszów University of Technology, Poland
Krosno State College, Polytechnic Institute, Poland
RESISTANCE PROBABILISTIC ANALYSIS OF RCC PAVEMENT

Paweł Buchwald, Artur Anus
WSB University, Dąbrowa Górnicza, Poland
Iconity sp. z. o. o., Katowice, Poland
SAFE IT SYSTEM TO ASSIST IN CONTROL OF SAFE LOCKER TRANSPORT LOADS

Marcin Staniek, Grzegorz Sierpiński
Silesian University of Technology, Katowice, Poland
CHARGING STATION DISTRIBUTION MODEL - THE CONCEPT OF USING THE LOCATIONS OF PETROL STATIONS IN THE CITY

Elżbieta Macioszek
Silesian University of Technology, Katowice, Poland
ELECTRIC VEHICLES - PROBLEMS AND ISSUES

Katarzyna Turoń, Grzegorz Sierpiński, János Tóth
Silesian University of Technology, Katowice, Poland
Budapest University of Technology and Economics, Budapest, Hungary
SUPPORT FOR PRO-ECOLOGICAL SOLUTIONS IN SMART CITIES WITH THE USE OF TRAVEL DATABASES – CASE STUDY BASED ON BIKESHARING SYSTEM IN BUDAPEST

Zbigniew Czapla
Silesian University of Technology, Katowice, Poland
VIDEO-BASED DISTANCE ESTIMATION FOR A STREAM OF VEHICLES

Ewelina Sendek-Matysiak
Kielce University of Technology, Kielce, Poland
ASSESSMENT OF BEVS USE IN URBAN ENVIRONMENT

Bartosz Bociaga
Silesian University of Technology, Katowice, Poland
ACTIONS FOR REDUCTION OF THE ENVIRONMENTAL IMPACT OF PUBLIC TRANSPORT IN THE GÓRNOŚLĄSKO-ZAGŁĘBIOWSKA METROPOLIS
DAY II

POSTER SESSION 2.5 (SAMBA HALL)

TRAFFIC FLOWS – DATA COLLECTION AND ANALYSIS (PART II)

Chairman:

Sebastian Naumann – Institute of Automation and Communication, Magdeburg, Germany

14.00 – 14.45 - presentations
14.45 – 15.00 - discussion

Jacek Chmielewski
University of Science and Technology, Bydgoszcz, Poland
IMPACT OF SUNDAY TRADE BAN ON TRAFFIC VOLUMES

Khalid Hardan Mhana Alwani
University of Anbar, Iraq
IMPROVING CAPACITY AND TRAFFIC OPERATION FOR AL-FURQAN INTERSECTION AT AL-FALLUJAH CITY (IRAQ)

Piotr Soczówka, Renata Żochowska, Aleksander Sobota, Marcin Jacek Kłos
Silesian University of Technology, Katowice, Poland
THE EFFECT OF DELIMITATION OF THE AREA ON THE ASSESSMENT OF THE DENSITY OF THE ROAD NETWORK STRUCTURE

Damian Iwanowicz, Jacek Chmielewski
University of Science and Technology, Bydgoszcz, Poland
ANALYSIS OF THE METHODS OF TRAFFIC EVALUATION AT THE APPROACHES OF URBAN SIGNALISED INTERSECTIONS

Firas Alrawi, Yousif Naji, Khaleel AlSaffar
Urban and Regional Planning Center, University of Baghdad, Baghdad, Iraq
SUGGESTED SOLUTIONS TO REDUCE TRAFFIC CONGESTION DURING RUSH HOURS IN AL-JADRIYA INTERSECTION

Firas Alrawi, Amna Ali
Urban and Regional Planning Centre, University of Baghdad, Baghdad, Iraq
ANALYSIS OF THE RELATIONSHIP BETWEEN TRAFFIC ACCIDENTS WITH HUMAN AND PHYSICAL FACTORS IN IRAQ

Jan Filipczyk
Silesian University of Technology, Katowice, Poland
FACTORS AFFECTING THE SAFETY OF CYCLING IN URBAN AND EXTRA-URBAN TRAFFIC

Elżbieta Macioszek, Agata Kurek
Silesian University of Technology, Katowice, Poland
SKN Signalis, Silesian University of Technology, Katowice, Poland
ANALYSIS OF ROUNDABOUTS ENTRY CAPACITY LOCALIZED ON ONE OF THE MAIN ROAD IN SOSNOWIEC CITY (POLAND) - CASE STUDY

Agata Kurek, Jakub Jużyniec
SKN Signalis, Silesian University of Technology, Katowice, Poland
SIDE COLLISIONS CAUSES – CASE STUDY BASED ON CHOSEN INTERSECTIONS IN SOSNOWIEC CITY
DAY III
PANEL SESSION 3.1 (SAMBA+TANGO+SALSA HALLS)
ELECTROMOBILITY AND PUBLIC TRANSPORT – CURRENT PROBLEMS AND ISSUES
Chairman:

Kaan Yildizgöz – International Association of Public Transport-UITP, Brussels, Belgium

10.00 – 11.45 - presentations
11.45 – 12.00 - discussion

10.00 Marcin Wołek, Katarzyna Hebel
University of Gdańsk, Gdańsk, Poland
STRATEGIC PLANNING OF THE DEVELOPMENT OF TROLLEYBUS TRANSPORTATION WITHIN THE CITIES OF POLAND

10.15 Sebastian Naumann, Christian Hübner
Institute of Automation and Communication, Magdeburg, Germany
SCHEDULING AND BALANCING OF ELECTRIC BUSES’ CHARGING OPERATIONS IN PUBLIC TRANSPORTATION

10.30 Teresa Pamuła, Stanisław Krawiec
Silesian University of Technology, Katowice, Poland
ELECTRIC BUSES: A REVIEW OF SELECTED CONCEPTS SOLUTIONS AND CHALLENGES

10.45 Olaf Czogalla, Sebastian Naumann
Institute of Automation and Communication, Magdeburg, Germany
EVALUATION OF ALTERNATIVES FOR REALIZATION OF OPPORTUNITY CHARGING AT TRANSIT STOPS BY ANALYZING THE POWER GRID

11.00 Firas Alrawi, Ali Alali, Sarah Alaa, Shuroq Saad, Araz Ameer
Urban and Regional Planning Centre, University of Baghdad, Baghdad, Iraq
THE IMPACT OF SHIFTING TOWARDS ECO-FRIENDLY TRANSPORTATION AT THE UNIVERSITY OF BAGHDAD, AL-JADRIYA CAMPUS (UBAC)

11.15 Grzegorz Krawczyk, Jerzy Wojciechowski
Kazimierz Pulaski University of Technology and Humanities in Radom, Radom, Poland
IMPROVING CHOSEN ELEMENTS OF ENERGY EFFICIENCY IN PUBLIC TRANSPORT THROUGH THE USE OF SUPERCAPACITORS

11.30 Viacheslav Bondarenko, Dmytro Skurikhin, Jerzy Wojciechowski
Ukrainian State University of Railway Transport, Kharkiv, Ukraine
Kazimierz Pulaski University of Technology and Humanities in Radom, Radom, Poland
THE APPLICATION OF LITHIUM-ION BATTERIES FOR POWER SUPPLY OF RAILWAY PASSENGER CARS AND KEY APPROACHES FOR SYSTEM DEVELOPMENT
DAY III
PANEL SESSION 3.2 (SAMBA+TANGO+SALSA HALLS)
DECISION SUPPORT METHODS AND TOOLS FOR TRANSPORT SYSTEMS
Chairman:

Marcin Wołek – University of Gdańsk, Gdańsk, Poland

13.00 – 14.45 - presentations
14.45 – 15.00 - discussion
15.00 – 15.30 Closing of the TSTP2019 Conference

13.00 Kaan Yıldızgöz, Hüseyin Murat Çelik
International Association of Public Transport-UITP, Brussels, Belgium
Institute of Science and Technology, Istanbul Sabahattin Zaim University, Istanbul, Turkey
Istanbul Technical University, Istanbul, Turkey
HOW TO LEVEL THE PLAYING FIELD FOR RIDE-HAILING AND TAXIS

13.15 Barbara Galińska
Łódź University of Technology, Łódź, Poland
MCDM AS THE TOOL OF INTELLIGENT DECISION MAKING
IN TRANSPORT. CASE STUDY ANALYSIS

13:30 Izabela Skrzypczak, Wanda Kokoszka, Tomasz Pytlowany, Wojciech Radwański
Rzeszów University of Technology, Poland
Krosno State College, Polytechnic Institute, Poland
AHP AS A METHOD SUPPORTING THE DECISION-MAKING PROCESS
IN THE CHOICE OF ROAD BUILDING TECHNOLOGY

13:45 Irina Makarova, Ksenia Shubenkoa, Larisa Gabsalikhova, Gulnaz Sadygoa, Eduard Mukhametdinov
Kazan Federal University, Naberezhnye Chelny, Russian Federation
WAYS TO IMPROVE SUSTAINABILITY OF THE CITY TRANSPORT SYSTEM
IN THE MUNICIPAL GAS-ENGINE VEHICLES’ FLEET GROWTH

14:00 Vitalii Naumov, Hanna Vasiutina, Jakub Starczewski
Cracow University of Technology, Kraków, Poland
Jagiellonian University, Kraków, Poland
WEB PLANNING TOOL FOR DELIVERIES BY CARGO BICYCLES
IN KRAKÓW OLD TOWN

14:15 Grzegorz Sierpiński
Silesian University of Technology, Katowice, Poland
ELECTRIC TRAVELLING PROJECT AS SUPPORT FOR ELECTROMOBILITY
IMPLEMENTATION

14:30 Marcin Jacek Klos, Aleksander Sobota
Silesian University of Technology, Katowice, Poland
PERFORMANCE EVALUATION OF RONDBOUDTS USING
A MICROSCOPIC SIMULATION MODEL
RELATED TOPICS TO DISCUSS (DAY III)

Aleksander Król
APPLICATION OF THE GENETIC ALGORITHM FOR OPTIMIZATION OF THE LAYOUT OF BUS STOPS

Marcin Staniek, Elżbieta Macioszek
ASSESSMENT OF PUBLIC TRANSPORT SERVICES WITH THE USE OF S-MILESYS

Renata Żochowska
DECISION PROBLEMS IN THE PLANNING OF A TEMPORARY TRAFFIC ARRANGEMENT IN URBAN NETWORK

Ireneusz Celiński, Tomasz Celiński
FOOTAGE STABILIZATION TEST IN THE METHOD FOR MEASURING TRAFFIC PARAMETERS USING DRONES

Adrian Barchański
TRENDS IN INTERCHANGES, TYPES, INTEGRATION - STATE OF THE ART

Jakub Jużyeniec, Agata Kurek, Elżbieta Macioszek
THE IMPACT OF SOUND EMITTED BY ELECTRIC CARS ON ROAD SAFETY

Renata Żochowska
MULTI-CRITERIA DECISION SUPPORT IN CHOOSING THE VARIANT OF TEMPORARY TRAFFIC ARRANGEMENT DURING ROADWORKS

Piotr Soczówka
THE ROLE OF PUBLIC TRANSPORT IN SHAPING OF SUSTAINABLE MOBILITY

Paulina Świerk, Agata Kurek
OPTIMIZATION OF NETWORK OF PUBLIC TRANSPORT IN THE AREA OF THE INTERCHANGE NODES LOCATED IN KATOWICE

Teresa Pamuła
ANALYSIS OF ENERGY CONSUMPTION BY ELECTRIC BUSES ON DIFFERENT LINES

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BATTERY MANAGEMENTS SYSTEMS FOR ELECTRIC CARS

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SPATIAL MAPPING SYSTEM OF ROAD INFRASTRUCTURE

Bartosz Wyderka, Agata Kurek, Jakub Jużyeniec
ITS APPLICATIONS SUPPORTING TRAVEL PLANNING AND INFORMATION ON TRAFFIC CONDITIONS - A CASE STUDY ON THE EXAMPLE OF POLISH CITIES
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