

7th INTERNATIONAL CONFERENCE  
"Towards a Humane City"  
Environmentally Friendly Mobility

# CONFERENCE PROGRAMME

Novi Sad, 6th and 7th December 2019  
Chamber of Commerce and Industry of Vojvodina



ORGANIZED BY:



University of Novi Sad  
Faculty of Technical Sciences  
Department of Traffic Engineering



REPUBLIC OF SERBIA  
AUTONOMOUS PROVINCE OF VOJVODINA  
PROVINCIAL SECRETARIAT FOR ENERGY,  
CONSTRUCTION AND TRANSPORT



Association

## Humane City



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## 6<sup>th</sup> December 2019, Friday

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**09:00 – 10:00** Registration of participants

**10:00 – 10:30** **OPENING (Hall No.1)**

**10:45 – 11:45** Invited lectures (Hall No.1)

**Dušan Savković**

THE GREEN CITY ACTION PLAN (GACP) – METHODOLOGY

**Vuk Bogdanović**

SMART PLAN NOVI SAD

**11:45 – 12:15** Coffee break

**12:15 – 14:00** Round-table discussion about SUMP (Hall No.1)

**14:00 – 15:00** Lunch break

**15:00 – 16:30** Presentations – Group of articles 1: Urban mobility policy (Hall No.1)

**Luka Mladenović, Aljaž Plevnik**

CHALLENGES OF BETTER SPATIAL AND TRANSPORT PLANNING INTEGRATION IN SLOVENIA

**Vuk Bogdanović, Valentina Mirović, Slavko Davidović**

SUMP FOR THE CITY OF BANJA LUKA

**Slavko Davidović, Slaviša Sandić**

THE CITY OF BANJA LUKA – CHALLENGES OF SUSTAINABLE MOBILITY

**Jovan Hristoski, Goran Jovanović, Andon Petrovski, Olivera Petrovska**

SUSTAINABLE URBAN MOBILITY PLAN FOR MUNICIPALITY OF VELES 2019-2030

**Marko Stančec, Lidija Pavić-Rogošić**

SUMPS, ACTIVE MOBILITY AND SAFETY

**Hamid Mehinović, Hamdija Mujezin, Osman Lindov**

ENHANCING COMPETITIVENESS AND INNOVATION IN THE GREEN AND SMART MOBILITY

**Ratomir Vračarević, Vuk Bogdanović, Valentina Mirović, Nenad Ruškić,**

**Nemanja Garunović, Nenad Saulić, Milun Miličević, Vladimir Raković**

TRANSPORTATION STUDY FOR THE CITY OF KRAGUJEVAC

**Miloš Spasić, Marko Veličković, Đurđica Stojanović**

THE IMPACT OF DOUBLE-PARKED DELIVERY VEHICLES ON TRAFFIC CONGESTION IN URBAN AREAS

**Vladimir Ilin, Dragan Simić**

BARRIERS TO THE DEVELOPMENT OF HUMANE CITY OF NOVI SAD

Presentations – Group of articles 2: New mobility services, technologies and tools (Hall No.2)

**Harald Fray, Barbara Laa, Edeltraut Haselsteiner, Verena Madner, Lisa-Maria Grob, Katja Schwaigerlehner**

THE VERTICAL URBAN FACTORY CONCEPT AND SUSTAINABLE TRANSPORT – PROTOTYPES FOR EUROPEAN CITIES

**Ljupko Šimunović, Mario Ćosić, Julijan Jurak, Matija Sikirić**

OVERVIEW OF THE IMPLEMENTATION OF ACTIVITY-BASED MODELS IN CITY PLANNING

**Saša Petar, Dino Valeš, Fitim Kurti**

APPLICATION OF SMART CONCEPT IN SMALL CITIES (EXAMPLE: CROATIA)

**Vanja Đurđević, Dubravko Aleksić, Tanja Trkulja**

SUSTAINABLE STRATEGIES FOR DEVELOPING BANJA LUKA AS A CITY FOR PEDESTRIANS AND CYCLISTS

**Ana Trpković, Branimir Stanić, Slaven Tica, Sreten Jevremović, Predrag Živanović**

MICROMOBILITY REVOLUTION - CHALLENGES AND POTENTIALS

**Dragana Petrović, Vladimir Đorić, Ivan Ivanović**

METHODOLOGY FOR THE NATIONAL HOUSEHOLD TRAVEL SURVEY IN THE REPUBLIC OF SERBIA

**Osman Lindov, Boran Pikula**

ELECTROMOBILITY MODELS AND SUSTAINABLE URBAN DEVELOPMENT – CASE STUDY SARAJEVO

**Aleksandar Mastilović, Osman Lindov**

URBAN SUSTAINABILITY AND SMART STREET LIGHTS – CASE STUDY SARAJEVO

**Vuk Bogdanović, Valentina Mirović, Jelena Mitrović Simić, Nemanja Garunović,**

**Ana Vujičić, Miodrag Počuć, Igor Vukobratović**

IMPROVEMENT OF PARKING CONDITION ON THE TAXI STANDS IN THE CITY OF NOVI SAD – CASE STUDY

**16:30 – 16:45** Coffee break

**16:45 – 18:30** Presentations – Group of articles 2: New mobility services, technologies and tools (Hall No.2)

**Beti Angelevska, Vaska Atanasova, Aleksandar Markoski**

PUBLIC FIGHT VS AIR POLLUTION: IS THE MONITORING SYSTEM A FIRST STEP FOR AIR QUALITY MANAGEMENT IN THE TOWN OF BITOLA

**Jelena Simičević, Vladimir Molan, Nada Milosavljević**

INFORMAL PARK-AND-RIDE BEHAVIOUR

**Marko Stanković**

OPPORTUNITIES OF INTELLIGENT TRANSPORTATION SYSTEMS FOR PUBLIC TRANSPORTATION

**Draženko Glavić, Marina Milenković**

ELECTRIC MICRO MOBILITY VEHICLES TECHNOLOGIES OPPORTUNITIES  
ASSESSMENT AND FORECAST

**Zoran Pavlović**

USER'S ABILITY TO USE INTERNET TECHNOLOGIES IN TRANSPORT

**Drago Ezgeta, Mustafa Mehanović, Ahmed Ahmić**

THE ROLE OF ITS ARCHITECTURE IN THE DIGITIZATION OF TRANSPORT IN SMART  
CITY

**Ralph Gambetta, Danijela Barić**

OPEN SOURCE TICKETING ENHANCING MOBILITY AS A SERVICE SCHEMES

**Marko Slavulj, Julijan Jurak, Matija Sikirić, Marko Emanović, Matija Vuger**

OPTIMIZATION OF VEHICLE TESTING CENTER LOCATIONS IN ZAGREB COUNTY

**Bojan Jovanović, Dragana Šarac, Nikola Trubint, Nataša Čačić**

REORGANIZATION OF THE POSTAL SECTOR AT URBAN AREAS

**Ivana Milenković, Milica Miličić, Tatjana Savković, Pavle Pitka**

EFFECTS OF AUTONOMOUS VEHICLES TECHNOLOGY USAGE

**20:00 – 00:00**

Conference dinner

**Restaurant "Fontana"**

Nikole Pašića 27, Novi Sad

Scan QR code to view  
restaurant address on

Google Maps®



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## 7<sup>th</sup> December 2019, Saturday

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**10:00 – 11:30** Lectures/workshop 1 (Hall No.1)

**Tamara Đukić, Aleksandar Jevđenić**

MACROSIMULATION MODELS

Presentations – Group of articles 3: Public transport organization (Hall No.2)

**Miroslava Kaluđerović, Slađana Stanković, Mara Dabović, Suzana Mazić**

REORGANIZATION AND DEVELOPMENT OF TROLLEYBUS SUBSYSTEM IN BELGRADE

**Istvan Csuzi**

THE E-BUS: ECONOMIC OR/AND ECO FRIENDLY ALTERNATIVE

**Steve Wright, Caitlin Cottrilla, Lidia Salab, Michele Masnatac,**

**Pasquale Cancellara**

NEW MOBILITY SOLUTIONS TO FIGHT TRANSPORT POVERTY AND EXCLUSION IN EUROPEAN CITIES AND REGIONS

**Davor Brčić, Marko Slavulj, Dino Šojat, Božo Radulović**

ANALYSIS OF TAXI TRANSPORTATION IN TOURIST CENTRES

**Ilija Perić, Milan Stanković, Pavle Gladović, Dejan Bogičević**

INCREASING MOBILITY OF POPULATION IN SUBURBAN SETTLEMENTS THROUGH OPTIMIZATION OF PUBLIC TRANSPORT LINES

**Predrag Anđelković, Pavle Pitka, Milan Simeunović, Milica Miličić,**

**Tatjana Savković**

INTEGRATION OF PUBLIC PASSENGER TRANSPORT AND CYCLING

**Milja Simeunović, Zoran Papić, Duško Jakšić**

SMART BUS STOPS

**Milan Lazarević, Milan Simeunović, Dejan Radivojev**

INDICATORS OF SERVICE QUALITY IN PASSENGER PUBLIC TRANSPORT ON THE TERRITORY OF STARA PAZOVA

**11:30 – 12:00** Invited lectures (Hall No.1)

**Andree Woodcock**

STEPS ALONG THE WAY TO SUSTAINABLE, INCLUSIVE AND ACCESSIBLE TRANSPORT

**12:00 – 12:30** Coffee break

**12:30 – 13:00** Invited lectures (Hall No.1)

**Gradimir Stefanović**

TRAM-TRAIN TECHNOLOGY – REVIEW AND DEVELOPING POSSIBILITIES

**13:00 – 14:30** Lectures/workshop 2 (Hall No.1)

**Žarko Anđić**

MESOSCOPIS MODELING USING SIMULATION BASED ASSIGNMENT

**Aleksandar Panjković, Nemanja Garunović, Nenad Saulić**

MICROSIMULATION MODELS

Presentations – Group of articles 4: Traffic safety (Hall No.2)

**Sonja Peričević-Medić, Milorad Španović, Ivan Mikov**

THE IMPORTANCE OF AGING AND REACTION TIMES FOR TRAFFIC SAFETY

**Biljana Ranković Plazinić, Marijana Pantić**

EXCLUSIVE PEDESTRIAN PHASES AS A MEASURE TO IMPROVE PEDESTRIAN SAFETY ON SIGNALIZED INTERSECTIONS

**Predrag Brlek, Ljudevit Krpan, Ivan Cvitković, Krunoslav Lukačić**

ANALYSIS OF TRAFFIC ACCIDENTS OF YOUNG DRIVERS IN URBAN AREAS AND MEASURES TO INCREASE SAFETY

**Željko Šarić, Goran Zovak, Danijel Brkić, Tomislav Kučinić**

ANALYSIS CHARACTERISTIC OF HAZARDOUS LOCATIONS IN URBAN ENVIRONMENTS

**Andrijana Jović, Zoran Papić, Milan Simeunović, Nenad Saulić**

PEDESTRIANS CROSSING SPEED AND INFLUENTIAL FACTORS

**Sandra Nemet, Dragan Kukulj, Dragan Jovanović, Gordana Ostojić,**

**Stevan Stankovski**

IDENTIFICATION OF INFLUENCING ATTRIBUTES FOR THE TRAFFIC ACCIDENT SEVERITY PREDICTION MODEL

**Boško Matović, Miloš Pljakić, Aleksandar Bulajić, Predrag Stanojević,**

**Svetlana Bačkalić**

FACTOR STRUCTURE OF THE DRIVING ANGER SCALE AMONG SERBIAN DRIVERS

**Dragan Jovanović, Dragan Kukulj, Nikola Jorgovanović, Darko Stanišić,**

**Boško Matović**

THE SPATIAL DISTRIBUTION OF ROAD ACCIDENTS AND THEIR CONSEQUENCES IN THE AREA OF AP VOJVODINA

**14:30 – 15:00** Closing session (Hall No.1)



### Legend:

- 1** Conference Venue
- 2** Conference Dinner Venue
- 3** Hotel "NOVI SAD"

**Conference Venue**  
Chamber of Commerce and Industry of Vojvodina  
Hajduk Veljkova 11, Novi Sad

**Conference Dinner Venue**  
Restaurant "Fontana"  
Nikole Pašića 27, Novi Sad

**Hotel "NOVI SAD"**  
Bulevar Jaše Tomića 1, Novi Sad



WITH SUPPORT:



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CITY OF BANJA LUKA

City of Banja Luka



GRADSKA UPRAVA  
GRADA BEOGRADA  
SEKRETARIJAT  
ZA JAVNI PREVOZ

Administration of the  
City of Belgrade  
Secretariat for Public Transport



Regional development  
agency SREM



The Public City Transport  
Enterprise of Novi Sad



PUC "Parking servis"  
Novi Sad



Serbian Chamber  
of Engineers



1919  
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CHAMBER OF COMMERCE AND INDUSTRY OF VOJVODINA

Chamber of Commerce and  
Industry of Vojvodina

UNDER THE AUSPICE OF:



REPUBLIC OF SERBIA  
AUTONOMOUS PROVINCE OF VOJVODINA  
ASSEMBLY OF THE AUTONOMOUS  
PROVINCE OF VOJVODINA



Град Нови Сад  
City of Novi Sad

