

## INFORMATION FOR PARTICIPANTS

### OF THE SMART CITIES SYMPOSIUM PRAGUE 2015

#### 1. THE SYMPOSIUM OPENING CEREMONY

The opening ceremony will commence on Wednesday, June 24, 2015 at 9:00 a.m. in the Hall A. Participants are kindly requested to be seated by that time in order for the opening ceremony to start on time.

#### 2. REGISTRATION

Each participant attending the SCSP2015 must have a conference badge. Please, wear your badge in the symposium venue at all times. Participants' badges are blue and organizers' badges are red.

The registration desk will be opened during the whole symposium in the *Cafeteria*.

Please, do not hesitate to contact the organizing team for help.

#### 3. SEATING ARRANGEMENTS

There will be unreserved seating in Hall A and Hall B. However, the front rows may be reserved for upcoming and invited speakers or VIP guests.

#### 4. INTERNET CONNECTION

Wi-Fi connection will be provided in Hall A and in surrounding areas. Password will be announced at the registration desk upon registration.

#### 5. USE OF CELL PHONE

Participants are kindly requested to keep their cell phones switched off or in silent mode inside the conference rooms.

#### 6. COFFEE BREAKS AND LUNCH

All coffee breaks will take place in the *Cafeteria* and are open to all participants of the symposium.

Lunch on Wednesday and Thursday will be catered only to participants with "Lunch Voucher".

The voucher will be provided in the registration package.

Please respect the timing of the coffee breaks and lunches.

#### 7. HALL B LOCATION

The Section B located in "Hall B" will take place in the lecture room A320 in the adjacent building. Please, follow the chairman of the Section B or contact our organizing team for help.

#### 8. GALAEVENING EVENT – VLTAVA RIVER CRUISE

Departure: *June 24, 2015 at 7:30 p.m.*, Pier No. 5, Dvořák Embankment next to the Čech Bridge (opposite Hotel Intercontinental). Please, respect the departure time, the ship will leave exactly at 7:30 p.m.

Dress code: casual, return at 9:30 p.m.

For directions to the pier, please contact our registration desk.

The SCSP organizing team is ready to help you in case of any questions or problems, please do not hesitate to contact its members during the symposium directly or in urgent cases on the phone: +420 777 82 66 52

Day 1 – June 24, 2015

HALL A

<b>8:30</b>	<b>9:00</b>	<b>Registration   Cafeteria</b>	
<b>9:00</b>	<b>9:35</b>	<b>Opening Speeches   Chairman: Prof. Miroslav Svítek   Hall A</b>	
		Prof. Petr Konvalinka (Rector of the Czech Technical University in Prague)	
		Mr. Petr Dolínek (City of Prague)	
		Dr. Javier Samper Zapater (University of Valencia)	
		Assoc. Prof. Miloslav Hetteš (ICSW Europe)	
		Assoc. Prof. Ondřej Příbyl (Czech Technical University in Prague)	
<b>9:35</b>	<b>10:55</b>	<b>Session 1: Scope and Coverage of Smart Cities   Chairman: Prof. Miroslav Svítek   Hall A</b>	
9:35	9:55	Sustainable Urbanism and Regenerative Cities	Ms. Porie Saikia-Eapen (MTA, New York)
9:55	10:15	Smart Urbanism for Smart Cities	Michal Postránecký, M.Arch. (GEN61)
10:15	10:35	An Overview of GeoSimulation for Smart City Planning, Design, and Operations	Prof. Konstadinos Goulias (University of California, Santa Barbara)
10:35	10:55	Smart Buildings and Bridge Structures	Prof. Carlos Ferregut (The University of Texas at El Paso)
<b>10:55</b>	<b>11:25</b>	<b>Coffee Break   Cafeteria</b>	
<b>11:25</b>	<b>12:45</b>	<b>Session 2: System Approach to Smart Cities I   Chairman: Prof. Carlos Ferregut   Hall A</b>	
11:25	11:35	Smart City Písek - The Beginning of Smart Living	Eva Charvátová, M.Sc. (Technology Center Písek)
11:35	11:45	Smart City Písek - Pilot Czech Smart City	Jaroslav Žlábek, M.Sc. (Schneider Electric)
11:45	12:05	Smart and Decentralized Energy as a Part of Complex Energy System	Hynek Beran, M.Sc. (CIIRC)
12:05	12:25	System Alliances as a Tool for Solving Smart Cities Problems	Assoc. Prof. Vít Fábena (Czech Technical University in Prague)
12:25	12:45	Definition of a Smart Street - Smart City's Building Element	Prof. Pavel Příbyl (Czech Technical University in Prague)
<b>12:45</b>	<b>13:30</b>	<b>Business Lunch   Cafeteria</b>	
<b>13:30</b>	<b>15:10</b>	<b>Session 3a: Best Practices for Smart Cities   Chairman: Dr. Luis Felipe Herrera Quintero   Hall A</b>	
13:30	13:50	Smart Cities as a University Common Talk: The Case of UNIZA	Dr. Karl Ernst Ambrosch (University of Žilina)
13:50	14:10	IEEE Smart Cities Initiative: Guadalajara Pilot Program Experience	Dr. Victor Manuel Larios Rosillo (University of Guadalajara)
14:10	14:30	Wastewater Treatment Plants with Vertical Farms for Smart Cities	Ing. Ivan Bidenko, Ph.D. (Environment Commerce CZ s.r.o.)
14:30	14:50	ITS/Traffic Management Project for Gauteng (Johannesburg-Pretoria Area) in South Africa	Rudolf Franz Heidt, M.Sc. (STRABAG)
14:50	15:10	Smart Cities approach in Colombian Context	Dr. Luis Felipe Herrera Quintero (Piloto University of Colombia)
<b>15:10</b>	<b>15:55</b>	<b>Coffee Break   Cafeteria</b>	
		<b>Charging Pole Christening   Main Entrance</b>	
		<b>Individual Visit of Transportation Lab and Vehicle Simulator</b>	
<b>15:55</b>	<b>17:15</b>	<b>Session 4a: Strategy for Smart Cities Implementation   Chairman: Prof. Zdeněk Votruba   Hall A</b>	
15:55	16:15	Individual Perception of Smart City Strategies	Assoc. Prof. Ondřej Příbyl (Czech Technical University in Prague)
16:15	16:35	Wireless Communication Infrastructure for Smart Cities in Practise	Šimon Chudoba (IQRF Alliance)
16:35	16:55	A Conceptual Proposal for an Expert System to Analyse Smart Policy Options for Urban CEP Transports	Dr. Stefan Schroeder (German Aerospace Center)
16:55	17:15	Flywheel energy storage retrofit system for hybrid and electric vehicles	Dr. Jan Plomer (Czech Technical University in Prague)
<b>17:15</b>	<b>17:20</b>	<b>1st Symposium Day Closing</b>	
<b>19:30</b>	<b>Symposium Social Event &amp; Dinner (by invitation only)</b>		

Day 1 – June 24, 2015

HALL B

<b>13:30</b>	<b>15:10</b>	<b>Session 3b: Human Components of Smart Cities</b>   Chairman: Assoc. Prof. Petr Bouchner   Hall B	
13:30	13:50	Research Lines of the Postgraduate in Computer Science in the Sergipe State of Brazil	Dr. Rogério PC do Nascimento (Brazil Federal University in Sergipe)
13:50	14:10	The Use of Vehicle Manoeuvre Test Data for Forming and Approval of Physical Model	Josef Mík, M.Sc. (Czech Technical University in Prague)
14:10	14:30	Driver Drowsiness and Fatigue	Alina Mashko, M.Sc. (Czech Technical University in Prague)
14:30	14:50	Dynamic Human-Machine Interface for Electrical Vehicle Design Guidelines	Dmitry Rozhdestvenskiy, M.Sc. (Czech Technical University in Prague)
14:50	15:00	Smart Grids for Smart Cities	Stanislav Votruba, M.Sc. (PRE Group)
15:00	15:10	Nissan and Electromobility	Marek Šafarčík (NISSAN Europe)
<b>15:10</b>	<b>15:55</b>	<i>Coffee Break   Cafeteria</i> <i>Charging Pole Christening   Main Entrance</i> <i>Individual Visit of Transportation Lab and Vehicle Simulator</i>	
<b>15:55</b>	<b>17:15</b>	<b>Session 4b: Better Cities for Better Life</b>   Chairman: Assoc. Prof. Petr Bouchner   Hall B	
15:55	16:15	Smart City - Traffic Solution of the Future	Jan Kapusta M.Sc. (University of Žilina)
16:15	16:35	Water revitalization - Project POSEIDON	Zbigniew Cyganowski (Celtic Nature)
16:35	16:55	Analysis and Modelling Methods of Urban Integrated Information System of Transportation	Dr. Csaba Csiszár (Budapest University of Technology and Economics)
16:55	17:15	Blue Energy in the Future - EnergyStorage	Mgr. Igor Barna (EMEL Spol. s r.o.)
<b>17:15</b>	<b>17:20</b>	<i>1st Symposium Day Closing</i>	
<b>19:30</b>	<b>Symposium Social Event &amp; Dinner</b> (by invitation only)		

Day 2 – June 25, 2015

HALL A

<b>8:30</b>	<b>9:00</b>	<b>Registration</b>   Cafeteria	
<b>9:00</b>	<b>10:40</b>	<b>Session 5: Cyberplatform for Smart Cities</b>   Chairman: Assoc. Prof. Ondřej Příbyl   Hall A	
9:00	9:20	Efficient use of resources	Martin Kuit, M.Sc. MBA (SVP NESS)
9:20	9:40	Variable Selection for Prediction of Time Series from Smart City	Dr. Martin Macaš (CIIRC)
9:40	10:00	Smarter Traffic Control for Middle-Sized Cities Using Adaptive Algorithm	Dr. Zuzana Bělinová (Czech Technical University in Prague)
10:00	10:20	System Approach to Study of Traffic Accidents with Hazardous Substances Accidents	Assoc. Prof. Danuše Procházková (Czech Technical University in Prague)
10:20	10:40	To the Issue of Qualitative Control of Traffic Flows	Dr. Oksana Kostyuchenkova (Kazakh Agro Technical University)
<b>10:40</b>	<b>11:25</b>	<i>Coffee Break</i>   Cafeteria <i>Poster Session</i>   Library	
<b>11:25</b>	<b>12:45</b>	<b>Session 6: Smart City as a Complex System</b>   Chairman: Dr. Tomáš Horák   Hall A	
11:25	11:45	Smart Region as a Complex System and Some Notes to its Design	Prof. Jiří Bíla (Czech Technical University in Prague)
11:45	12:05	On the development of urban adaptation strategies using Ecosystem-based approaches to adaptation	Dr. Přemysl Derbek (Czech Technical University in Prague)
12:05	12:25	Behavioral Approach to Modeling Residential Mobility in the Prague Metropolitan Region	Dr. Jakub Vorel (Czech Technical University in Prague)
12:25	12:45	Optimization of Routes of City Passenger Transport in the Regional Centers in Russia	Prof. Alexander Novikov (Orel State Technical University)
<b>12:45</b>	<b>13:30</b>	<i>Business Lunch</i>   Cafeteria	
<b>13:30</b>	<b>15:10</b>	<b>Session 7: Building Blocks of Smart cities</b>   Chairman: Prof. Konstadinos Goulias   Hall A	
13:30	13:50	Better Cities for Better Life	Ivo Vaněk, M.Sc. (International Climate Observatory- NGO)
13:50	14:10	Photocatalytic Air Depollution in Contaminated Cities - Creating Healthy Environments	Dr. Pavel Šeřil (Advanced Materials-JTJ)
14:10	14:30	Advanced VANET Routing Design	Martin Šrotýř, M.Sc. (Czech Technical University in Prague)
14:30	14:50	Prediction Diagnostic for Smart Cities Systems	Prof. Mirko Novák (Czech Technical University in Prague)
14:50	15:10	Efficient Fine-grained Analysis of Urban Transport Accessibility	Dr. Michal Jakob (Czech Technical University in Prague)
<b>15:10</b>	<b>15:30</b>	<i>Short coffee break</i>   Cafeteria	
<b>15:30</b>	<b>16:15</b>	<b>Round Table and Symposium Closing</b>   Moderator: Prof. Konstadinos Goulias   Hall A	
		Summary of Chairmen of Particular Sessions	All chairmen
		Discussion	All participants
		Concluding Words	Prof. Miroslav Svátek / Assoc. Prof. Ondřej Příbyl

## POSTER SESSION

Day 2 - June 25, 2015, 10:40 a.m. in the Library

ID-1	Prediction System of Occupancy of Parking Spaces	Martin Šrotýř, M.Sc. (Czech Technical University in Prague)
ID-2	Optimization of a Spare Parts Distribution System Using a Genetic Algorithm	Alena Rybičková, M.Sc. (Czech Technical University in Prague)
ID-3	Mixture-based Cluster Detection in Driving-Related Data	Krzysztof Urbaniec, B.E. (Czech Technical University in Prague)
ID-4	A New Perspective on the Planning of Parking Spaces	Assoc. Prof. Josef Kocourek (Czech Technical University in Prague)
ID-5	Smart Cities as Complexity Management	Tomáš Peltan, M.Sc. (Czech University of Life Sciences Prague)
ID-6	Energy Simulation and Prediction in City Transportation	Tomáš Kučera, M.Sc. (Czech Technical University in Prague)
ID-7	Using methods of Earth Observing in Smart Cities	Ilya Zatsepin, M.Sc. (Czech Technical University in Prague)
ID-8	Service Quality of Train System for Visually Impaired Persons	Dr. Michal Jeřábek (Czech Technical University in Prague)
ID-9	Use of ICT in the Smart Cities. A practical case applied to the Traffic management in Valencia City	Dr. Marta Pla-Castell (University of Valencia)
ID-10	Sensor Network for Environmental and Traffic related Measurements	Jan Koptiva, M.Sc. (Czech Technical University in Prague)
ID-11	Testing, Troubleshooting and Modelling Tools for Communication Part of Smart Grid	Assoc. Prof. Jiřř Vodrářka (Czech Technical University in Prague)
ID-12	Data Transfer of Vehicle Indicators for Processing in Data-Center	Shong Baigozhaev, M.Sc. (L.N. Gumilyov Eurasian National University)
ID-13	Detection of persons in a vehicle using IR cameras and RFID technologies	Dr. Jana Kaliková (Czech Technical University in Prague)
ID-14	Reduce of Criticality of Critical Infrastructure Facilities in the Railway Domain	Tomáš Kertis, B.E. (Czech Technical University in Prague)
ID-15	Urbanization, the cornerstone of air traffic growth	Petra Skolilová, M.Sc. (Czech Technical University in Prague)
ID-16	Transportation, intelligent or smart? On the usage of entropy as an objective function	Assoc. Prof. Ondřej Přibyl (Czech Technical University in Prague)
ID-17	Modeling of Actual Emission Load Caused by Road Traffic	Dr. Přemysl Derbek (Czech Technical University in Prague)
ID-18	Processing Analysis of Check and Information Systems in Public Transport in the Czech Republic	Milan Sliacky, M.Sc. (Czech Technical University in Prague)
ID-19	Transport System Concepts for "Smart Cities" - Transport of People and Goods	Dr. Petr Kumpořt (Czech Technical University in Prague)