

Day 1 – June 24, 2015

HALL A

8:30	9:00	Registration Cafeteria	
9:00	9:35	Opening Speeches Chairman: Prof. Miroslav Svítek Hall A 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 Přibyl (Czech Technical University in Prague)	
9:35	10:55	Session 1: Scope and Coverage of Smart Cities Chairman: Prof. Miroslav Svítek Hall A	
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)
10:55	11:25	<i>Coffee Break</i> Cafeteria	
11:25	12:45	Session 2: System Approach to Smart Cities I Chairman: Prof. Carlos Ferregut Hall A	
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 Přibyl (Czech Technical University in Prague)
12:45	13:30	<i>Business Lunch</i> Cafeteria	
13:30	15:10	Session 3a: Best Practices for Smart Cities Chairman: Dr. Luis Felipe Herrera Quintero Hall A	
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)
15:10	15:55	<i>Coffee Break</i> Cafeteria <i>Charging Pole Christening</i> Main Entrance <i>Individual Visit of Transportation Lab and Vehicle Simulator</i>	
15:55	17:15	Session 4a: Strategy for Smart Cities Implementation Chairman: Prof. Zdeněk Votruba Hall A	
15:55	16:15	Individual Perception of Smart City Strategies	Assoc. Prof. Ondřej Přibyl (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)
17:15	17:20	<i>1st Symposium Day Closing</i>	
19:30	Symposium Social Event & Dinner (by invitation only)		

Day 1 – June 24, 2015

HALL B

13:30	15:10	Session 3b: Human Components of Smart Cities 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)
15:10	15:55	<i>Coffee Break Cafeteria</i> <i>Charging Pole Christening Main Entrance</i> <i>Individual Visit of Transportation Lab and Vehicle Simulator</i>	
15:55	17:15	Session 4b: Better Cities for Better Life Chairman: Assoc. Prof. Pavel Hrubeš 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.)
17:15	17:20	<i>1st Symposium Day Closing</i>	
19:30	Symposium Social Event & Dinner (by invitation only)		

Day 2 – June 25, 2015

HALL A

8:30	9:00	Registration Cafeteria	
9:00	10:40	Session 5: Cyberplatform for Smart Cities Chairman: Assoc. Prof. Ondřej Příbyl Hall A	
9:00	9:20	Efficient use of resources	Martin Kult, 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)
10:40	11:25	<i>Coffee Break</i> Cafeteria <i>Poster Session</i> Library	
11:25	12:45	Session 6: Smart City as a Complex System 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	Assoc. Prof. Jakub Vorel (Czech Technical University in Prague)
12:05	12:25	Behavioral Approach to Modeling Residential Mobility in the Prague Metropolitan Region	Assoc. Prof. 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)
12:45	13:30	<i>Business Lunch</i> Cafeteria	
13:30	15:10	Session 7: Building Blocks of Smart cities Chairman: Prof. Konstadinos Goulias Hall A	
13:30	13:50	Better Cities for Better Life	Ivo Vaněk, M.Sc. (SLoCaT Foundation)
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)
15:10	15:30	<i>Short coffee break</i> Cafeteria	
15:30	16:15	Round Table and Symposium Closing 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