

Smart Cities Symposium Prague 2017

Day 1 - May 25, 2017

8:00	9:00	Registration Entrance	
9:00	9:15	Opening Session Hall of John of Bohemia	
		Miroslav Svítek (SCSP Chair, Czech Technical University in Prague) Petr Konvalinka (Rector, Czech Technical University in Prague) Martina Děvěřová (Chief Executive, City of Prague) Ondřej Příbyl (SCSP Program Chair, Czech Technical University in Prague)	
9:15	10:30	Session 1: Keynote Speakers Chairman: Miroslav Svítek Hall of John of Bohemia	
9:15	9:30	Smart City 101	Porie Saikia-Eapen (MTA New York)
9:30	9:45	Electromobility in Smart Cities	Kurt Sigl (BEM / Bundesverband eMobilität e.V.)
9:45	10:00	Impact of Industry 4.0 on Smart Cities	Vladimír Mařík (CIIRC)
10:00	10:15	Helping cities become cognitive	Stephen Russo (IBM)
10:15	10:30	Beyond Smart Cities: The challenges and opportunities of smart urban mobility	Bahar Namaki Araghi (City of Copenhagen)
10:30	11:00	<i>Coffee Break</i>	
11:00	12:40	Session 2: Best Practices for Smart Cities Transformation Chairman: Kostas Goulias Hall of John of Bohemia	
11:00	11:10	<i>Technology Pathways to a Sustainable Future</i>	Florin Calarasu (SIEMENS)
11:10	11:20	<i>Microsoft platform for smart city technology</i>	Michal Osif (Microsoft)
11:20	11:40	The Indian Perspective of Smart Cities	Khushboo Gupta (Virginia Tech)
11:40	12:00	Smart Charles Square: Modeling interconnections of basic building blocks in Smart Cities	Pavel Příbyl (CTU, FTS)
12:00	12:20	Travel Time, Resource Reachability and Quality of Living in Urban Contexts: a Case Study from Slovakia	Giuseppe Lugano (University of Žilina)
12:20	12:40	An Autonomous Taxi Service for Sustainable Urban Transportation	Doros Nicolaides (University of Cambridge)
12:40	13:40	<i>Business Lunch</i>	
13:40	15:10	Session 3a: Smart Buildings and Energy Chairman: Tereza McLaughlin Váňová Hall of John of Bohemia	
13:40	13:50	<i>Data Platform for the City of Prague</i>	Iva Seigertschmidová (ICT Operator)
13:50	14:10	Energy-efficient envelope design for residential buildings: a case study in Oman	Saleh Al-Saadi (Sultan Qaboos University Oman)
14:10	14:30	Advanced energy control for commercial building using photovoltaic source and battery storage	Petr Wolf (CTU, UCEEB)
14:30	14:50	Smart Building Monitoring - From Structure to Indoor Environment	Jan Včelák (CTU, UCEEB)
14:50	15:10	Towards a Secure Smart Grid Storage Communications Gateway	Stefan Marksteiner (Joanneum Research)
13:40	15:10	Session 3b: Information and Data Processing Chairman: Jakub Vorel Gothic cellar	
13:40	13:50	<i>Smart homes – Key Element in Smart City</i>	Jan Průcha (Insight Home)
13:50	14:10	Sustainability and Resiliency Assessment for Smart Cities	Dimitrios Goulias (University of Maryland)
14:10	14:30	Knowledge Discovery from Car Sharing Data for Traffic Flows Estimation	Alessio Pagani (Politecnico di Milano)
14:30	14:50	Developing a mesoscopic simulation model for the examination of shopping mall freight traffic in Budapest	Dávid Lajos Sárdi (Budapest University of Technology and Economics)
14:50	15:10	Job Accessibility Modelling in Prague Functional Urban Area	Daniel Franke (Czech University of Life Sciences Prague)
15:10	15:40	<i>Coffee Break</i>	
15:40	17:10	Session 4a: Technologies for Smart Cities Chairman: Petr Bouchner Hall of John of Bohemia	
15:40	15:50	<i>What comes after smart city technology?</i>	Juraj Hošťák (EY)
15:50	16:10	Lip-Reading by Surveillance Cameras	Leon Rothkrantz (Delft University of Technology)
16:10	16:30	Key denominators of success in crowdsourced logistics	Radim Večeřa (CTU, FTS)
16:30	16:50	Application of a smart load-control concept in a municipality building in city of Pilsen	Václav Mužík (University of West Bohemia)
16:50	17:10	Dynamic Service of Public Transport in Smart City and Region	Patrik Horažďovský (CTU, FTS)
15:40	17:10	Session 4b: Information and Data Processing with Focus on Energy Chairman: Zdeněk Lokaj Gothic cellar	
15:40	15:50	<i>Vehicle detection solution based on SPINWIRE® technology</i>	Lubomír Křivánek (E.ON)
15:50	16:10	Sampling Density and Frequency as Data Quality Determinants in Smart Grids	Adir Even (Ben-Gurion University of the Negev)
16:10	16:30	Energy Simulation and Prediction in City Transportation	Tomáš Kučera (CTU, FTS)
16:30	16:50	Weather forecast based scheduling for demand response optimization in smart grids	Miroslav Kadlec (Masaryk University)
16:50	17:10	Data-Centric Framework for Adaptive Smart City Honeynets	Seamus Dowling (National University of Ireland - Galway)
19:00	Symposium Social Event & Gala Dinner (by invitation only) - Vltava River Cruise		

Smart Cities Symposium Prague 2017

Day 2 - May 26, 2017

8:30	9:00	Registration Entrance	
9:00	10:30	Poster Session Chairman: Tomas Horak Gothic arcade corridor	
9:00	10:30	Special Session: Autonomous Vehicles for Smart Cities Chairman: Meng Lu Hall of John of Bohemia	
9:00	9:10	Welcome, objectives and agenda	Ondřej Přibyl (CTU, FTS)
9:10	9:25	UBER and autonomous driving	Tomáš Peťovský (UBER CEO Czech and Slovak Republic)
9:25	9:40	Management of autonomous vehicles – MAVEN	Ondřej Přibyl (CTU, FTS)
9:40	9:55	State of the art in autonomous driving	Reza Dariani (DLR)
9:55	10:10	Communication for autonomous driving	Tomáš Zelinka (CTU, FTS)
10:10	10:30	Questionnaire & Discussion (Mentimeter)	Meng Lu (Dynniq)
10:30	11:00	<i>Coffee Break</i>	
11:00	12:10	Session 5: Social Aspects of Smart Cities Chairman: Csaba Csiszár Hall of John of Bohemia	
11:00	11:10	<i>Smart lighting system for cities</i>	<i>Eitodo</i>
11:10	11:30	Experiments with Semantic and Sentiment Analysis of Generation Z Reports About Smart Cities and Automation	Konstadinos Goulias (University of California Santa Barbara)
11:30	11:50	Relative Importance for Crime Prevention Technologies as Part of Smart City based on Spatial Information	Woo Chul Choi (Korea Institute of Civil Engineering and Building Technology)
11:50	12:10	Human machine interface for future cars. Changes needed.	Dmitry Rozhdestvenskiy (CTU, FTS)
12:10	13:10	<i>Business Lunch</i>	
13:10	14:20	Session 6: System Approach to Smart Cities Transformation Chairman: Dimitrios Goulias Hall of John of Bohemia	
13:10	13:20	<i>Smart City transformation must be smart!</i>	<i>Pavel Hrabina (HP)</i>
13:20	13:40	Depicting the Smarter Cities of the Future: A Systematic Literature Review & Field Study	Thomas Raaijen (University of Twente)
13:40	14:00	Model for Evaluation of Transport Energy Needs of Alternative Development Scenarios on Regional Scale	Tomáš Peltan (Czech University of Life Sciences Prague)
14:00	14:20	Cyber security of underground railway system operation	Tomas Kertis (CTU, FTS)
14:20	14:50	<i>Coffee Break</i>	
14:50	15:20	Round Table and Symposium Closing Moderator: Kostas Goulias / Ondřej Přibyl Hall of John of Bohemia	
		Summary of Chairmen of Particular Sessions	All chairmen
		Discussion	All participants
		Concluding Remarks	Miroslav Svítek / Ondřej Přibyl
19:00		Symposium Social Event - Classical Music Concert Hall of John of Bohemia	

Smart Cities Symposium Prague 2017 - Poster Session

Day 2 - May 26, 2017 from 9:00 to 10:30 in Gothic Arcade Corridor

Hybrid communication solution for C-ITS and its evaluation	Martin Šrotýř (CTU, FTS)
Quantifying the Effects of Public Transport Priority based on the Potencial of Time Savings	Vojtěch Novotný (CTU, FTS)
Analysis of the approach of the municipalities to the Smart City conception and selected examples of its applications	Zdeněk Dufek (Brno University of Technology)
Tools for ensuring the safe cities	Dana Procházková (CTU, FTS)
Automated Vehicles in Smart Urban Environment: A Review	André Maia Pereira (CTU, FTS)
Smart Rail Infrastructure Planning for Smart Cities: A Prague Rail Hub Case Study	Michal Drábek, Zdeněk Michl (CTU, FTS)
Assessment Method to measure Smartness of Cities	Michal Postránecký (Gulf Coast Green Development)
Smart City near to 4.0 – an Adoption of Industry 4.0 Conceptual Model	Michal Postránecký (Gulf Coast Green Development)
D.U.M. - Dynamic Urban Model, Data-based Urban Evolution Prediction Toolset	Pavel Paseka (CTU, Faculty of Architecture)
Increasing efficiency of getting results of satellite remote sensing for Smart Cities	Boris Kucherov (University of Technology)
Person Identification by Smart Cameras	Leon Rothkrantz (Delft University of Technology)
Smart Mobile Technologies for the City of the Future	Hind Bangui (Masaryk University)
Ageing population of cities – Implications for circular economy in the Czech Republic	Kristýna Rybová (Charles University)
Challenges for citizens in management energy system of Smart cities	Ary Mauricio Burbano (Universidad Manuela Beltran)
Incorporating stakeholder input in EU projects	Ondřej Příbyl (CTU, FTS)
Employing Bayesian Networks and Conditional Probability Functions for Determining Dependences in Road Traffic Accident Data	Miroslav Vaniš (CTU, FTS)
Analysis of discrete data from traffic accidents	Pavla Pecherková (CTU, FTS)
Impact of Roadside Advertising on Road Safety	Josef Kocourek (CTU, FTS)
Lidar Based Object Detection Near Vehicle	Marek Pavelka (CTU, FTS)
People counting by means of Wi-Fi	Jana Kaliková (CTU, FTS)
Solar Chimney for Ventilation in Czech Winter Climate Conditions	Petra Tvrďá (UCEEB)
Implementation of the theoretical model for the calculation of slow vehicles' travel times on alternative routes	Denisa Mocková (CTU, FTS)
Model of information system for combined ride-sourcing service	Dávid Földes (Budapest University of Technology and Economics)
Methodology for smart energy performance, in rural zones of Colombia	Yecid Alfonso Muñoz (Universidad Autónoma de Bucaramanga)