



## BE:ONE

Professional sideline programme at the URBIS fair organized by the city of Brno and BVV in cooperation with the city:one platform on 27 to 29 April 2017.

CENTRAL TOPIC: SMART CITY

The programme is open to all trade fair visitors free of charge.

Programmes of the individual days are subdivided according to the Smart City strategy of the city of Brno in three of its pillars:

**27 April, Thursday – SMART RESOURCES** (transport, energy generation and management, water management, telecommunications etc.) – program 10 a.m. to 5 p.m., social evening AFTERPARTY URBIS 2017 including announcement of the results of awards for best solutions. The target group consists of representatives of local governments and authorities, academics and private sector.

**28 April, Friday – SMART GOVERNANCE** (eGovernment, Security, Open Data, etc.), the afternoon is dedicated to a special workshop of the Ministry for Local Development titled Smart solutions for small municipalities up to 20 thousand inhabitants; the afternoon programme is dedicated to innovative actions in the area of governance. The target group consists of representatives of local governments and authorities, academics and private sector.

**29 April, Saturday – SMART LIVING** (smart (end) tools for citizens, impact of smart technologies on the lives of people and their leisure time etc.). Target group: general public – the end customers.

*Lead paragraph of the event: Get an overview of the latest news in the field of smart cities in the Central European dimension, so that you know what is worth dealing with and how easy or difficult it is to implement smart solutions even in your city or village. This is an event you certainly cannot miss!*

### Programme of the event:

**Thursday, 27 April 2017**

**Topic: Approach to the Smart City concept in cities of Central Europe**

10:00 Opening and introduction to the set of issues (David Bárta, CityOne)

10:15 Brno Smart City (Jaroslav Kacer, Deputy Mayor for Smart City, Brno)

10:30 Graz Smart City (AT) (tbd)

10:45 Debrecen Smart City (Zoltán Poser, Debrecen)

11:00 Long-term vision of the development of the Bratislava satellite (Ivan Schreiner, Mayor, Ivanka pri Dunaji)

11:15 Smart City Innovative features in Israeli cities (Flavio Mantelmacher, Israel)



11:30 Panel discussion and final recommendations for cities

Interval

**Topic:** New traffic regulation concepts in cities

**Subtitle:** *What do we breathe? 89% of Czechs do not like what they breathe in cities. In 2011 alone, air pollution in Czech cities was responsible for 6,400 premature deaths. (Source: City with a Good Address)*

**Strategy: Regulation of entry into cities**

*Lead paragraph: The cities' biggest problem is air quality, which is significantly influenced by traffic. The conference program will bring guidelines for the overall strategy and "smart" tools for modern traffic planning or addressing resident parking zones using the latest digital technology (from maps and sensors, through satellite navigation to mobile applications).*

**Tools: Residential parking assisted by smart tools**

12:00 Opening and introduction to the set of issues(David Bárta, CityOne)

12:20 Sensor solutions for parking and traffic statistics monitoring – a tool for traffic planning (Martin Pípa, CITIQ)

12:30 Sensor solutions for parking monitoring (Tomáš Jungwirth, AV ČR, E.ON)

12:40 Technologies for traffic and environment monitoring (Jan Fučík, Camea)

12:50 Innovative features for public areas as part of a modern city (Václav Vodrážka, PRE)

13:00 Sensor solutions for air quality monitoring (Roman Ličbinský, CDV)

13:10 New concept of traffic management by means of information from traffic sensors and environment sensors (ELTODO)

13:20 Smart transport management in IDS JMK (Jiří Horský, KORDIS JMK, a.s.)

13:30 INVIPO Software – an open platform for integration of technologies, systems and services in cities (Incinity s.r.o. Zlín - Lukáš Duffek)

13:40 Mobile applications for easy parking (Martin Matoušek, Zaparkujto)

13:50 Vertical transfer of cars in multi-storey car parks (Jan Holec, EL-VY)

14:00 Bikesharing in Brno? (Charles Butler, Homeport)

14:10 Panel discussion and final recommendations

14:30 Interval



## **Internet of Things**

*Lead paragraph: What are the possibilities for better asset management, remote control or monitoring of urban infrastructure? In the Czech Republic there are already several Internet of Things networks and a number of smart solutions. Leading network providers will show you the possibilities of modern management for urban systems.*

15:00 Introduction into the Internet of Things (David Bárta, CityOne)

15:10 Innovative solutions based on LoRa network (Ján Jacina, České Radiokomunikace)

15:20 Innovative solutions based on IQRF network (IQRF Aliance)

15:30 Discussion

## **Energy generation and management**

16:00 Energy savings for public buildings with the support from Operational Programme Environment (a representative of the State Environment Fund of the Czech Republic)

16:10 Experience from the project of Competence Centres of the Technological Agency of the Czech Republic titled „Smart Regions“, a case study of Nový Lískovec, Petr Komínek, VUT Brno

16:20 Navigation inside buildings – operational costs incl. energy costs (Spaceti, Max Verteletskyi and Aneta Klímová)

16:30 Public lighting, the basic foundation stone of Smart Cities, Jan Hlaváček, Elko EP

16:40 Virtual reality just around the corner and new ways of visualisations (Ondřej Valach, Lumiartsoft, s.r.o.)

16:50 Discussion

17:10 Programme closing

## **Friday, 28 April 2017**

**Topic:** Smart concepts for small municipalities (Workshop MMR)

**Subtitle:** *Even a small municipality may be smart*



*Lead paragraph: An official workshop of the Ministry for Local Development (MMR) for smaller towns and municipalities with presentation of useful smart solutions, which save time, money and make more efficient the work of a mayor of any smart municipality.*

10:00 Introduction to smart solutions for smaller towns and municipalities (František Kubeš (MMR), David Bárta CityOne)

10:15 Support of smart countryside in the Central Bohemian Region Ivo Říha, Peter Svoboda, SIC)

10:25 Use of aerial mapping for the digitisation of map bases (Vojtěch Koukal, TOPGIS)

10:35 Modern tools for communication with citizens, digital radio broadcast (Neogenia)

10:45 Modern tool for communication with citizens, Florian (a representative of a municipality tbc)

10:55 Smart municipal radio broadcast (Lukáš Vecl, Perymont)

11:05 Efficient informing of citizens – the Hlášenírozhlasu.cz service, or a service from a small village not only for small villages (Petr Tomášů, URBITECH)

11:15 Use of rainwater, use of gray water and heat from gray water, or features for the Smart City (Michal Plotěný, Asio)

11:25 Cogeneration from biomass as a heat source for small municipalities (Josef Géba, B:POWER)

11:35 Smart solutions from the company E.ON (Lukáš Svoboda, E.ON)

11:45 City achievements even in a small village? (Martina Kirchrathová, Ingénico)

11:55 Discussion

### **Smart governance for authorities and cities**

*Lead paragraph: How to make use of tools, which are already used by ordinary people at work or at home. Social networks, digital communication, data sharing, digital payments and other concepts for smart governance*

12:30 Introductory address (Bárta, CityOne)

12:40 A smart authority – the Brno way to Smart City (Jaroslav Kacer, Deputy Mayor, Brno)

13:00 City portal for communication between the city and its citizens (Martin Dolejš, MasterCard)

13:15 Smart City of Česká Spořitelna (Marcel Babczinsky)

13:30 City marketing (Petr Sameš, CityOne)

13:45 Communication potential of a modern city website (Patrik Sýkora, CityOne)



14:00 Good and bad practice of data opening in the Czech Republic (Michal Zimmerman, author of the Open Data Chart)

14:15 From a smart authority to smart cities and regions (Ladislav Mazač, Gordic)

14:25 City branding (Josef Vojta)

14:35 Discussion

### **Platforms of Smart Cities**

15:00 The city:one platform – a Central European platform of Smart Cities (David Bárta, CityOne)

15:10 Establishment and operation of a Smart City according to RASC (Pavel Náčovský, Council and Academy for Smart City)

15:20 Smart City Club as an independent platform of Slovak cities (Vladimír Jurík, SC klub)

15:30 Methodology of a cluster for Smart City (Josef Regec, Czech Smart City Cluster)

15:40 Discussion and final recommendations

16:00 Programme closing

### **Saturday, 29 April 2017**

**Topic:** Smart City for smart citizens

*Lead paragraph: The key to the success of a smart city is that citizens understand the introduced innovations, are a part of the process and find it useful and necessary for the life in their city. The Saturday's program will offer practical examples of digital services for citizens and develop a debate over how easily citizens can participate in the development of their city to and how to begin to change it.*

Thematic circles:

- Involvement of citizens into the creation of a city
- Community projects
- Sharing concepts
- Interventions in public areas

10:00 Examples of tools for the involvement of citizens (David Bárta, CityOne)

10:15 Pilsen – Jakub Mareš: Mobility in the city and public area solutions – the “Scooters into the World” project (SCOOBIKE s.r.o)



10:30 Brno – Vojtěch Lekeš, Tomáš Kozelský: NEXT Institute – applied research in architecture and urban planning (Adaptive Re-use, Social Reactor), a double lecture of about 30 minutes

11:00 Ústí nad Labem: Aleš Loziak, Richard Loskot: Hraničář – the story of a house and its visions

11:15 Prague – Milota Sidorová: How to design a fairly shared city? How gender optic in planning improves methodology and outcome of participation with the public

11:30 Brno – Pavel Stratil: tbd

11:45 Prague – Kristýna Stará: Who owns the future... On a non-profit project entitled „Architects at School“ and its transfer into practice

Additional lectures are under preparation