



# Focusing on Smart City

## 4<sup>th</sup> Hungarian Future Internet Conference and Smart City Exhibition

Budapest University of Technology and Economics (BME)  
Central Building (K), Assembly Hall  
November 8-9, 2017

### 1<sup>st</sup> Day - November 8

8.30 - 9.30 *Registration*

9.30 – 11.30

#### 1<sup>st</sup> section: Focusing on Smart City

Section Chair: László Jakab professor, dean BME VIK

Opening talks:

» János Józsa professor, rector BME

» András Patyi professor, rector NKE

- Lutz Heuser (Urban Software Institute, Germany):  
International Smart City plans, experiences, success factors
- Kovács Kálmán (BME): Smart City models, the SmartPolis project
- David Barta (Transport Research Centre and CityOne, Brno):  
Smart City principles described on air quality management case
- Nikolay Tcholtchev (Fraunhofer Institute, Germany):  
Facilitating Eco-Systems for Smart Cities through Reference Architectures

11.30 – 12.00

#### Opening Smart City Exhibition – Aula, Central Building

The Exhibition is opened by *István Lepsényi*, Secretary of State

Presenting the Exhibition: *László Vajta*, President, SmartPolis Knowledge Centre

More than 20 exhibitors, the Exhibition is open during the Conference

12.00– 13.30 *Lunch break*

**13.30 – 15.00**

**2<sup>nd</sup> section: Future Internet Trends, Research Results**

Section Chair: Gyula Sallai, professor emeritus, BME

- *Andrea Bondavali* (Univ. Firenze): Critical Information Infrastructures
- *András Pataricza* (BME): Blockchain Technologies
- *Attila Gilányi* (University of Debrecen): Virtual Reality Reconstruction Technology
- *Imre Varga* (University of Debrecen): Insight into the World of Complex Networks

*15.00 – 15.30 Coffee break*

**15.30 – 17.00**

**3<sup>rd</sup> section: Future Internet Solutions, applications**

Section Chair: Tamás Mihálydeák, Director FIRCC, Dean DE IK

- *Gábor Fehér* (BME): Low Power IoT Radio Technologies
- *Zsolt Kollár* (BME): Intelligent Exploitation of the Radio Frequency Spectrum in Future Wireless Access Networks
- *Péter Orosz, Ivett Kulik, Tamás Marosits* (BME): Performance Analysis of Internet Accesses in Web Browser
- *Roland Szabó* (University of Timișoara): Optical Distance Measurement Online Data Evaluation at Different Positions Using Six Sigma Tools

## **2nd Day - November 9**

*9.00 - 16.00 Smart City Exhibition in the Aula*

**9.30 – 11.15**

**4. section: Smart City „best practices”**

Section Chair: Péter Bakonyi, President FI NTP, BME

- *András Nemeslaki* (National University of Public Service): Governing Smart Cities: Issues and Challenges
- *László Mátyus* (EDC Debrecen): Debrecen Smart City
- *Sándor Nagy* (Szeged): Smart City Programme of Szeged
- *Máté Petrik* (Liget Budapest): The Liget Budapest Project
- *Sályi Géza* (Kiskőrös), *Bakonyi Péter* (BME): Smart City Strategy of Kiskőrös – Petőfi Plan

*11.15 – 11.45 Coffee break*

**11.45 – 13.30**

**5. section: Smart City as an innovation engine**

Section Chair: Kovács Kálmán, Director, SmartPolis Knowledge Centre, BME

- *Zsolt Szalay* (BME): ZalaZone Test Environment to the Future Cars
- *Péter Baranyi* (Széchenyi István University), *Ildikó Horváth* (University of Pécs): 3D Internet in the Education
- *Gábor Topa* (T-Systems Hungary): What will our city be smart from?
- *Benjámín Győri, Viktor Nagy* (Tungsram-Schröder): Changing Cities – Smart planning
- *Kornél Almássy* (Budapest Közút Zrt): Smart City Solutions in the Transportation

**13.30 Conference closing:** László Jakab László Jakab professor, dean BME VIK

*Sandwich lunch between 13.40 and 14.00*

**16.00 Closing Smart City Exhibition**