Under the auspices of the Slovak Presidency of the Council of the EU and the European Commission, and the Ministry of Economy of the Slovak Republic.

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#SmartCity360
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<td>BERT WITKAMP</td>
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After the first successful edition, EAI is bringing you the 2nd Smart City 360° 2016 Summit bridging the automotive industry with the IT sector. The objective of the Summit is to provide a platform for scientific collaboration, presentation of scientific output and to link research with practice.

With the Slovak Presidency in the Council of the European Union, there is no better place to hold the Summit than in the automotive industry hub of Central Europe. The Slovak capital, Bratislava, will host the Smart City 360° Summit 2016 providing a meeting point for everyone involved in the industry who wants to know the hottest news and most up-to-date issues.

Since 2007, Slovakia has been the world's largest producer of cars per capita. In 2015, for the first time ever, the number of cars produced in Slovakia exceeded one million. However, to be a leader, careful planning needs to be done in order to ensure sustainability of this strategic industry.

On the other hand, the future of mobility does not lie in hardware and manufacturing, as there is a shift towards software and services being at the center of attention. That is why companies like Google, Uber, or Apple are becoming the biggest competitors for the future market. Manufacturers have to move up the value chain and enter the century of self-driven cars as that is where the economic future resides.

Smart City 360° Summit 2016 will give you an opportunity to forge new relationships with technology leaders, strategists and key decision makers and gain access to a target rich environment of young and promising researchers, and established names in the field, as well as up and coming members of the community.
SUMMIT PROGRAM

DAY 1 - 23 NOVEMBER 2016

09:00-09:10
OPENING
STEFAN STANKO

09:10-10:30
KEYNOTE SPEAKERS
MAROŠ FINKA
RASTISLAV CHOVANEC
ROMAN BRECEL Y

An overview of the current situation within smart cities and how the automotive industry is one of the key elements to focus on in the area of “SMART”

10:30-11:00
COFFEE BREAK

11:00-12:30
PANEL DISCUSSION – AUTOMOTIVE INDUSTRY IN SLOVAKIA (CURRENT SITUATION)
TOMÁS PETOVSKÝ
PETER PIŠTEK
JAN LESINSKY
JAROSLAV HOLEČEK
MARTIN JESNY

• Slovakia - world’s largest producer of cars per capita, ‘Tatra Tiger’ in the automotive industry
• Automotive Industry in Slovakia – challenges and opportunities
• Acquisition of talent, local suppliers, improving quality, increasing labour cost

12:30-13.30
LUNCH

13:30-15:00
PANEL DISCUSSION – FUTURE OUTLOOK ON THE AUTOMOTIVE INDUSTRY IN EUROPE
JEAN-PHILIPPE LE GAC
MASSIMO VILLARI
LANCE LEVERETTE
TAMÁS VAHL

• Shift from manufacturing to software and services: Technology and innovation needs to be aligned with excellent customer experience
• Self-driven cars, connected cars, enhanced driver support and other innovative transportation systems

15:30-16:30
ALTERNATIVE ENERGY SOURCES
CARLOS VARELA MARTÍN
PATRICK KRIJZANSKY
TAMÁS VAHL
THOMAS WILLSON

• Solar panels and wind power and their use in transportation and smart cities
• Environment-friendly transportation
• Cost-effective solutions for individuals, municipalities, and smart cities

17:00-17:30
THE IMPORTANCE OF COOPERATION AMONG INDUSTRY, RESEARCH AND UNIVERSITIES (CASE STUDY)
Comparison of educational systems, challenges and opportunities. Focus on cooperation among industry, universities and researchers. Imagineering Institute Iskandar Malaysia case study.
PREDRAG NIKOLIC

DAY 2 - 24 NOVEMBER 2016

09:00-09:30
KEYNOTE SPEAKERS
JURAJ LAPIN
HELMUT W. MORSI

11:00-11:30
COFFEE BREAK

11:30-12:30
TECHNOLOGY FORECAST I.
JEAN-PHILIPPE LE GAC
MASSIMO VILLARI
LANCE LEVERETTE
TAMÁS VAHL

Smart City and automotive experts and professionals will put their heads together in the Technology forecast session to figure out what the future holds for smart cities.

12:30-13:30
LUNCH

15:30-16:30
BIRDS OF A FEATHER (ROUND TABLES DISCUSSIONS)
EDUARDO TOMÉ
MASSIMO VILLARI
PREDRAG NIKOLIC
CSABA JUHÁSZ

Discuss with experts the pressing issues in smart city and automotive sector.

15:00-15.30
COFFEE BREAK

14:00–15:00
PANEL DISCUSSION – BIG DATA: OPPORTUNITIES AND THREATS
LANCE LEVERETTE
JURAJ KAPASNY
PETER BALIK

• How to use Big Data effectively
• Data security, data protection and data breaches

15:00–15.30
COFFEE BREAK
EAI INTERNATIONAL CONFERENCE ON
MANAGEMENT OF MANUFACTURING SYSTEMS

22 NOVEMBER 2016

8:00-9:00 REGISTRATION
9:00 - 9:30 WELCOME SPEECH
Opening Ceremony of MMS 2016
ASSOC. PROF. DR. MICHAL BALOG

9:30-12:30 PANEL DISCUSSION / PAPER PRESENTATIONS

9:30-9:50 - Information and Communication System for Informing Users in Traffic Environment - SAforA
ASSOC. PROF. DR. PETER MICHALIK

9:50-10:10 - Comparison of transverse roughness of the outer surfaces of thin-walled components manufactured
(TUKE, Faculty of Manufacturing Technologies with a seat in Prešov-SK)
DR. SLAVOMIR BEDNÁR

10:10-10:30 - Approaches to complexity measurement of the production process (TUKE, Faculty of
Manufacturing Technologies with a seat in Prešov-SK)
DR. MICHAL KNEŽO

10:30-11:00 COFFEE BREAK

11:00-11:20 - IoT challenge: older test machines modernization in an automotive plant (Banking Institute in
Prague-CZ)
ASSOC. PROF. DR. JURAJ PANČÍK

11:20-11:40 - Calculation of critical values of several probability distributions using standard numerical methods
(TUKE, Faculty of Manufacturing Technologies with a seat in Prešov-SK)
PROF. DR. DUŠAN KNEŽO

11:40-12:00 - Study of cutting zone of WPC material after cold cutting (TUKE, Faculty of Manufacturing
Technologies with a seat in Prešov-SK)
DR. DUŠAN MITAL

12:00-12:20 - Evaluation of selected surface integrity parameters after machining of composite materials with
natural reinforcement (TUKE, Faculty of Manufacturing Technologies with a seat in Prešov-SK)
M.SC. ENG. FRANTIŠEK BOTKO

12:30-13:30 LUNCH

13:30-16:45 PANEL DISCUSSION / POSTER SESSION

13:30-13:50 - Euro-Personal s.r.o., Slovakia
JUDR. JOZEF PETRÍK

13:50-14:10 - ŽSSK Cargo, Slovakia
M.SC.ENG. MIROSLAV HOPTA

14:10-14:30 - ŽOS Trnava a.s., Slovakia
M.SC.ENG. MARIA WENDT

14:30-14:50 - Tomark s.r.o., Prešov, Slovakia
M.SC.ENG. DANIEL TOMKO

14:50-15:15 COFFEE BREAK

15:15-15:40 - Gaben s.r.o., Ostrava, Czech republic
M.SC.ENG. JAKUB UNUČKA

15:40-16:00 - 1.prešovská nástrojareň, s.r.o., Prešov-Lubotice, Slovakia
M.SC.ENG. EVA VOJNOVÁ

16:00-16:20 - SEZ Krompachy a.s., Slovakia
M.SC.ENG. IMRICH SMARŽÍK

16:20-16:45 - Automotive Industry Association of the Slovak republic, Slovakia
KEYNOTE SPEAKER: DR. H.C. MULT. PROF. ING. JURAJ SINAY, DRSC.

16:45-17:15 POSTER SESSION

Verification of RFID Tags Properties on the Tagged Products
DORČÁK D., HRICOVÁ R., ŠEBEJ P.

Monitoring the intensity of mechanical vibration during the processing of chrome steel 14109
OLEJÁROVÁ Š., DOBRANSKÝ J., PANDA A.

Risk analysis causing downtimes in production process of hot rolling mill
MALINDŽÁKOVÁ M., CAGAŇOVÁ D., ROSOVÁ A., MALINDŽÁK, D.

Using simulation software in composites industry
Knapčíková L., Balog M., Ruggiero A., Husárovia J.

CAPP as a tool for strategy development of competitiveness in the mechanical engineering industry within
European countries
MONKA P., Monková K.

Definition of pneumatic artificial muscles operational characteristics
Rimár M., Šmeringaj P., Fedák M.

Quality as a part of modern technology in the automotive industry
Markulič Š., Sinaj J., Pačaiovič H.

17:15-17:30 CLOSING CEREMONY OF MMS 2016

18:30-22:00 SOCIAL EVENING

(Expérience Cafe Restaurant, Žilinská 7112/3, 811 05 Bratislava - Staré Mesto-Staré Mesto)
EAI INDUSTRY OF THINGS AND FUTURE TECHNOLOGIES CONFERENCE

22 NOVEMBER 2016

8:00-9:00  REGISTRATION

9:00-10:30  KEYNOTE SPEAKERS

9:00-09:30 - Keynote speech of Predrag Nikolic
9:30-10:00 - Keynote speech of Eduardo Tome
10:00-10:30 - Keynote speech of Juraj Hostak

10:30-10:50  COFFEE BREAK

10:50-12:30  PRESENTATION OF PAPERS (PRESENTATION OF EACH PAPER APPROX. 20 MINUTES)

Utilization of Exact Methods within Decision-making Process in Innovation Management - Application of AHP Method
ASSOC. PROF. DÁGMAR CAGÁŇOVÁ, ASSOC PROF. DOC. ING. DANIELA ŠPIRKOVÁ, PHD, RICHARD JURENKA

Smart City in Terms of Social Innovations and Human Capital
ING. MGR. RICHARD JURENKA, ASSOC. PROF. DÁGMAR CAGÁŇOVÁ, ING. NATÁLIA HORňÁKOVÁ, PHD, ING. AUGUSTÍN STAREČEK

Effective Exploitation of Human Resources Potential in Innovation Potential in Aims Pursuing Sustainability
ING. ZDEŇKO STACHO, PHD, DOC. ING. KATARÍNA STACHOVÁ, PHD, ASSOC. PROF. DÁGMAR CAGÁŇOVÁ

Multimedia System for Taxi Services with Awareness of Malicious Behavior as a Part of Smart Transportation
ING. PETER PISTEK, PHD, DOC. ING. MARTIN POLAŇ

Developed lighting technology for Smart Cities
PROF. ING. MICHAL CEHLÁR, PHD, DOC. ING. DUŠAN KUDELAS, PHD.

12:30-13:30  LUNCH

12:30-14:50  PRESENTATION OF PAPERS (PRESENTATION OF EACH PAPER APPROX. 20 MINUTES)

Mapping the Development and Processes of Emerging „Green Markets” in the Context of Sustainable Marketing Management
ING. GABRIELA PAJTINKOVÁ BARTÁKOVÁ PHD, JUDR. PHDR. KATARÍNA GUBÍNIOVÁ, PHD, PHD RNDR. JARMILA BRTKOVÁ

Preparation for Smart Industry, Introduction and the Comparative Study
DOC. ING. JÁN PAPULA, PHD, MGR. LUCIA KOHNÓVÁ, PHD, MGR. ZUZANA PAPULOVÁ, PHD, MICHAEL SŁUCHOB

Environmental policy enterprise as a competitive advantage
MGR. ING. ZUZANA TEKULOVÁ, PHD, DOC. ING. ZUZANA CHOďASOVÁ, PHD, DOC. ING. MARIÁN KRÁLIK, CSC

A probability based hybrid energy-efficient privacy preserving scheme to encounter with wireless traffic snooping in smart home
MOHAMMAD ALI NASSIRI ABRISHAMCHI, ABDUL HANAN ABDULLAH, PROF. ADRIAN DAVID CHECK, ASSOC. PROF. PREDRAG NIKOLIC

14:50-15:15  COFFEE BREAK

15:15-19:00  PRESENTATION OF PAPERS (PRESENTATION OF EACH PAPER APPROX. 20 MINUTES)

Sustainable Reporting as Important Tool of Responsible Behaviour towards Stakeholders in Conditions of Slovak Food Industry
ING. MÁRIA HOLJENČÍNNOVÁ, PHD, ING. LUDMILA NAGYOVÁ, PHD

Multimodal Transport Hub - an Architectural Challenge for Smart City Bratislava
DOC. ING. ARCH. MILAN ANDRÁŠ, PHD, ING. ARCH. EVA ORAVCOVÁ, PHD, ING. ARCH. PAVEL NAHÁLKA, PHD

Design for Behavior Change: Transforming Smart Cities public spaces into interactive environments for behavioral changes
ASSOC. PROF. PREDRAG K. NIKOLIC, PROF. ADRIAN DAVID CHECK

Smart water management – innovation within tradition
ING. MARTINA LAZAROVÁ, DOC. ING. ARCH. DANIELA GAŽOVÁ, PHD.

Smart governance: A tool for climate mitigation in cities?
ING. ALFRED KAISER, PROF. MGR. TATIANA KLIUVÁNKOVÁ, PHD.

Smart Twins Bratislava and Vienna strategy
ING. VLADIMÍR ONDREJIČKA, PHD, RNDR. MILAN HUSÁR, ING. IUBOMÍR JAMEČNÝ, PHD.

Towards a smart city: an integrative spatial perspective on energy transition
ING. FILIP GULAN, PROF. ING ARCH. MARŠÍ FINKA, PHD.

Quality of Space in Cities Respecting Requirements of Specific Target Groups as Objective of Smart City Concepts
MGR. SILVIA ONDREJIČKOVÁ, DOC. PHDR. DÁGMAR PETRÍKOVÁ, PHD.

City as a Personality: New Concept of Creative City
ING. ARCH. ZUZANA LADBZANSKA, DOC. MGR. MATEJ JAŠŠO, PHD.

Internet of Things for the Hotel Industry: A Review
ASSOC. PROF. SÉRGIO TENREIRO DE MAGALHÃES, ASSOC. PROF. MARIA JOSÉ RIOS DE MAGALHÃES, ASSOC. PROF. KENNETH REVE TT

Enhancing elderly mobility through IoT using textiles: a review
ASSOC. PROF. SÉRGIO TENREIRO DE MAGALHÃES, ASSOC. PROF. MARIA JOSÉ RIOS DE MAGALHÃES, ASSOC. PROF. KENNETH REVE TT
22 NOVEMBER 2016

8:00-9:00 REGISTRATION

9:00-10:30 KEYNOTE SPEAKERS

9:00 - 09:45 Keynote speech of Professor Michal Varmus
9:45 - 10:30 Keynote speech of Jozef Herčko

10:30-11:00 COFFEE BREAK

11:00-12:30 PRESENTATION OF PAPERS (PRESENTATION OF EACH PAPER APPROX. 30 MINUTES)

Smart City Bus Mobile Application
DR. ENIS AYTAR, DR. SERKAN MEZARCIÖZ, DR. MURAT DEMIRDÜZEN, DR. MERT UMUT OZKAYNAK, PROF. DR. KADIR AYDIN

Smart Transportation Applications for City Buses
DR. SERKAN MEZARCIÖZ, DR. ENIS AYTAR, DR. MURAT DEMIRDÜZEN, DR. MERT UMUT OZKAYNAK, PROF. DR. KADIR AYDIN

Vehicle Data Processing and Reporting System for Smart City Buses
DR. SERKAN MEZARCIÖZ, DR. ENIS AYTAR, DR. MURAT DEMIRDÜZEN, DR. MERT UMUT OZKAYNAK, PROF. DR. KADIR AYDIN

12:30-13:30 LUNCH

13:30-14:50 PRESENTATION OF PAPERS (PRESENTATION OF EACH PAPER APPROX. 30 MINUTES)

Cooperation as a key element of Human-Centred Factories
ING. BRANISLAV MICIETA, PHD., ING. JOZEF HERČKO, ING. CUDMILA ZÁVODSKÁ, ING. MIROSLAV RAKYTA, PHD

Cooperation between university and research institute: best practice from Zilina, Slovakia
ING. JOZEF HERČKO, PROF. ING. MILAN GREGOR, PHD., ING. MIROSLAV FUSKO, ING. VLADIMÍR MAGVAŠI

Model Approach for Formation Synergy Effects in Automotive Industry with Support of Big Data Solutions
ING. MARTIN HOLUBČÍK, ING. GABRIEL KOMAN, ING. MICHAL VARMUS, PHD., ING. MILAN KUBINA

14:50-15:15 COFFEE BREAK

15:15-16:15 PRESENTATION OF PAPERS (PRESENTATION OF EACH PAPER APPROX. 30 MINUTES)

Cooperative relations and activities in the cluster
PROF. ING. JOSEF VODÁK, PHD., ING. MICHAL VARMUS, PHD., ING. PATRIK FERENC, ING. DIANA ZRAKOVA

Sustainable Organization of Cooperation Activities in a Company
DOC. MGR. JAKUB SOVIA, PH.D., DOC. ING. VILJAM LENDEL, PHD., PROF. ING. JOSEF VODÁK, ING. JANA KUNDRIKOVÁ

VENUE

BRATISLAVA, SLOVAKIA

Bratislava is the city for everyone. It is strategically located on the Danube river bank, in close proximity of the borders with Hungary and Austria. Lovely historic Old Town is interwoven by cosy, modern and stylish cafes and restaurants. From long-walk lovers, through history-hunters up to party animals, Bratislava undoubtedly proves itself as a cultural crossroad of Central Europe.

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- Internet of Things
- Smart Cities
- Applications for Future Internet

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