

MOBILITY IoT 2019 6th EAI Internacional Conference on Smart City

FULL PROGRAM 2019

Krynica-Zdrój, Poland

08th October 2019 (Tuesday)

14:00 - 15:00 Hotel Check-in

15:00 - 16:00 Registration

15:30 - 16:00 Coffee Break

16:00-16:30 Opening ceremony

Dagmar Caganova - Mobility IoT 2019 General Chair

Peter Savchuk - Mobility IoT 2019 General Chair for Ukraine

Emanuel Marinescu - Mobility IoT 2019 General Chair for Romania

16:30 – 17:00 Keynote speaker session

Chairwoman Dagmar Cagáňová

16:30-17:00 **Miloš Poliak** – Dean of the Faculty of Operation and Economics of Transport and Communications, Slovakia - Sustainability of Trucks Parking in European Union

17:00 - 17:30 Discussion and Networking evening /Welcome drink

18:00 – 19:00 Dinner

19:00 – 24:00 Social event

09th October 2019 (Wednesday)

08:30-09:30 Registration

09:30 -10:00 Keynote speaker session

Chairwoman: Dagmar Cagáňová

09:30-10:00 **Peter Pišteň** - Vice-dean of Faculty of Informatics and Information Technologies, Slovak University of Technology in Bratislava - Communication Management in the New Generation of Coaches

10:00-10:30 Coffee Break

10:30-12:00 Speakers Session

Chairman: Emanuel Marinescu

10:30-10:45 **Bakhovskyy, Petro** (Lutsk National Technical University, Technological Faculty, Ukraine); **Yeysiuk, Mykola** (Lutsk National Technical University, Technological Faculty, Ukraine); **Zabolotnyi, Oleg** (Lutsk National Technical University, Technological Faculty, Ukraine); **Cagáňová, Dagmar** (Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Slovakia); **Tkachuk, Anatolii** (Lutsk National Technical University, Technological Faculty, Ukraine) – Stages of the Virtual Technical Functions Concept Networks Development (INVITED PAPER)

10:45-11:00 **Petrov, Tibor** (University of Žilina); **Dado, Milan** (University of Žilina); **Kováčiková, Tatiana** (University of Žilina) - Impact of ICT on Emergency Response Vehicle Driving Time in a Vicinity of Large Events (INVITED PAPER)

11:00-11:15 **Jafarzadeh, Pouya** (Turku University of Applied Sciences); Farahnakian, Fahimeh (University of Turku); **Paalassalo, Jari Pekka** (Turku University of Applied Sciences); **Eerola, Osmo** (Turku University of Applied Sciences) - IoT-based Household Energy Consumption Prediction Using Machine Learning

11:15-11:30 **Marchis, Gabriela** - Smart University: a Premise for Regional Development. Evidence from South-East Region of Romania (INVITED PAPER)

11:30-11:45 **Kolková, Zuzana** (University of Žilina, Research Centre); **Hrabovský, Peter** (University of Žilina, Research Centre); **Jandačka, Jozef** (University of Žilina); **Matušov, Jozef** (University of Žilina, Research Centre), **Skákalová, Zlatica** (University of Žilina, Research centre) - Intelligent energy monitoring and their impact on the working environment in the buildings (INVITED PAPER)

12:00-13:00 Lunch Break

13:00-14:45 Speakers Session

Chairman: Peter Pištek

13:00-13:15 **Sysoev, Anton** (Lipetsk State Technical University) - Developing Car Accident Detecting System Based on Machine Learning Algorithms Applied to Video Recordings Data

13:15-13:30 **Tkachuk, Anatolii** (Lutsk National Technical University, Technological Faculty, Ukraine); **Zablotskyi, Valentyn** (Lutsk National Technical University, Technological Faculty, Ukraine); **Zabolotnyi, Oleg** (Lutsk National Technical University, Technological Faculty, Ukraine); **Cagáňová, Dagmar** (Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Slovakia); **Yakymchuk, Natalia** (Lutsk National Technical University, Technological Faculty, Ukraine) - Basic Stations Work Optimization in Cellular Communication Network (INVITED PAPER)

13:30-13:45 **Budati, Dr. Anil Kumar, Valivety, Dr. Hima Bindu** (GRIET, Hyderabad, India) - Identify the User presence by GLRT and NP Detection Criterias in Cognitive Radio Spectrum

13:45-14:00 **Krestyanpol, Lyubov** (Lutsk National Technical University); **Palchevskiy, Bogdan** (Lutsk National Technical University); **Świć, Antoni** (Lublin University of Technology) - Directions of development of technological packing systems

14:00-14:30 Coffee Break

14:30-15:00 Speakers Session

Chairwoman: Natália Horňáková

14:30-14:45 **Jandačka, Jozef** (University of Žilina, Faculty of Mechanical Engineering, Department of Power Engineering, Slovakia); **Kantová, Nikola** (Department of Power Engineering, Faculty of Mechanical Engineering, University of Žilina, Slovakia); **Čaja, Alexander** (University of Žilina, Faculty of Mechanical Engineering, Department of Power Engineering Slovakia); **Holubčík, Michal** (Department of Power Engineering, Faculty of Mechanical Engineering, University of Žilina, Slovakia) - Particulate matter measurement by using the particle sizers APS and SMPS (INVITED PAPER)

14:45-15:00 **Suciu, George** (BEIA Consult International & UPB); **Necula, Lucian-Alexandru** (BEIA Consult International); **Jelea, Vladimir** (BEIA Consult International); **Cristea, Dragos-Sebastian** (University Dunarea de Jos); **Rusu, Carmen-Catalina** (ALT Factor); **Istodie, Luigi-Renato** (ALT Factor); **Ivanov, Marius** (ALT Factor) - Smart City platform based on citizen reporting service – (SKYPE PRESENTATION)

15:00-16:30 Poster Session

Buciuman, Catalin Marin (Technical University of Cluj-Napoca, Faculty of Machine Building, Department of Manufacturing Engineering, Cluj, Romania), **Vilau, Cristian** (Technical University of Cluj-Napoca, Faculty of Machine Building, Department of Manufacturing Engineering, Cluj, Romania), **Cagáňová, Dagmar** (Faculty of Materials Science and Technology STU in Trnava) **Borzan Cristina-Miron** (Technical University of Cluj-Napoca, Faculty of Machine Building, Department of Manufacturing Engineering, Cluj, Romania) - The analysis of different materials used for an electric car charger shell under the wind influence (INVITED PAPER)

Hrabovský, Peter (University of Žilina, Research Centre); **Kolková, Zuzana** (University of Žilina, Research Centre); **Jandačka, Jozef** (University of Žilina); **Matušov, Jozef** (University of Žilina, Research Centre); **Ďuriš, Lukáš** (University of Žilina, Research Centre) - Smart systems in buildings for efficient use of energy resources (INVITED PAPER)

Balog, Michal (Technical University of Košice); **Iakovets, Angelina** (Technical University of Košice); **Hrehová, Stella** (Technical University of Kosice) - Road Traffic RFID Pedestrians Detecting System for Vehicles (INVITED PAPER)

Cagáňová, Dagmar (Faculty of Materials Science and Technology STU in Trnava); **Jurík, Lukáš** (Faculty of Materials Science and Technology STU in Trnava); **Šantavá, Eva** (Faculty of Materials Science and Technology STU in Trnava); **Horňáková, Natália** (Faculty of Materials

Science and Technology STU in Trnava); **Sablik, Jozef** (Faculty of Materials Science and Technology STU in Trnava) - Industrial Enterprise Managers' Decision Making based on Sustainable Development Criteria (INVITED PAPER)

Ďurčanský, Peter (Department of Power Engineering, Faculty of Mechanical Engineering, University of Žilina, Slovakia); **Holubčík, Michal** (Department of Power Engineering, Faculty of Mechanical Engineering, University of Žilina, Slovakia); **Jandačka, Jozef** (University of Žilina, Faculty of Mechanical Engineering, Department of Power Engineering, Slovakia); **Malcho, Milan** (University of Žilina, Faculty of Mechanical Engineering, Department of Power Engineering, Slovakia) - Energy accumulation system based on gas hydrates (INVITED PAPER)

Stacho, Zdenko (Institut of Civil Society, University of Ss. Cyril and Methodius, Trnava, Slovakia); **Stachová, Katarína** (Institut of Civil Society, University of Ss. Cyril and Methodius, Trnava, Slovakia); **Cagáňová, Dagmar** (Faculty of Materials Science and Technology STU in Trnava)-The Key Managerial Competencies Tendencies Application in the Business Environment in Slovakia within the Context of Industry 4.0 (INVITED PAPER)

Knapčíková, Lucia (Technical University of Košice, Faculty of Manufacturing Technologies with a seat in Prešov); **Behúšnová, Annamária** (Technical University of Košice, Faculty of Manufacturing Technologies with a seat in Prešov); **Behún, Marcel** (Technical University of Košice, Faculty of Mining, Ecology, Process Control and Geotechnology, Institut of Earth Sources) - Sustainable Waste Materials for Customized Industry Applications (INVITED PAPER)

Cagáňová, Dagmar (Faculty of Materials Science and Technology STU in Trnava); **Vraňáková, Natália** (Faculty of Materials Science and Technology STU in Trnava); **Chlpeková, Andrea** (Faculty of Materials Science and Technology STU in Trnava) - Creativity of Different Managerial Generation Groups in the Slovak Industrial Enterprises

Trembošová, Miroslava (Constantine the Philosopher University in Nitra, Faculty of Natural Sciences, Department of Geography and Regional Development, Slovakia); **Dubcová, Alena** (Constantine the Philosopher University in Nitra, Faculty of Natural Sciences, Department of Geography and Regional Development, Slovakia); **Nagyová, Ľudmila** (Slovak University of Agriculture in Nitra, Faculty of Economics and Management, Department of Marketing and Trade, Slovakia); **Cagáňová Dagmar** (Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Institute of Industrial Engineering and Management, Slovakia) - Development of Retail Network on the Example of Three Regional Towns Comparison in West Slovakia (INVITED PAPER)

18:00-24:00 Gala dinner/Social evening with Slovak national music band- Rolland

10th October 2019 (Thursday)

09:00-11:00 Technical excursion across the Krynica- Zdrój Spa Town „Wieża Widokowa“
<https://wieszawidokowa.pl/>

11:00-12:00 Closing and awarding ceremony

12:00-13:00 Lunch