Keynote speakers

Chair: Veljko Milutinovic, MECO Advanced Research Chair

Ralf Herbrich, NVIDIA, An Artificial Intelligence Platform for Automated Vehicles

Iliyan Karanov, Professor Emeritus, Editor-in-Chief of SIMPAT Journal of Science, Department of Informatics, Aristotle University of Thessaloniki, Greece, Cloud vs Fog Computing – Scheduling Real-Time Applications

Erol Gelenbe, Fellow, IEEE, Smart Bracelets for Remote Monitoring of Wearers’ Physical and Affective State

Paul Hainsworth, Bristol University, UK, Pedagogy for Engineering and Digital Pedagogy

Ayhan Salkinoglu, Purdue University, USA, Sense and Sensibility: Challenges in Structural Engineering

Gorka Zurutuza, Florida Atlantic University, Boca Raton, Florida, USA, In the Middle of the Intent War for the Last Generation of Video Coding Standard

M.N. Daskilis, Indiana University, Bloomington, IN, USA, Using Data Analytics to Optimize Public Transportation on a College Campus

Renato Filipovic, University of Kragujevac, Serbia, In-Silico clinical trials as a new paradigm in medicine

Naphtali David Kisbe and Francisco Ortega, Florida International University, Miami, FL, USA, Smart Bracelets for Remote Monitoring of Awarers’ Physical and Affective State

Nikoilos Vore, the Coordinator of SMARTELLI 2020, Machine Learning for Network Routing

Amela Ajanovic, TU Wien, Energy Economics Group, Vienna, Austria, Prospects for electric vehicles and autonomous driving

Kirill Krichota, Head of Software Engineering and Computer Applications Department, Electrotechnical University “LETI”, Russian Federation.

Instructions:

Keynote speaker template
Draft Agenda and Presentation Notes
Prospects for Electric Vehicles and Autonomous Driving

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Abstract - Currently, the transport sector creates some of the major problems for society: increasing GHG emissions and local pollutions, as well as accidents. There are expectations that electric vehicles can solve some of the environmental problems. However, accidents due to individual human behavior still pose a significant threat. The core objective of this paper is to analyze possible joint solutions linking E-mobility with autonomous driving. The success of these alternative and innovative solutions are very dependent on their costs, environmental aspects, as well as their reliability and safety. Although, a combination of electric vehicles and autonomous driving could solve some of the problems in the transport sector, there is a still lack of knowledge, experience and broad acceptance posing some of the major barriers.

Keywords – passenger cars, emissions, costs, battery, vehicle to grid

References related to the talk:
https://doi.org/10.1007/s10668-018-0190-3
https://doi.org/10.1002/wene.318

About the Speaker
Amela Ajanovic received her Ph.D. title in 2006 and defended her habilitation in 2016 at Technische Universität Wien. She is a senior researcher and lecturer at the Institute of Energy Systems and Electrical Drives at Technische Universität Wien. She is author of more than 50 papers in peer reviewed conference proceedings and international journals with more than 1000 citations. She supervised 13 successfully defended master theses. She is a principal investigator of several national and international projects. Her current teaching and research focus is on alternative fuels and alternative automotive technologies, energy efficiency, energy policy, modeling and scenarios. She was program committee member of many international conferences. She is also on the editorial board of journals, (e.g. Economics of Energy & Environmental Policy, Int. Journal of Energy Production and Management). She edited two books and two special issues for peer-reviewed international journals (Energy Policy, and International Journal of Energy Technology and Policy). Since 2012 she is scientific coordinator of the Interdisciplinary Bilateral Czech-Austrian Winter and Summer School on “Energy Systems”.

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