International Workshop on Smart Vehicles: Connectivity Technologies and ITS Applications (SmartVehicles 2016)

It is our great pleasure to welcome you to the 3rd IEEE Workshop on Smart Vehicles: Connectivity Technologies and ITS Applications (SmartVehicles’16), which is held in conjunction with the 13th IEEE International Symposium on a World of Wireless Mobile and Multimedia Networks (WoWMoM’16). The aim of this workshop is to bring together academics, industry professionals, and application developers to present recent developments, current research challenges, and future directions in the area of connected and smart transportation.

This year the workshop received 25 submissions, out of which the members of the Technical Program Committee identified 10 high quality papers for presentation in the workshop (acceptance rate: 40%). Accepted papers depict the breadth of research conducted under the smart transportation umbrella, covering topics in communications and networking, transportation engineering, security, machine learning, and cloud computing. In addition to oral presentations, the workshop will feature an hour-long poster and demo session, where the authors of accepted papers will be able to showcase the more practical aspects of their work. The poster and demo session will also feature the outcomes of AutoNet 2030, a research project on connected autonomous driving funded by the EC.

The workshop program also includes a keynote talk given by Dr. Steven E. Shladover, Program Manager at the California PATH Program and one of the pioneers of research on automated highway systems. His talk, entitled “Future Prospects for Connected Automated Vehicle Systems”, will provide a science-backed antithesis to the overwhelming media hype surrounding autonomous driving. Dr. Shladover will discuss the importance of combining connectivity with automation in order to improve traffic flow. He will also discuss the likely timeframe when a substantial number of highly automated vehicles will be able to make strong impacts on transportation system performance.

The organization of this workshop has been possible due to the hard work and dedication of many colleagues. First, we would like to thank all the authors for submitting their high quality work to the workshop. Special thanks are due to the members of the Technical Program Committee and to all external referees for their invaluable contributions in completing the review process. Finally, we would like to thank Toyota InfoTechnology Center, U.S.A., Inc., for sponsoring the Keynote talk.

We truly hope that you will find the workshop program interesting and join us in Coimbra, Portugal.

Andreas Festag, Technical University Dresden, Germany
Mate Boban, Huawei European Research Center, Germany
John B. Kenney, Toyota InfoTechnology Center, USA
João P. Vilela, University of Coimbra, Portugal

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