

IEEE AMC2018

(THE 15TH INTERNATIONAL WORKSHOP ON ADVANCED MOTION CONTROL)

9 - 11 MARCH 2018, TOKYO, JAPAN

Special Session on

**“Advanced Motion Control Systems for Smart, Green and
Integrated Vehicles”**

Organized by

Principal Organizer(s):

Valentin Ivanov

valentin.ivanov@tu-ilmenau.de

Automotive Engineering Group, TU Ilmenau, Germany

Aldo Sorniotti

a.sorniotti@surrey.ac.uk

Centre for Automotive Engineering, University of Surrey, UK

Barys Shyrokau

b.shyrokau@tudelft.nl

Intelligent Vehicles & Cognitive Robotics, Delft University of Technology, The Netherlands

Call for Papers

Theme:

Automotive Engineering, both as highly interdisciplinary research discipline and technological domain, receives a profound impact from emerging safe, green environment and user-oriented intelligent technologies. As a result, nowadays there is a strong trend towards the transformation from traditional passenger cars and commercial vehicles to complex systems interconnected with environment, infrastructure and users through numerous information channels. In this regard, the purpose of this Special Session is to provide a research forum for generating and exchanging the ideas and results achieved in the areas, which are closely related to innovative technologies for automated, electric and connected vehicles and their systems.

Topics of interest include, but are not limited to:

- Electric vehicles
 - Automated vehicles with and without pilot/driver
 - Automotive mechatronics
 - Vehicle dynamics and control
 - Advanced chassis and powertrain systems
 - Advanced driver assistance systems
 - Sensing, estimation and actuation for automotive applications
 - Sensor fusion technologies and environment perception.
-
- **IES Technical Committee Sponsoring the Special Session (if any):**