



Workshop on Latest Automotive Control Applications

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Abstract

Automotive control applications have always been hot topics in Mechatronics field, and there are a wide range of research topics on efficiency, comfort and safety. Covering a broad area of automotive-related control applications such as suspension energy harvesting, multiple vehicle control, wireless charging for in-wheel motors, etc., this workshop aims at providing a chance for researchers working on vehicle systems, to exchange their recent findings as well as ideas and discussions on the future research and potential collaborations.

Invited Speakers and Presentation Titles

1. Advanced Control of Electric Vehicles and Development of Wireless In-wheel Motors for Dynamic Charging

Prof. Hiroshi Fujimoto, The University of Tokyo

2. Intelligent Driving for Industry Needs

Mr. Shunli Xiao, Hong Kong Productivity Council (HKPC)

3. Vibration Energy Harvesting for self-powered automotive sensors

Prof. Zhengbao Yang, City University of Hong Kong

4. Intelligent management and coordination of autonomous vehicles at the intersection

Prof. Lin Wang and Mr. Zhaokun Shen, Shanghai Jiao Tong University

5. The “MULTI” Concepts in Connected and Automated Vehicle Systems

Prof. Yafei Wang, Shanghai Jiao Tong University