

# Call for Papers

## 2017 International Conference on Advanced Vehicle Powertrains

September 25-27, 2017, Hangzhou, Zhejiang, China (<http://www.icavp2017.org>)



The 2017 International Conference on Advanced Vehicle Powertrains (ICAVP'2017) is aiming to bring together industry and academic experts in the fields of vehicle powertrains and automation. It will open up presentations and discussions on the solutions to both latest and future challenges among the development of the following frontiers, but not limited to

### Organization

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#### Program Chair

Prof. Xiaoli Yu

#### Program Co-Chair

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Dr. Chen Lv, Cranfield University, UK

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Dr. Stuart Rowell, AVL Powertrain UK, UK

Dr. Feihu Zhang, TU Munich, Germany

Mr. S. Petrovich, Ford-Werke GmbH, Germany

Prof. J. Deur, University of Zagreb, Croatia

Dr. Günter Offner, AVL, Austria

Prof. Rui Chen, Loughborough University, UK

Mr. Alan Williams, JCB Transmissions, JCB, UK

Prof S. Ali Jazaeri, IAUA University, Iran

Prof. Guangdi Hu, Southwest Jiaotong Uni., China

### Vehicle Powertrains

- Engines/transmissions/drivelines
- Energy management strategies for multi-modes of propulsion
- Innovative energy efficient technologies
- Advanced energy conversion
- Electric drive systems
- Powertrain integration/control/optimization/diagnosis
- Networked systems
- Software development for powertrain control; real-time simulation
- Experimental investigations, model validation
- Component and powertrain-in-the-loop techniques
- Advanced engine technology, advanced techniques in emission reductions
- Analysis/assessment of impact on energy utilization and environment

### New Energy Vehicles & Technology

- New energy research
- Advanced propulsion systems
- Electric powertrain and components
- Charging technology & infrastructure
- Power battery and BMS
- Automotive electronics
- Fuel cell
- Electric transportation systems

### Autonomous Vehicles & Technology

- ADAS system
- V2X technologies
- Autonomous driving technologies
- By-wire technologies
- Driver state and behavior recognition
- Intelligent HMI (Human Machine Interface)
- Environmental sensors and sensor fusion
- Universals of intelligent and connected vehicles
- Modeling, simulation, testing and evaluation technologies of intelligent vehicles
- Intelligent transportation system (ITS)

ICAVP'2017 invites full papers describing original and yet unpublished work. All papers must include title, complete contact information for all authors, abstract, and keywords on the cover page. Research papers reporting on new development of powertrains for conventional, hybrid and electric vehicles, while industry and development papers reporting on actual developments of technology, products, systems and solutions. In addition, ICAVP will invite keynotes, organize workshop and panels. Best papers will be selected for award.

**Paper Submission:** Papers must be submitted in PDF format. Detailed submission instructions refer to the conference website. Direct your questions to Program Chairs: Prof. Xiaoli Yu ([yuxl@zju.edu.cn](mailto:yuxl@zju.edu.cn)) and Dr. Dongpu Cao ([d.cao@cranfield.ac.uk](mailto:d.cao@cranfield.ac.uk)).

### KEY DATES

#### Paper Registration

January 25, 2017

#### Paper Submission

March 25, 2017

#### Notification

April 25, 2017

#### Final Paper

May 25, 2017



Int. J. of Powertrains

