

# Sophia Workshop at Dalian

July 29, 2017 (Saturday)



## Organizers:

Shen Laboratory, Sophia University

Key Laboratory of Intelligent Perception and Advanced Control, State Ethnic Affairs Commission (Dalian Minzu University)

Technical Committee on Vehicle Control and Intelligence, CAA

## Venues:

Dalian Minzu University

No. 18, Liaohe West Road, Jinzhou New District, Dalian

Tang Dynasty Hot Spring Hotel

No. 99, Dianchi Road, Jinzhou New District, Dalian

## Steering Committee :

Rubo Zhang (Dalian Minzu Univ.)

Yuhu Wu (Dalian Univ. of Technology)

Jinwu Gao (Jilin Univ.)

Mingxin Kang (Sophia Univ.)

Jiangyan Zhang (Dalian Minzu Univ.)

## Future of Control Technologies and Industrial Applications

The objective of this workshop is to provide young researchers with an opportunity to better understand the challenges and academic trends in mathematics and control fields, and also to enhance the academic-industrial connections. The workshop will invite the world-leading experts from academic and automotive industry to deliver exciting presentations and provides interactive discussions.

### Program:

#### □ Opening Address

10:20-10:30 Prof. Rubo Zhang (Dalian Minzu University)

#### □ Technical Session I (Chair: Dr. Yuhu Wu)

10:30-11:30 **Foundation and Frontier of Logical Control Systems**

Prof. Daizhan Cheng (Academy of Mathematics & Systems Science, CAS)

11:30-12:00 Discussion

12:00-13:30 **Lunch**

#### □ Technical Session II (Chair: Prof. Tielong Shen)

13:30-14:30 **Synchronization Problems of Variant Kuramoto Models**

Prof. Xiaoping Xue (Harbin Institute of Technology)

14:30-15:00 Discussion

15:00-17:00 **Transfer to Hotel (Tang Dynasty Hot Spring Hotel)**

#### □ Academic-Industrial Round-Table Discussion (Chair: Prof. Tielong Shen)

19:30-21:00

- Logical systems and its industrial application
- Challenging issues in Engine-Powertrain ECU development
- What is the main expectations by automotive industry on powertrain control research?
- What challenges will be brought with the development of the autonomous driving and intelligent transportation technologies?
- ...

Official Language: English/Chinese

More information please visit <http://shenlab.jp/en/news/sophiaworkshop2017/announcement>

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