

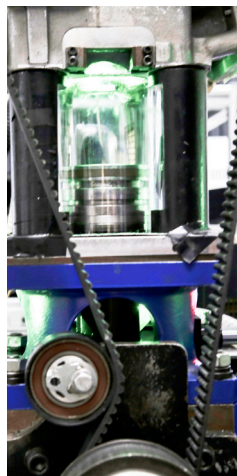


Institute of Automotive Engineering



1. Description

The Institute of Automotive Engineering at Shanghai Jiao Tong University was founded in 2006. It is a world-class automotive research institution and is supported by the National Engineering Laboratory for Automotive Electronic Control Technology. The institute provides a unique platform for automotive research and engineering at SJTU in various thrust areas including advanced engines, electronic controls, electric vehicles and vehicle dynamics, etc., with strong financial support from both government agencies and industrial partners. It has actively participated in many international academic activities on behalf of research communities in China and Asia. There are currently 7 professors, 5 associate professors, 1 assistant professor, and 100 graduate students working in the institute.



2. Key Research Fields

- Combustion and Spray Analysis
- Engine Control System
- Transmission System and Control
- Vehicle Chassis Technologies
- Vehicle Dynamics
- Electrified & Hybrid Powertrains
- Automotive Electrical Control
- Vehicle-to-everything (V2X) technologies

3. Labs, Centers and Groups

- Automotive engine research center
- Automotive electronics research center
- Chassis & control research center

4. Instrumentation & Facilities

- Engine and chassis dynamometers
- Emission benches
- Spray and combustion diagnostic benches
- Noise, vibration, and harshness (NVH) facilities for powertrain
- Hybrid powertrain benches
- Vehicle control and execution benches
- Electric vehicle test benches

5. Website

<http://www.auto.sjtu.edu.cn/>

6. Director

Director: Prof. XU Min

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