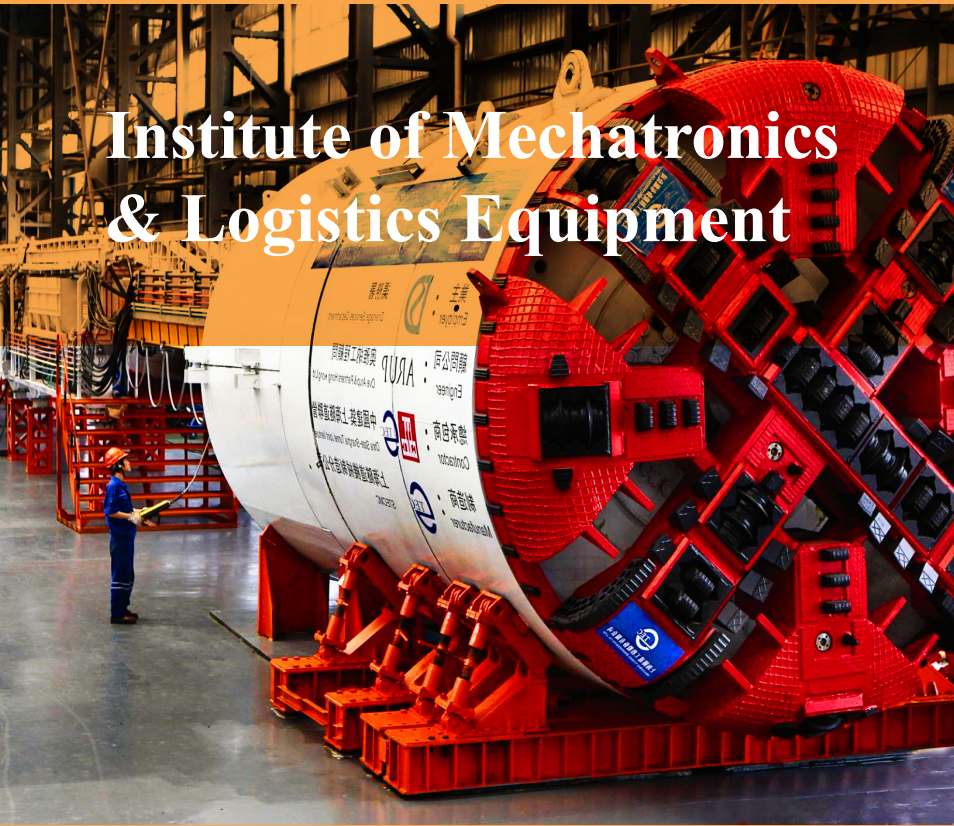




Institute of Mechatronics & Logistics Equipment



1. Description

The Institute of Mechatronics and Logistics Equipment (IMLE) is one of the first institutions studying the hydraulic/pneumatic power transmission and the hoisting/constructions in China. Currently there are 4 professors, 10 associate professors and 2 assistant professors working with this institute. The researches of IMLE span from fluid transmission and control, intelligent agricultural equipment, smart elevator, to preventive & predictive maintenance. The major researches sponsors of IMLE include Chinese government funding agencies and reputed industry companies. The IMLE owns many state-of-the-art facilities which can offer great opportunities for student innovations.

2. Key Research Fields

- Fluid Transmission and Control
- Intelligent Agricultural Equipment & Agricultural Robotics
- Logistics Equipment & Automation
- Remote Monitoring & Intelligent Maintenance
- Smart Elevator and Predictive Maintenance

3. Labs, Centers and Groups

- Elevator test center (Notified Body of China for Elevator Type Test)
- SMC pneumatic technology center
- Center for remote monitoring and intelligent prognostic health maintenance
- Scientific innovation center for intelligent agriculture robotics
- Fluid power control lab

4. Instrumentation & Facilities

- Elevator testing tower
- Elevator inspection and testing facilities

5. Website

<http://mi.sjtu.edu.cn/>

6. Director

Director: Prof. LIU Chengliang

Email: chliu@sjtu.edu.cn

