

# College of Engineering, Huzhou University

## 1. Brief Introduction

### Faculties:

College of Engineering, which was formerly part of College of Information and Engineering, was established in December, 2013. The college has 43 faculties members, including 6 professors, 3 associate professors, 24 lecturers, among whom two scholars are selected as part of National ‘One-thousand-talent Plan’ and the Young Academic Leaders of Zhejiang province, respectively; and another two scholars are members of ‘1112 Talent Project’ of Huzhou.

### Majors:

The College offers three undergraduate majors, including Mechanical Design and Manufacturing & Automation, Mechanical & Electronic Engineering, and Electrical Engineering & Automation. Two majors, Mechanical Design and Manufacturing & Automation and Electrical Engineering & Automation, are selected as the Emerging Specialty Major of Zhejiang Province, the former is also the Key Major in Huzhou University.

### Students:

Currently, there are approximately 900 undergraduate students in the college.



College buildings



The campus landscape

## 2. Teaching

### **Teaching conditions:**

With remarkable results in course construction, the college boasts 4 excellent courses above university-level, including 2 at provincial level and 1 Provincial Teaching Reform Project. The college actively explores "cooperation between campus and local enterprise" mode, with more than 10 off-campus practice bases among which one is at national level and one provincial level, and one university-level cooperation base, as well as one university-level mode reform experimental base for personnel training. It forms a relatively complete practice teaching system on and off campus.

### **Major education accomplishments:**

The college focuses on capability of innovation and technological engineering application among students. Therefore, there are outstanding achievements on students' academic competitions and technological innovation. Students have won the Second Prize in the National Undergraduate Mechanical Innovational Design Competition of China in 2010, the First Prize in the National Undergraduate Mechanical Innovational Design Competition of China in 2012, as well as great achievements in National Undergraduate Electronic Design Contest and National Undergraduate Students 'Freescale Cup' Intelligent Car Competition of China. In recent three years, 5 projects have been approved by the National Undergraduate Training Programs for Innovation and Entrepreneurship, as well as 9 projects selected

by Zhejiang Provincial Undergraduate Scientific and Technological Innovation Project of China, and more than 50 academic paper publication and more than 200 patents in practice. Hence, our graduates are highly competitive in job market.

### 3. Laboratory

The Mechanical Electronic Engineering Experimental Teaching Center includes 1 Provincial Electronic Information and Experimental Teaching Demonstration Center, 1 Mechanical Engineering Experimental Teaching Center, with a total of 25 experimental compartments. The college also occupies a huge area of experimental space amounting to 4,000 square meters and owns laboratory equipment worth 12 million yuan. Besides undertaking experimental and practical courses of three majors in the college, the center also takes responsibility for practice teaching and students' research activities of engineering specialty all over the university.



Sensors and Detection Technology Laboratory



Control Theory and Technology Laboratory



Mechanical Design and Innovation Laboratory



Mechatronics Laboratory



Interchangeability and Measurement Technology Lab



Mechanical Principles Laboratories



Engineering Mechanics Lab



Advanced Manufacturing Technology Training Base

## 4. Research

Cooperating with various local industries, the college has made a significant progress in discipline and team building in order to serve the local economic development. In no more than three years, teaching staff has won two projects sponsored by the National Natural Science Foundation of China, seven provincial projects, and also more than 20 projects funded by industries and enterprise, comprising a total of more than 300 million yuan funding in Research Projects entrusted by Enterprises. A total of more than 120 academic papers have been published, involving more than 50 papers indexed by SCI or EI database.

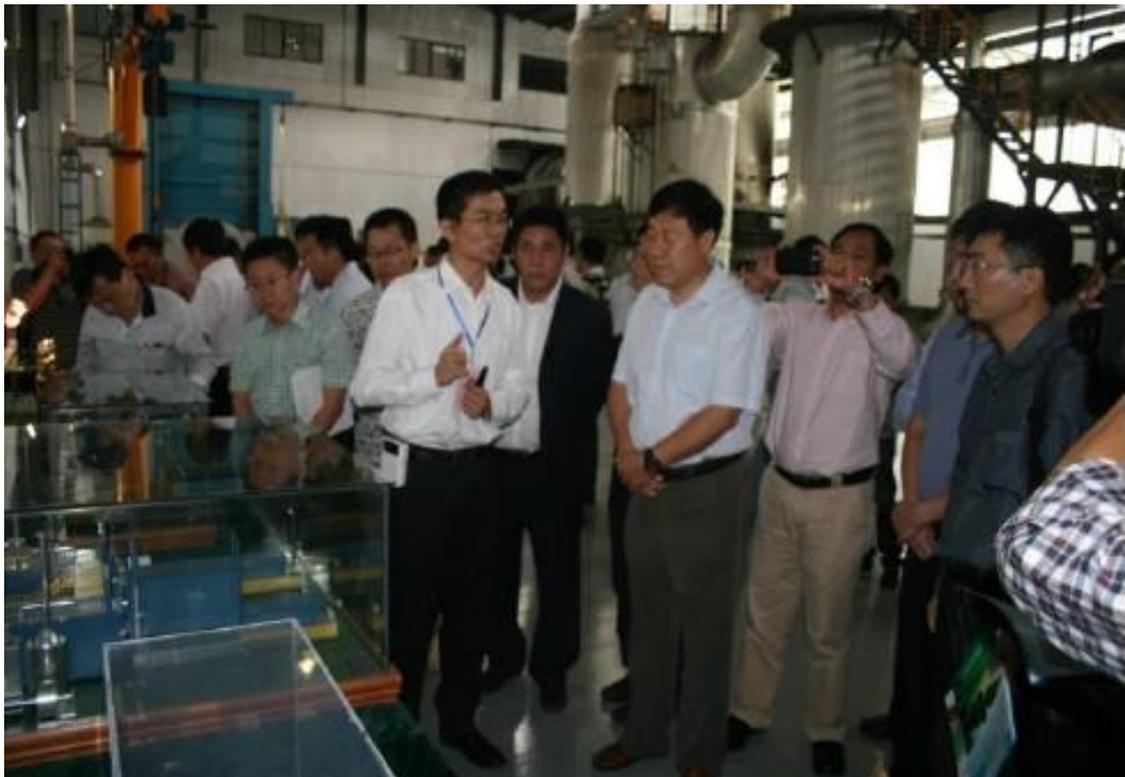
### Research Institutes:

#### (1) Advanced Design and Manufacturing Institute

Advanced design and manufacturing institute, founded in 2011, is a university-level institution. It is mainly composed of scholars from subjects of Mechanical Manufacturing and Automation which have been supported by Huzhou University. The members include 'One-thousand-talent Plan' of China, 4 professors, 1 associate professor and 12 lecturers.

### Research Area:

- hydraulic and pneumatic drive
- electromechanical equipment control
- vibration control and application
- design and manufacture of environmental equipment
- mold design and manufacturing
- advanced manufacturing and processing
- image processing and pattern recognition
- management information system and integrated control of enterprises



Tour visit led by Deputy Minister of Agriculture Kangzhen Yu

### (2) Information and Control Technology Institute

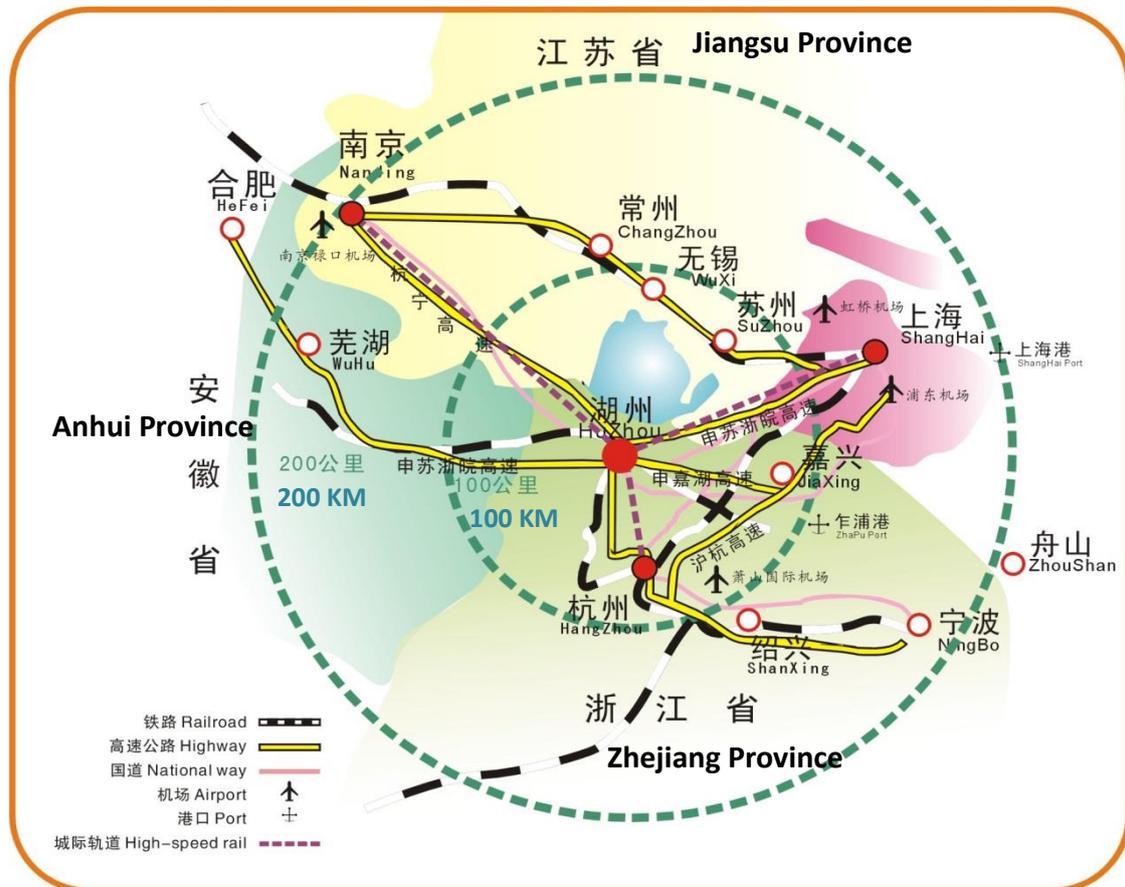
The Information and Control Technology Institute was renamed in 2011, formerly known as the Institute of Applied Electronics Technology which was established in 1998. Focusing on frontier disciplines and technological innovation, the institute aims at service to the market-oriented local industry. The institute has 17 faculty members, including 4 professors and 5 associate professors.

### Research Interest:

- fault diagnosis and security for control system
- networked control systems
- pattern recognition and information processing
- electronics and information technology; integrated automation system

- intelligent control for advanced equipment; transforming and upgrading for traditional machine
- real-time monitoring and flexible scheduling and optimization for process-oriented production
- development and design of intelligent detection instrumentation or system

## 5. Location



## 6. Contact Us

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