



Introduction

The School of Electronic Information and Electrical Engineering (SEIEE) boasts seven national top-ranking and global high-reputation first-tier disciplines: Information and Communication Engineering, Control Science and Technology, Computer Science and Technology, Electronic Science and Technology, Software Engineering, Instrument Science and Technology, and Electrical Engineering. According to the 2012 First-tier Discipline Evaluation result from China Academic Degrees and Graduate Education Development Center, all the disciplines rank top 10 in China. In the 2015 QS World Rankings, Electronic and Electrical ranked top 50 (which also ranked No. 2 in China), while Computer and Information ranked top 100 (which also ranked No. 4 in China).

SEIEE features 8 State Key Research Labs, 14 Provincial and Ministerial-level Key Research Labs, one State Engineering Elementary Course Electrics and Electronics Teaching Base, one State Electrics and Electronics Experimental Teaching Demonstration Center, and one State Integrated Circuits Professional Training Base. SEIEE targets at international frontier science and technology, satisfies national significant demand, strengthens innovative platform and team building, which leads to 8 prizes that include the second prize in National Nature Science, the second prize in Technical Invention, and the second national prize in Technical Progress. SEIEE insists internationalization and concentrates on cultivating talents with international minding and competence. The number of visiting students ascends every year.

School of Electronic, Information and Electrical Engineering

Subject Fields	Research Contents
Electrical Engineering	Electric Machines and Electric Apparatus, Electric Power System and Its Automatization, High Voltage and Insulation Technology, Power Electronics and Power Drives, Theory and New Technology of Electrical Engineering.
Control Science and Engineering	Control Theory and Control Engineering, Detection Technology and Automatic Equipment, Systems Engineering, Pattern Recognition and Intelligent Systems.
Computer Science & Technology	Computer System Structure, Computer Software and Theory, Computer Application Technology, Advanced Computer Architecture and Chip Technology, Information Safety.
Electronic Science and Technology	Circuits and Systems, Electromagnetism Field and Microwave Technology, Integrated Circuits Design.
Information & Communication Engineering	Communication and Information System, Signal and Information Process, Information Safety.
Instrument Science and Technology	Precision Instrument and Machinery, Measuring and Testing Technologies and Instruments, Navigation, Guide and Control.
Software Engineering	Software Engineering
Network Space Security	Network Space Security

➤ The Second Prize of National Science and Technology

- 2009 International Standard and Application of ITU-T Multimedia Business Series
- 2010 Key Technology of Disaster Prevention in Urban Power System and its Application
- 2011 Research and Application on the Key Optional Operation Technologies of the Complex Hydropower Energy System
- 2012 RF Electronic System of 3D High Density Packaging Technology
- 2012 Dynamic Brian Modeling, Positioning and Functional Protection with its Applications in Neural Surgery Navigation
- 2014 Multifunctional Molecular Imaging Theranostic Technology and Application on Tumor
- 2014 The Key Supporting Technologies and Applications of Running Virtual Machines

➤ The Second Prize of National Technological Innovation Award

- 2012 Dynamic Brian Modeling, Positioning and Functional Protection with its Applications in Neural Surgery Navigation

Renowned Professors

Name	Research Fields
HE Zuyuan	Fiber-optic Application Technology
DENG Xiaotie	Algorithmic Game Theory
JIA Weijia	Computer Science and Technology
ZHANG Yafei	Nano-materials and Apparatus
YU Wenxian	Radar Target Recognition
MAO Junfa	Electromagnetic Field and Microwave Technology
GUAN Xinping	Control Science and Engineering Technology
WANG Xiaofan	Control Science and Control Engineering
CUI Daxiang	Nano-material
GU Dawu	Cryptology
MA Lizhuang	Computer Application Technology
FU Yuxi	Computer Application Technology
GUO Minyi	Computer Application Technology
LI Shaoyuan	Control Science and Control Engineering
CHEN Guihai	Wireless Network
ZHANG Weidong	Control Science and Control Engineering
YANG Xiaokang	Communication and Information System
WANG Xinbing	Wireless Network Coding

Platforms for Scientific Innovation

- State Key Laboratory on Local Fiber-Optical Communication Networks and Advanced Optical Communication Systems
- State Key Laboratory on Micro/Nano Process Technology
- Shanghai Key Laboratory of Scalable Computing and Systems
- National Engineering Center of Digital TV
- National Engineering Lab for TFT-LCD Materials and Technologies
- National Engineering Lab for Information Content Security
- State Energy Smart Grid R&D Center (Shanghai)
- Future Media Network Collaborative Innovation Center



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