

COLLEGE OF ELECTRICAL ENGINEERING

ZHEJIANG UNIVERSITY



**ELECTRICAL ENGINEERING
INTERNATIONAL
SUMMER SCHOOL**

June 24- July 24, 2019

Hangzhou, China



Electrical Engineering

International Summer School Program 2019



ABOUT US

Located in Hangzhou – one of China's most picturesque cities – Zhejiang University is prestigious, research-led university with a world-class teaching quality.

During the summer school program, students will specialize in electrical engineering areas and participate in research internship and interactive workshops. Students will engage their intellectual curiosity with ZJU faculty, build a new network of friends, and expand understanding of the world.

The summer school will be led by academic instructors from the College of Electrical Engineering at ZJU, in partnership with local postgraduate or PhD students.

Welcome to Zhejiang University

PROGRAM HIGHLIGHTS

AN AUTHENTIC TASTE OF UNIVERSITY RESEARCH

You'll conduct your research with professors at ZJU as well as industry experts with decades of experience.

CHOOSE FROM 13 PROJECTS

Study with us this summer and choose the projects you are interested in. You'll get inspiration in your research. We offer 13 projects for you to choose. As long as you're motivated, the summer school will help you to deepen your research within the field of study.

ESTABLISH A NETWORK FOR THE FUTURE

You'll be studying alongside foreign students from around the world. The professional and academic networks you'll develop here will support you wherever your career takes you.

EXPLORE CHINESE CULTURE

You will experience extensive activities introducing you to some of the traditional aspects of Chinese culture along with the opportunity to interact with other students in a fun and lively environment.

PROGRAM INTRODUCTION

Electrical Engineering International
Summer School has the following two
directions:

Emerging Smart Energy Technology

Robotics and Internet of Things Technology

For each direction, the program offers
several supervisors with different research
projects.



APPLICATION

PARTICIPANTS

We expect 16 foreign participants - MSc. students or
PhD students in Electrical Engineering major or
related majors from universities around the world.
Participants can experience the relevant technologies
during hands-on researches.

REGISTRATION

Applications should be submitted through e-mail.
Please send your CV to xingzhou@zju.edu.cn

APPLICATION DEADLINE

May 26, 2019

ACCOMMODATION

We offer free accommodation service.

PROGRAM FEE IS FREE!



RESEARCH DIRECTIONS

Emerging Smart Energy Technology

OUR SUPERVISORS

01 Prof. SHENG Kuang



Project: Wide bandgap semiconductor power device
Personal Website: <https://person.zju.edu.cn/en/shengkuang>
Email: shengk@zju.edu.cn

02 Prof. SHEN Jianxin



Project: Multi-physics analysis and design for electrical machines
Personal Website: <http://mypage.zju.edu.cn/en/jxs>
Email: j_x_shen@zju.edu.cn

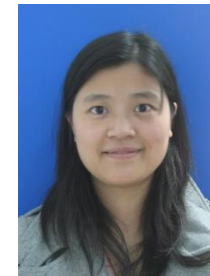
03 Prof. FANG Youtong



Project: Special Motors and Driving Technology
Personal Website: <https://person.zju.edu.cn/en/youtong>
Email: youtong@zju.edu.cn

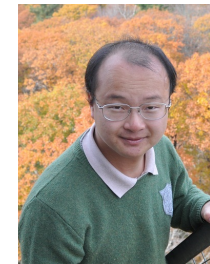
OUR SUPERVISORS

04 Prof. HUANG Xiaoyan



Project: The electrical motor drive system for robotics
Personal Website: <https://person.zju.edu.cn/en/hxy>
Email: xiaoyanhuang@zju.edu.cn

05 Prof. LI Wuhua



Project: Converters and controls of DC grid
Personal Website: <https://person.zju.edu.cn/en/woohualee>
Email: woohualee@zju.edu.cn

06 Prof. DING Yi



Project: Demand side management in the electricity market environment
Personal Website: <https://person.zju.edu.cn/en/110>
Email: yiding@zju.edu.cn

OUR SUPERVISORS

07 Prof. CHEN Xiangrong



Project: Research of the space charge characteristics of 500 kV HVDC XLPE cable insulation

Personal Website: <https://person.zju.edu.cn/en/xc>

Email: chenxiangrongxh@zju.edu.cn

08 Prof. WAN Can

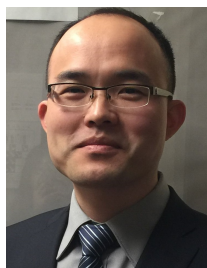


Project: Optimal control of active distribution network with distributed renewables

Personal Website: <https://person.zju.edu.cn/en/canwan>

Email: canwan@zju.edu.cn

09 Prof. ZHONG Wenxing



Project: Study of dynamic topology for wireless EV charging

Personal Website: <https://person.zju.edu.cn/en/zhong>

Email: wxzhong@zju.edu.cn

RESEARCH DIRECTIONS

Robotics and Internet of Things Technology

OUR SUPERVISORS

01 Prof. XU Wenyuan

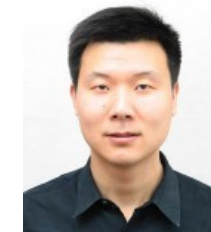


Project: IoT Security

Personal Website: <http://www.cse.sc.edu/~wyxu>

Email: wyxu@zju.edu.cn

02 Prof. XIANG Ji



Project: Distributed Optimization and flexible control of power systems

Project: Control of quadrotor autonomous underwater vehicles

Personal Website: <https://person.zju.edu.cn/en/jxiang>

Email: jxiang@zju.edu.cn

03 Prof. YANG Qiang



Project: Smart multi-energy system modeling and learning based optimization

Personal Website: <https://person.zju.edu.cn/en/qyang>

Email: qyang@zju.edu.cn

SUN	MON	TUE	WED	THU	FRI	SAT
	24	25	26	27	28	29
	Registration & Welcome Banquet	Opening Ceremony & Ice Breaking	Research Proposal		Emerging Electric Engineering Technology Forum	To visit Wesk Lake & China National Silk Museum
30	1	2	3	4	5	6
No activity	To visit labs of College of Electrical Engineering	Research Project			Visit International Campus & Zijingang Campus of ZJU	To experience Chinese culture, such as tea culture, calligraphy, etc.
7	8	9	10	11	12	13
No activity	Research Project	Company Visiting (Alibaba)	Research Project			Academic workshop with postgraduates of EE College
14	15	16	17	18	19	20
No activity	Company Visiting (Hikvision)	Research Project				Cook Chinese dinner together
21	22	23	24			
No activity	Research Project		Presentation & Awarding Ceremony			

PROGRAM AGENDA

The agenda may change under certain circumstances.

HOW TO GET TO OUR CAMPUS?

From Hangzhou Xiaoshan International Airport to ZJU

Distance: 38.4kms

Taxi- the taxi queue is located on the ground floor outside the domestic terminal.

Total price to get to Yuquan campus (including highway fee) should be around 150-200 RMB.

Bus- there is an airport shuttle bus, which will take you to the Wulinmen CAAC Air Ticket Office (close to Wulinmen square) from where you can take taxi to Yuquan Campus. Follow signs at airport to find office to buy the ticket. Cost is 20 RMB, and taxi from Wulinmen square should be no more than 30 RMB to Yuquan Campus.



CONTACT US

Contact: Ms. Zhou

E-mail: xingzhou@zju.edu

Tel: +86+571+87951867

Address: College of Electrical Engineering, Yuquan Campus,
Zhejiang University, 38 Zheda Road, Hangzhou, China, 310027

ABOUT THE EE COLLEGE

The College of Electrical Engineering (the EE College) at Zhejiang University, one of the oldest electrical engineering departments in China, has since 1920 graduated over 25,000 students, including 22 academicians of the Chinese Academy of Science and the Chinese Academy of Engineering. With over 100 faculty members, the College currently has about 1500 registered full-time undergraduate students, 600 master students and 350 doctoral students. The mission of the College is to educate students with leadership, global vision, innovation awareness and full readiness for their chosen fields.

EE College Website: <http://ee.zju.edu.cn/>



ABOUT ZHEJIANG UNIVERSITY

Zhejiang University (ZJU) is one of China's top higher education institutions, as well as one of its oldest; its roots can be traced back to 1897. The University is organized across seven faculties and 36 schools. It is home to 3,611 full-time faculty members, including 41 members of the Chinese Academy of Sciences and the Chinese Academy of Engineering. ZJU has 53,673 students, over 53% of whom are postgraduate students.

Laying claim to several areas of research strength, ZJU currently ranks among the top three on Chinese mainland and within the top 100 in the Times Higher Education World Reputation Rankings and QS World University Rankings.

ZJU Website: <http://www.zju.edu.cn/english/>

WELCOME TO Hangzhou

Situated in the southern end of the Beijing-Hangzhou Grand Canal, the city of Hangzhou, one of the seven ancient national capitals in China, is endowed with over 2,000-year history, rich culture, and breathtaking scenery.

Hangzhou has long been a famous tourist attraction. There were inhabitants in the Hangzhou area since ancient Liangzhu Culture known as "the Dawn of Civilization". The widely expressed Chinese proverb, "in heaven there is paradise and on earth there are Hangzhou and Suzhou" perfectly combines with the words of Marco Polo, an ancient Italian tourist who described this place as "the most beautiful and magnificent city in the world", which have helped to make Hangzhou one of the popular tourist attractions worldwide. The City perfectly integrates canal, rivers, lakes, and hills in harmony. The River Qiantang, renowned for its magnificent tide, cuts the city in half; the tranquil, willow-shaded West Lake, a UNESCO World Heritage Site, provides a spiritual retreat for its residents and visitors; adjacent to the lake, are hills which accounts for over a half of the City area.

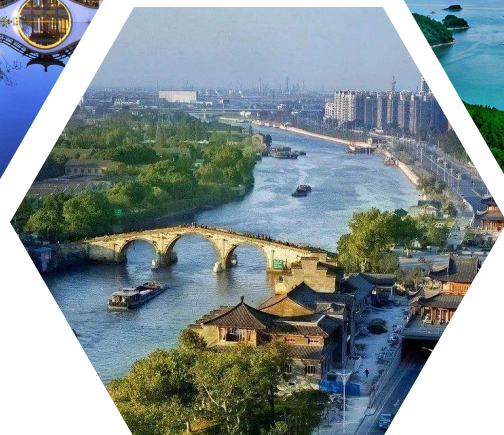
West Lake



Xixi Wet Lake



Thousand Island Lake

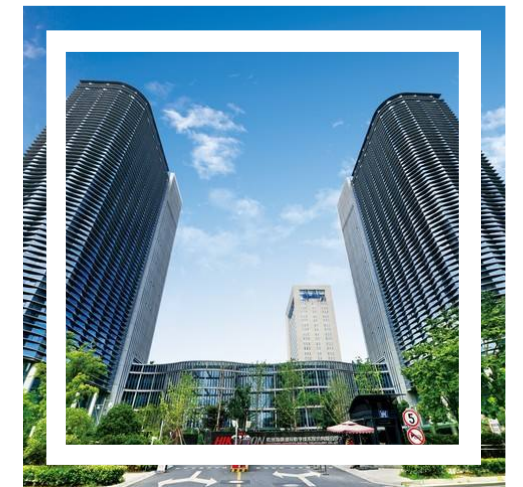


Beijing-Hangzhou Grand Canal

HIKVISION



Hangzhou Hikvision Digital Technology Co., Ltd., established in November 2001, is a Chinese manufacturer and world's largest supplier of video surveillance products based in Hangzhou, China. Its controlling shares are owned by the Chinese government. The company provides surveillance products to the global market via more than "2,400 partners in 155 countries and regions", and has its presence in 18 locations around the world. In June 2018, Hikvision was ranked 835th in the 2018 edition of Forbes Global 2000.



Alibaba Group

Alibaba is the world's largest retailer and e-commerce company, one of the largest Internet and AI companies, one of the biggest venture capital firms, and one of the biggest investment corporations in the world. The company hosts the largest B2B (Alibaba.com), C2C (Taobao), and B2C (Tmall) marketplaces in the world. It has been expanding into the media industry, with revenues rising by triple percentage points year on year. It also sets the record on the 2018 edition of China's Singles' Day, the world's biggest online and offline shopping day.

