

ADVANCING THE FRONTIERS OF COMPUTER SCIENCE & TECHNOLOGY



College of Computer Science and Technology (CCST)
Zhejiang University
Graduate Admission Bulletin



浙江大学 计算机科学与技术学院
COLLEGE OF COMPUTER SCIENCE AND TECHNOLOGY
ZHEJIANG UNIVERSITY



53

International Rankings
QS World University Rankings



浙江大学
ZHEJIANG UNIVERSITY

8,200 +

SCI-indexed publications

05

Regional Rankings
Aisa University Rankings

Leading University in Asia

ZJU is one of the most prestigious research and higher education institutions in Asia. ZJU offers a student-centered education that inspires the academically motivated, intellectually curious, and socially conscious students.

2,300 +

Patents for invention

03

National Rankings
Best Chinese Universities Rankings

\$ 826.3 M

Annual research funding



First-Class Education in Computer Science

The ZJU College of Computer Science and Technology is dedicated to nurturing highly-competent talents in computer science with innovation thinking and global perspective. It encompasses two first-class subjects on Computer Science and Software Engineering, which are rated as A+ by the Chinese Ministry of Education in the national assessment.

Top 11

Ranked amongst the top 11
Best Global Universities for Computer Science
*US News Best Global Universities, 2020

Top 24

Ranked the top 24 globally (Top 1‰)
by academic influence in Computer Science
*Essential Science Indicators (ESI), 2020

14

National & Provincial Key Laboratories
And Research Centers for Engineering Technologies

¥38 Million

Research funding
from government and industries (2020)

Through the collaboration of outstanding and inspiring faculty at CCST, we offer a series of undergraduate and graduate programs that are ability-oriented and rigorous in nature. Students can not only learn by doing through working on research projects under the guidance of academic supervisors, but also are offered opportunities to fully develop their capabilities through internships and global exchange.

ACADEMICS PROGRAMS



Program Structure

Computer Science & Technology

Computer Science and Technology (Master / PhD)

Core Modules

Computing Theory	Introduction of Artificial Intelligence
Data Mining	Artificial Intelligence Security
Computer Vision	Research Methods and Frontiers of Information Security
Thesis Writing Guidance	

Key Electives

Advanced Database Technology	Advanced Operating Systems
Image Processing and Modeling	Computer Graphics
3D CAD Modeling	



Zhejiang University is of high academic standards and there was always an opportunity to learn new things. Here I had the chance to evolve my career in a modern but long-history university.

*Elias Alonso Guillermo (Spain)
Master student
Computer Science and Technology*

**Courses listed are taught in English and its availability may subject to change between terms. Other courses with different instruction language (e.g. bilingual, Mandarin) are also available to international students.*

Program Structure

Software Engineering

Software Engineering (Master / PhD)

Core Modules

Data Mining	Computing Theory
Advanced Database Technology	Advanced Operating Systems
Research Methods and Frontiers of Information Security	Thesis Writing Guidance

Key Electives

Introduction of Artificial Intelligence	Computer Vision
Image Processing and Modeling	Computer Graphics
3D CAD Modeling	



I am impressed in Zhejiang University, which is a multidisciplinary top university that allows me to meet friends from different disciplines, different degrees, and work together. Also, we have had the opportunity to work with many well-known companies and agencies in the academic atmosphere, accompanied by the beautiful nature of every campus of Zhejiang University.

*Noptanit Chotisarn (Thailand)
PhD student
Software Engineering*

**Courses listed are taught in English and its availability may subject to change between terms. Other courses with different instruction language (e.g. bilingual, Mandarin) are also available to international students.*

Program Structure

Cybersecurity

Cybersecurity (Master / PhD)

Core Modules

Introduction to Cyber Security

Foundations of Cryptography

Computer and Network Security

Operating System Security

Key Electives

Software Security Wireless and IoT Security

Hardware Security and Digital Forensics

Blockchain Security and Applications

Data Security and Privacy

AI Security and Ethics

Seminar in Advanced Security Topics



Being a part of the Zhejiang University Computer Science Department has not only improved my understanding and importance of cyber security, but also revealed to me that there are countless possibilities around us. So far, I have published two papers (IEEE Big Data & EMNLP) and I intend on publishing more related to my research area while applying the skills I have acquired to real world challenges.

*Tariro Manyumwa (Zimbabwe)
Master student, Cyber Security*



ZJUCS has made me become more aware and diverse kind of person. I have been learning with experts and taking part in valuable opportunities, which allows me to gain new experiences in China and Zhejiang University.

*Lonapalawong Supaporn (Thailand)
PhD student
Computer Science and Technology*

Through project collaborations, a number of internship opportunities in partnered tech giants, such as Alibaba, Ant Financial, GTTX, etc., are available to outstanding students on a competitive basis.



Internships Opportunities



Intern @ Alibaba Inc

Experiment @ Alibaba Inc

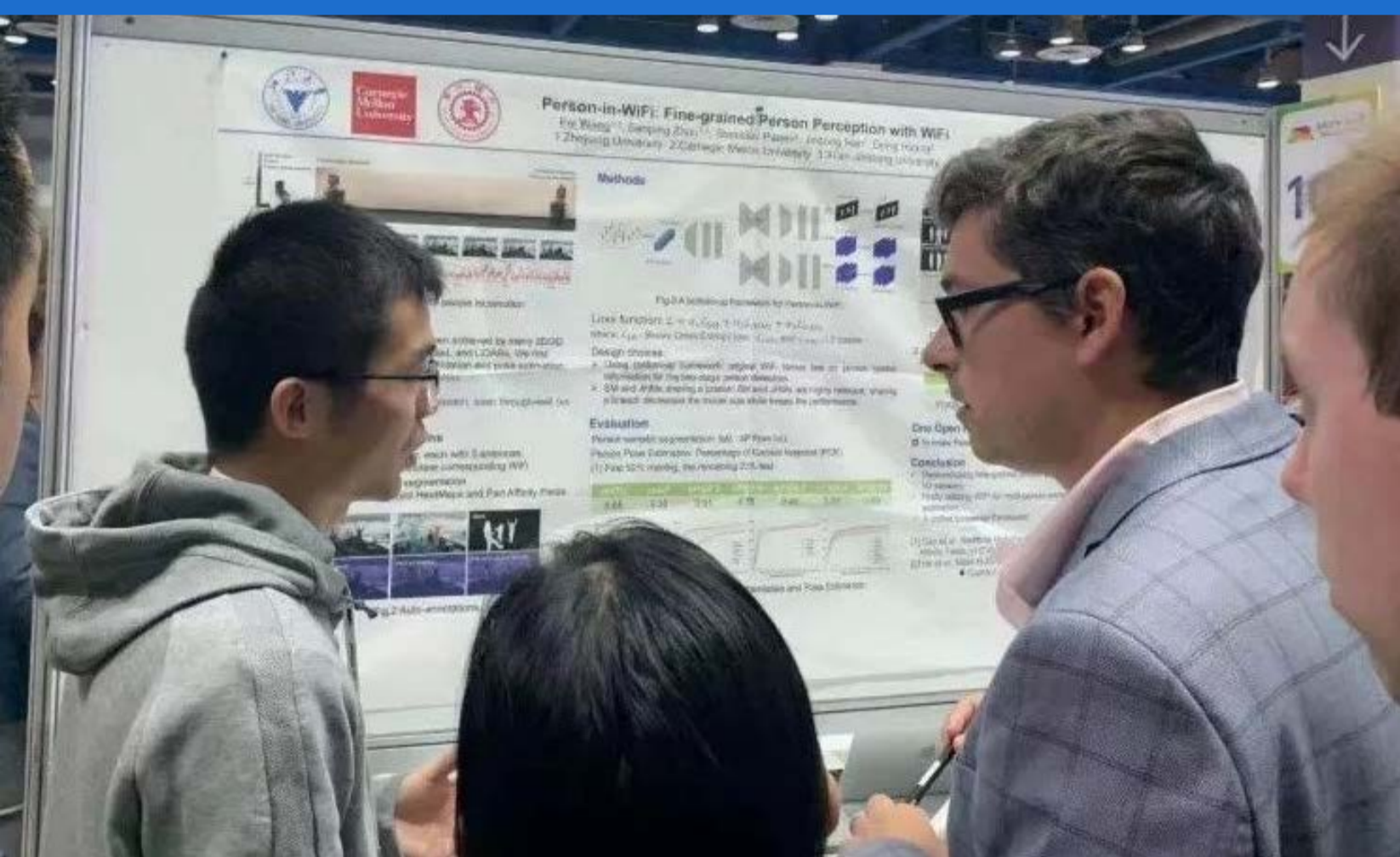


Students are encouraged to attend at least one top-tier international conference every year, and funding is also available for short-term international visits and research collaborations.

Research exchange
@ MIT @ CMU



International Academic Visiting/Exchange



@ ICML 2019

@ ICCV 2019



How to Apply / Timeline

December - March

1. Submit online application (<http://isinfosys.zju.edu.cn/recruit/login.shtml>)
2. Contact intended supervisors for provisional acceptance (highly encouraged)
3. Apply for scholarships if needed
4. Kindly be noted that mailing hard copies of application materials is unnecessary.

July - August

1. Check application results in the application system
2. Receive Admission Notice, Visa Application Forms with other relevant documents via post if application is successful
3. Reserve accommodation in the online system

Program Info

Degree Type	Duration (Year)	Tuition
Master	2~3	CNY 36,800/year
Ph.D.	3~4	CNY 42,800/year

For more information about eligibility & admission process, please visit:

Master: http://iczu.zju.edu.cn/english/redirect.php?catalog_id=22211

PhD: http://iczu.zju.edu.cn/english/redirect.php?catalog_id=22212

Scholarships

There are mainly four types of scholarships available to international students, which will be awarded on a competitive basis of academic excellence.

Chinese Government Scholarship – Chinese University Program

1. Coverage of the scholarship

- Tuition waiver
- Free accommodation on campus
- Stipend: granted in accordance with the relevant standard
- Comprehensive medical insurance

2. Duration of the Scholarship

- Doctoral Degree Students: 3-4 academic years
- Master's Degree Students: 2-3 academic years

3. Stipend (subject to change)

- Doctoral degree students: CNY 3,500 per month
- Master's degree students: CNY 3,000 per month

Chinese Government Scholarship-Bilateral Program

1. Coverage of the scholarship

Including full or partial scholarship established by MOE in accordance with exchange agreements or consensus between Chinese government and governments of other countries and institutions.

2. Where to Apply

Apply to the dispatching authorities for overseas study of your home country, and choose Zhejiang University as the target university.

3. When to Apply

In general, from January to the beginning of April each year. Please consult the dispatching authorities for the specific deadline.

Zhejiang University Scholarship

1. Coverage of the scholarship

- Tuition waiver (available under Full Scholarships)
- Free accommodation on campus
- Monthly living allowance
- Comprehensive medical insurance

2. Duration of the Scholarship

- Doctoral Degree Students: 3-4 academic years
- Master's Degree Students: 2-3 academic years

3. Stipend (subject to change)

- Doctoral degree students: CNY 2,000 per month
- Master's degree students: CNY 1,700 per month

Zhejiang Provincial Government Scholarship

Amount of Scholarship: 30,000 RMB

(a lump sum grant, once a year at present)

Note: Self-paying graduate students who are enrolled into Zhejiang University, after completing the registration procedures and making full payment of the tuition, can apply for financial aid from Zhejiang Provincial Government Scholarship.



Medical Resources

Hangzhou is a city with rich medical resources. major hospitals include:

- Sir Run Run Shaw Hospital
- First Affiliated Hospital, Zhejiang University School of Medicine
- Second Affiliated Hospital, Zhejiang University School of Medicine
- ZJU Campus hospitals



Accommodation

Including single room/twin room/quadruple ensuite with kitchen, laundromat, campus network, etc.



Living Costs

Accommodation: 1350-1800 RMB/month
Meal: ~1200 RMB/month
Transportation: ~300 RMB/month

Student Clubs & Events

The ZJU International College as well as the International Student Union organizes a range of colorful events each year to enrich your study experience at ZJU, including International Student Festival, orientation picnic, cultural sightseeing events and cricket games, to name just a few. At ZJU here, you can not only experience colorful student life, but also connect with students from all around the globe.

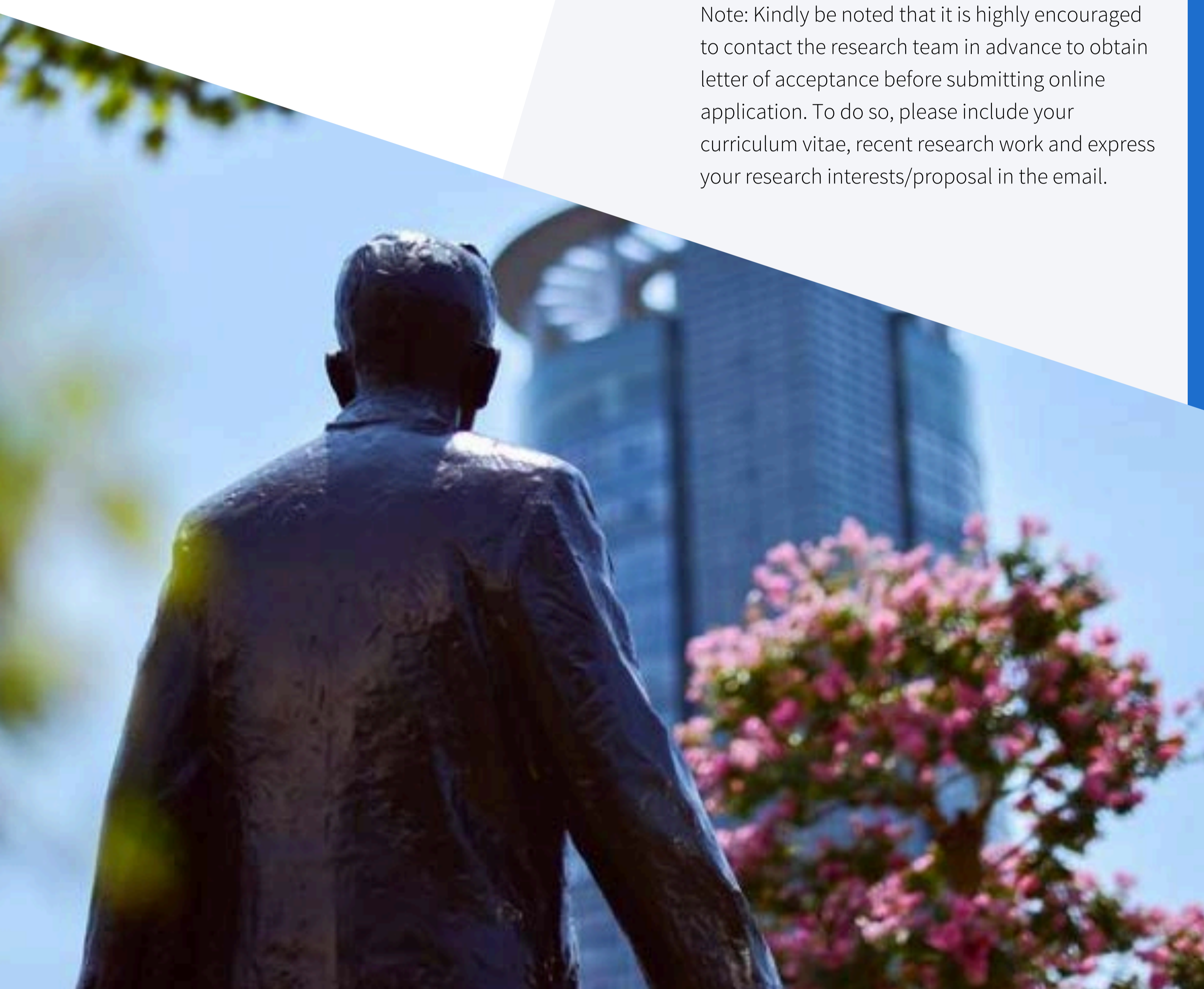


GRADUATE ADVISORS

ZJU CCST's graduate advisors are formed into various research groups with distinctive academic strengths. Prospective international students are encouraged to contact the coordinating professor for student recruitment to express their research interests and relevant academic background.

For detailed lists of advisors,
please visit: www.en.cs.zju.cn

Note: Kindly be noted that it is highly encouraged to contact the research team in advance to obtain letter of acceptance before submitting online application. To do so, please include your curriculum vitae, recent research work and express your research interests/proposal in the email.



Artificial Intelligence



Digital Media Computing and Design Laboratory of Zhejiang University

Website: www.dcd.zju.edu.cn

Contact: Siliang Tang, Associate Professor

Email: siliang@zju.edu.cn

Research Area: Cross-Media Computing, Artificial Intelligence, Big Data Theory and Applications

Zhejiang University Ruiyi Artificial Intelligence Research Center

Contact: Xiaohong Jiang, Associate Professor

Email: jiangxh@zju.edu.cn

Research Area: Intelligent Analysis Technology of Medical Images Based on Deep Learning, Research and Development of Artificial Intelligence Tools for Multi-Type and Multi-Scale Time Series Evolution Medical Data

ZJU Network & Media Laboratory

Website: <http://netmedia.zju.edu.cn/>

Contact: Huaizhong Lin, Associate Professor

Email: linhz@zju.edu.cn

Research Area: Big Data Artificial Intelligence, Wireless Sensor Network, 3D Modeling, Digital Expression and Dissemination of Cultural Knowledge

Software Engineering & Research

Innovative Software Technology Development Center, EAGLE-Lab

Website: <http://eagle.zju.edu.cn>

Contact: Jiajun Bu, Professor

Email: bjj@zju.edu.cn

Research Area: Intelligent Search and Data Mining, Information Barrier-Free Technology, Pattern Personalized Rendering for Digital Printing and Dyeing, Embedded Systems, Sensor Network/Internet of Things, Mobile Computing

Blockchain Research Center, Zhejiang University

Contact: Keting Yin, Associate Professor

Email: yinkt@zju.edu.cn

Research Area: Blockchain, Cryptography and Distributed Computing

Database Research Team

Contact: Ke Chen, Associate Professor

Email: chenk@cs.zju.edu.cn

Research Area: Database, Research and Development of Big Data Management System.

Intelligent Computing and Software Center

Website: <http://www.vlis.zju.edu.cn/views/home/Index.aspx>

Contact: Fangfang Zhang, Ms.

Email: zhangff@zju.edu.cn

Research Area: Intelligent Software Engineering, Edge Computing, Blockchain and Distribution, Big Data Real-Time Intelligent Analysis and Intelligent Database System

Discrete Optimization and Algorithm Research Group

Contact: Deshi Ye, Associate Professor

Email: yedeshi@zju.edu.cn

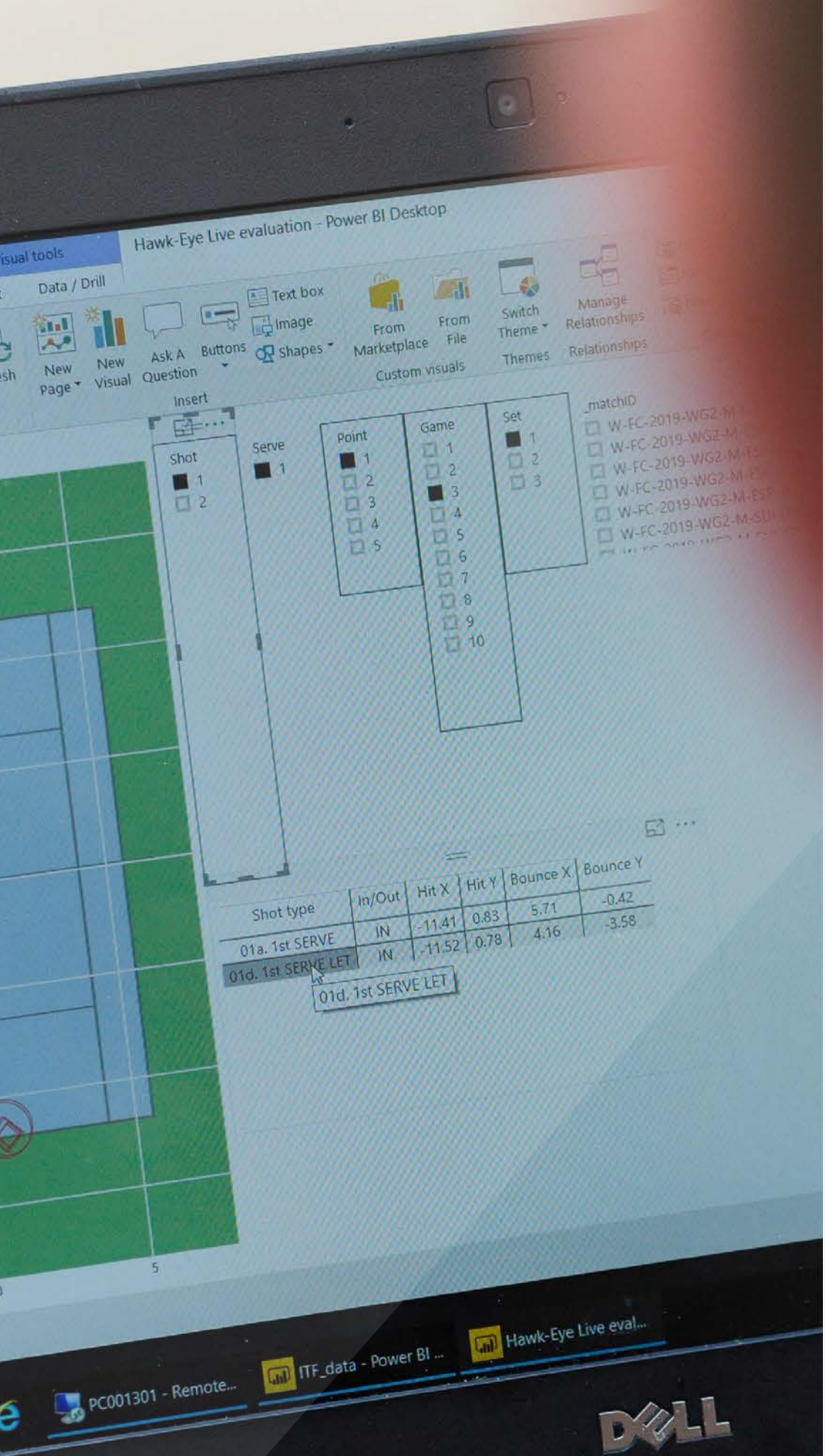
Research Area: Classic Discrete Optimization Model, Online Algorithm Design and Analysis, Algorithm Mechanism Design, Optimization Algorithm Application

ZLST Lab

Contact: Can Wang, Associate Professor

Email: wcan@zju.edu.cn

Research Area: Anomaly Detection and Small Sample Learning, Social Data Mining, Network Embedded Representation Learning, Knowledge Transfer



Computer-Aided Design and Computer Graphics

Interactive Data Group

Website: <https://zjuidg.org/>

Contact: Admission Coordinator

Email: zju_idg@outlook.com

Research Area: Novel Information Visualization, Visual Analytics, Augmented/Virtual Reality, Human Computer Interaction Technology

Mixed Reality Research Center

Contact: Guofeng Zhang, Professor

Email: zhangguofeng@cad.zju.edu.cn

Research Area: Geometric Calculation and Physical Simulation, Graphics Rendering and Virtual Reality, Three-dimensional Vision and Augmented Reality

Graphics and Parallel Systems

Contact: Kun Zhou, Professor

Email: kunzhou@acm.org

Research Area: Computer Graphics, Human-Computer Interaction, Virtual Reality, and Parallel Computing

Intelligent Information Processing and Application

Website: <http://give.zju.edu.cn/en/portal/index.html>

Contact: Min Tang, Professor

Email: tang_m@zju.edu.cn

Research Area: Geometry Processing, Image and Video Processing, Enterprise Intelligent Computing

Computer System Architecture

Advanced Computing and System Laboratory

Website: <http://ccnt.zju.edu.cn/>

Contact: Yingchun Yang, Associate Professor

Email: yyc@zju.edu.cn

Research Area: Complex Service Computing and Knowledge Service System, Embedded Pervasive Computing and Real-Time System, Generalized Computing and Hybrid Intelligent System

Middleware Engineering Technology Research Center

Contact: Jianwei Yin, Professor

Email: zjuyjw@cs.zju.edu.cn

Research Area: Middleware Theory, Technology and Products

Intelligent Computing and System Lab (ZJU InCAS-lab)

Website: <http://vm.zju.edu.cn/>

Contact: Qinming He, Professor

Email: hqm@zju.edu.cn

Research Area: Big Data Processing and Data Mining, Blockchain, Natural Language Processing, IoT Software Support Technology

Computer Architecture Lab (ZJU ArcLab)

Website: <http://arc.zju.edu.cn>

Contact: Wenzhi Chen, Professor

Email: chenwz@zju.edu.cn

Research Area: Embedded Systems and Applications, Computer Architecture, Computer System Software, Information Security

Cybersecurity

Institute of Cybersecurity Research

Website: <https://icsr.zju.edu.cn/en/>

Contact: Yajin Zhou, Professor

Email: yajin_zhou@zju.edu.cn

Research Areas & Highlights:

Data Security

Best Paper Award (IEEE ICDCS 2020), Test of Time Paper Award (IEEE INFOCOM 2020), Best Paper Award (IACR FSE 2018)

AI Security

Best Paper Award (IEEE Trans. on Computers 2019), Ranked 2nd on the MIT MadryLab's White-box Leaderboards, World 1st Inversion Attack against Commercial AI Services

IoT Security

Best Paper Award (ACM MobiSys 2020), Best Paper Award (IEEE HPCC 2019), Best Paper Award (IEEE Globecom 2019), Best Paper Award (IEEE INFOCOM 2019)

Blockchain Security

Best Student Paper (WWW 2020)

Network Security

Media coverage including the Wall Street Journal, China Daily, and Forbes.

System Security

Ranked 1st at iDash Contest (SGX Track) 2019, Best Paper Award (IEEE EURO S&P 2019), Best Paper Award (ACM AsiaCCS 2017)

Industrial Design

A person is shown in silhouette on the left side of the page, interacting with a large, curved digital display. The display shows a grid of glowing, jellyfish-like patterns in shades of blue and white. The background is dark, and the overall aesthetic is futuristic and high-tech.

Zhejiang University-Alibaba IDEA Lab

Website: www.idi.zju.edu.cn

Contact: Shi Chen, Associate Professor

Email: shelleych@zju.edu.cn

Research Area: Design Intelligence, Experience Computing, Perception Enhancement

Intelligent Interactive Equipment

Contact: Kejun Zhang, Associate Professor

Email: aergo@zju.edu.cn

Research Area: Human Behavior Prediction and Exoskeleton Robot System, Mobile Equipment Interconnection and Information Visualization System, Entity Interaction, Music Emotion Expression and Recognition System

Other Featured Research Groups

Computer Animation & Perception Group

Contact: Weidong Geng, Professor

Email: gengwd@zju.edu.cn

Research Area: Computer Animation Based on Motion Capture, Perception-Based Natural Human-Computer Interaction, Personalized CAD Technology and System, Multi-Channel Fusion Scene Perception and Understanding

Computational Intelligence Lab

Contact: Yuntao Qian, Professor

Email: ytqian@zju.edu.cn

Research Area: Hyperspectral Imaging Information Processing, Remote Sensing Big Data, Pattern Recognition and Machine Learning, Image and Signal Processing

Complex Networks and Social Computing

Contact: Xiaogang Jin, Associate Professor

Email: xiaogangj@cise.zju.edu.cn

Research Area: Network Dynamics, Social Computing

Electronic Service Research Center

Contact: Xiaolin Zheng, Professor

Email: xlzheng@zju.edu.cn

Research Area: E-commerce and Social Commerce, Service Computing, Trust and Reputation, Internet Financial Credit Services

Intelligent Storage and Calculation System Laboratory

Contact: Shuibing He, Professor

Email: heshuibing@zju.edu.cn

Research Area: Intelligent Computing, Parallel and Distributed Computing, File and Memory Storage System, Nonvolatile Memory, Memory Computing Integration, Big Data Processing

Other Featured Research Groups

Knowledge Engine Lab Alibaba-Zhejiang University Joint Institute of Frontier Technologies

Contact: Huajun Chen, Professor

Email: huajunsir@zju.edu.cn

Research Area: Knowledge Map, Natural Language Processing, Big Data

New Network and Active Defense Technology Lab

Contact: Chunming Wu, Professor

Email: wuchunming@zju.edu.cn

Research Area: New Network Technology, Active Defense of Cyber Security, Cloud Intelligent Network and Endogenous Security Technology

Network System Security & Privacy Research Lab

Website: <https://nesa.zju.edu.cn/>

Contact: Shouling Ji, Professor

Email: sji@zju.edu.cn

Research Area: Data-Driven Security, AI and Security, Software and System Privacy, CV and Multimedia Understanding, Big Data Mining and Analysis

Pervasive Computing Lab

Website: <http://percom.zju.edu.cn/index-en.html#>

Contact: Ling Chen, Associate Professor

Email: lingchen@cs.zju.edu.cn

Research Area: Pervasive Computing, Human-Computer Interaction, Artificial Intelligence, Database

Technology and Design Driven Innovation and Entrepreneurship Lab (NEXT Lab)

Website: <http://www.next.zju.edu.cn/>

Contact: Kejun Zhang, Associate Professor

Email: zhangkejun@zju.edu.cn

Research Area: Artificial Intelligence, Affective Computing, Cross-media Design

About Hangzhou

**“It is without a doubt
the finest and most splendid city in the world.”**

Marco Polo, Italian merchant, explorer and writer (1254-1324)

Hangzhou, also called “the City of Heaven”, has been consistently ranked among *the top three most attractive Chinese cities* for foreigners.

ATTRACTIONS OF ANTIQUITY

The city retains many of its historical and cultural heritage. It boasts three UNESCO world heritage sites - the West Lake, the Beijing-Hangzhou Grand Canal and the ancient Liangzhu Archaeological Site.

A HUB OF INNOVATION

Hangzhou is the base for the e-commerce giant Alibaba. It is also home to venture capital funds, big data firms, and hundreds of technology-linked companies.

PROUD HOSTS

Hangzhou was the host of the 2016 G20 Summit, the first ever G20 summit in China. The city will also host various events including West Lake Expo and the 2022 Asian Games.





Seeking Truth Pursuing Innovation

WEBSITE

Zhejiang University: <http://www.zju.edu.cn/english/>

College of Computer Science and Technology: <http://www.en.cs.zju.edu.cn/>

Zhejiang University International College: <http://iczu.zju.edu.cn/english/>

CONTACT

For inquires about the graduate programs:

College of Computer Science and Technology: qiaoliqing@zju.edu.cn;

liuyu2018@zju.edu.cn

For inquires about the general admission process:

Zhejiang University International College: admissionmaster@zju.edu.cn (Master)

admissionphd@zju.edu.cn (PhD)