

*Seeking Truth,
Pursuing Innovation*



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Image credits: ZJU staff and students

ZHEJIANG UNIVERSITY

Overview/2021

“LEADING THE WAY SINCE 1897”

1928

The academy was renamed National Chekiang University. During the war period (1937-1949), it was praised as one of the four most prominent universities in the Republic of China.



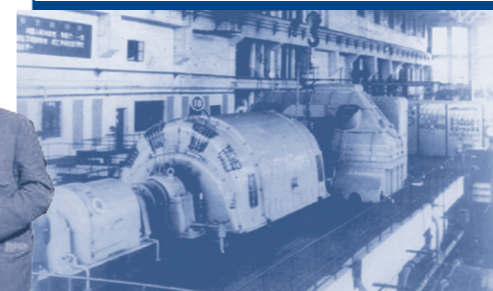
1944

British sinologist Dr. Joseph Needham, FRS, hailed the University as "Cambridge of the East". He was impressed by the faculty's dedication to research even during the tribulations of war.



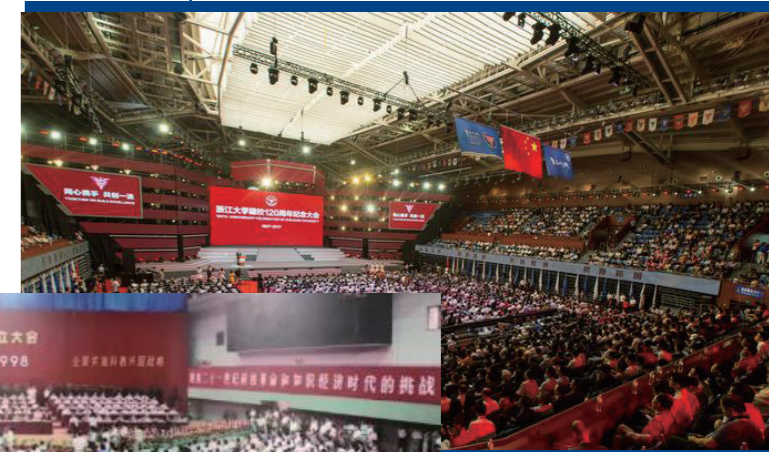
1958

ZJU scientists designed China's first dual inner water-cooled turbo-generator.



2017

ZJU celebrated its 120th anniversary. In the same year, ZJU broke into world's top 100 universities for the first time (QS 2018) and was also selected for the national "Double First-class Initiative".



1897

Qishi Academy, the forerunner of Zhejiang University (ZJU), was founded to be a modern academy of higher education in China.

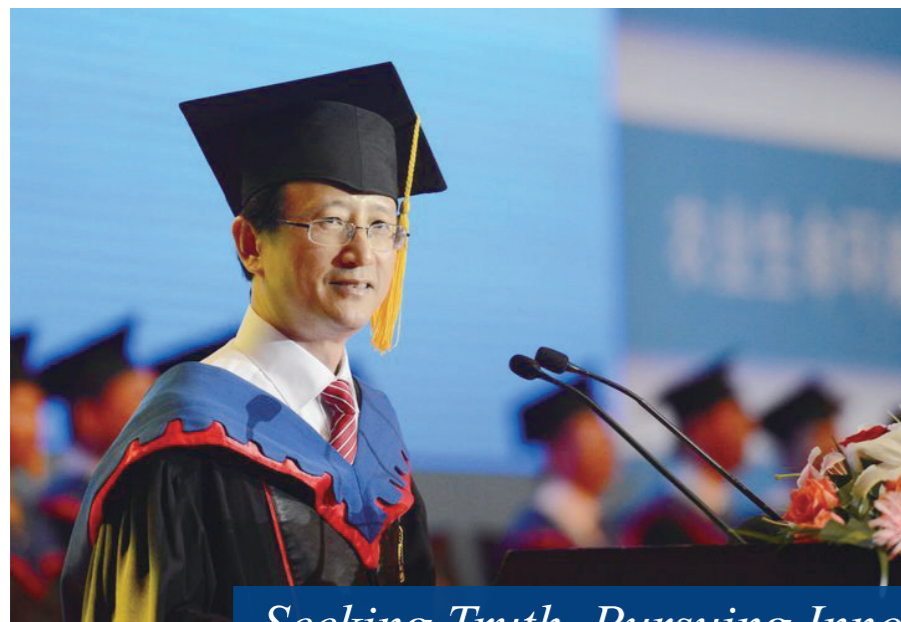
1936

Professor Chu Kochen became the president of National Chekiang University and would leave a profound imprint. Addressing new students in 1936, he posed two questions: "First, why do you come here? Second, who do you want to become after graduation?"

1998

The current ZJU was re-established through the merger of four independent universities, which had been split during the institutional restructuring period in the 1950's.





Seeking Truth, Pursuing Innovation

Welcome to Zhejiang University (ZJU)!

Founded in 1897, ZJU is one of the leading universities in Asia as well as one of the oldest in China. The ethos of seeking truth and pursuing innovation has been embedded in our culture ever since. This commitment results in education that prepares our students to be thoughtful leaders and useful citizens with a global vision and social responsibility, as well as in interdisciplinary and ground-breaking research that addresses challenges the world faces today. Critical thinking and transformative technology empower us to make a positive difference in an increasingly connected world.

As we enter the 21st century, a new round of technological revolutions, as well as unknown threats like COVID-19, are profoundly reshaping the way we live and learn. ZJU is responding swiftly and effectively to the challenges with a mindset of innovation and resilience. As a socially responsible and globally-minded higher education institution, the University aspires to further unleash its unique strengths and contribute to the creation of a sustainable future in terms of education, research and partnership.

I am proud to be part of this vibrant and intellectually challenging community and invite you to join us in the pursuit of truth, knowledge, and a better future for mankind.

WU Zhaohui
President

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DELTA REGION

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ZJU AT A GLANCE



7 CAMPUSES



3RD IN CHINA
Best Chinese Universities
Ranking 2020 (ShanghaiRanking)



“DOUBLE FIRST-CLASS”
ZJU was selected for China’s
“Double First-class” Initiative in
2017.



35TH IN THE WORLD
QS Graduate Employability Rankings 2020



ALUMNI STARTUPS
ZJU is the university with the highest
rate of alumni startups in China.



7 AFFILIATED HOSPITALS



45th IN THE WORLD
QS World University Rankings 2022



C9 LEAGUE
ZJU is a member of C9
League, an alliance of
nine leading Chinese
universities committed to
education and research
excellence.

EDUCATION FOR TOMORROW

As one of the most prestigious research and learning institutions in the country, Zhejiang University creates a dynamic educational experience that inspires the academically motivated, intellectually curious, and socially conscious students.



133
undergraduate majors and minors

4,000+
undergraduates participating in research training programs each year

5,500+
international students

88%
of undergraduate students studying abroad

37 colleges, schools and departments under 7 faculties

offer students boundless opportunities to pursue their passions. With an education that highlights innovation, interaction and interdisciplinarity, ZJU prepares students for complex global problems of today and tomorrow.

ARTS & HUMANITIES

- School of Humanities
- School of International Studies
- College of Media and International Culture
- School of Art and Archaeology

SOCIAL SCIENCES

- School of Economics
- Guanghua Law School
- College of Education
- School of Management
- School of Public Affairs
- School of Marxism

SCIENCE

- School of Mathematical Sciences
- Department of Physics
- Department of Chemistry
- School of Earth Sciences
- Department of Psychology and Behavioral Sciences

ENGINEERING

- School of Mechanical Engineering
- School of Materials Science and Engineering
- College of Energy Engineering
- College of Electrical Engineering
- College of Civil Engineering and Architecture
- College of Chemical and Biological Engineering
- Ocean College
- School of Aeronautics and Astronautics
- Department of Polymer Science and Engineering

INFORMATION TECHNOLOGY

- College of Optical Science and Engineering
- College of Information Science and Electronic Engineering
- College of Control Science and Engineering
- College of Computer Science and Technology
- School of Software Technology
- College of Biomedical Engineering and Instrument Science

AGRICULTURE, LIFE & ENVIRONMENT SCIENCES

- College of Life Sciences
- College of Biosystems Engineering and Food Science
- College of Environmental and Resource Sciences
- College of Agriculture and Biotechnology
- College of Animal Sciences

MEDICINE & PHARMACEUTICAL SCIENCES

- School of Medicine
- College of Pharmaceutical Sciences



STUDENT-CENTERED LEARNING

At ZJU we encourage independent thinking and offer a student-centered education to stretch and challenge minds. Here we promote the integration of “four learning spaces”:

- diverse classroom experiences to inspire learning and facilitate thinking
- numerous on-campus activities to nurture and bond individuals
- social practices and volunteer work to serve local communities
- outbound exchange programs to broaden perspectives



RESEARCH-ENHANCED EDUCATION

ZJU constructs a four-tiered training system on scientific research, e.g. state, provincial, university and college/school level. Through this system, students are exposed to scientific research and getting access to the frontiers in their disciplines at an early stage. This system emphasizes on the awareness of innovation and scientific literacy, aiming to promote students' critical thinking and spirit of cooperation.



DIVERSE COMMUNITY

ZJU is home to a remarkably diverse community. We honor diverse experiences and perspectives, including differences in culture, nationality, religion, gender, disability and socioeconomic status, and strive to create inclusive learning environments where all are treated with respect.

RICH CAMPUS LIFE

With over 200 student associations and organizations, there's always something on, from social and career-based events to volunteering and cultural festivals.

Take a look at the latest museum exhibits on campus, attend a lecture, and enjoy a performance at the theatre. Our campuses play host to events, facilities and more that ensure your uni life is as full as you want it to be.



Officially opened on May 21st, 2021, Zhejiang University Library of Ancient Books covers a total area of 5,000 square meters and has stored about 180,000 volumes of ancient Chinese books, among which, 20,000 volumes are rare books.



ZHEJIANG UNIVERSITY MUSEUM OF ART AND ARCHAEOLOGY (ZJUMAA)

ZJUMAA was officially opened in September 2019. Its mission is to support and enhance education and research at ZJU.

Occupying an area of 8.23 acres with a floor area of 25,000 square meters, the complex is divided into two zones: the museum facilities and the academic institute. Its educational activities include exhibitions, publications, lectures, conferences, film screenings and live performances.

Through collection, research, and exhibition of artwork and archaeological artifacts, the Museum seeks to elevate the aesthetic sensitivity and visual literacy of the ZJU community.

Fragment of the West Pavilion Chronicle Stele in Regular Script by Yan Zhenqing, a famous calligraphist in the Tang Dynasty (AD 618 - 907).



MEETING THE CHALLENGES

ZJU is proud of its leading experts in many fields, including engineering, chemistry, materials science, agricultural science, computer science, plant and animal science, clinical medicine, pharmacology and toxicology. Driven by the big picture, ZJU researchers push the boundaries of knowledge and create discoveries and innovations that change our world for the better.



A 72-year-old paraplegic patient shook hands by controlling a robotic arm via mind control. ZJU's interdisciplinary team completed China's first clinical study of the invasive motor brain-machine interfaces in Jan., 2020.

A TRACK RECORD OF SUCCESS

1ST IN CHINA

10 world's top 1 ‰ disciplines
(ESI May, 2021)

TOP 3 IN CHINA

160 highly cited Chinese researchers (2020)

TOP 30 IN THE WORLD

Nature Index (2021 Tables)

TOP 100 IN THE WORLD

ESI ranking of universities (May, 2021)

INNOVATION 2030

Capitalizing on its broad research portfolio, ZJU announced a university-wide framework in 2018, INNOVATION 2030, to catalyze greater collaboration among discipline clusters and find innovative solutions for big questions of tomorrow.

Convergence research - deep integration of knowledge, approaches and expertise from diverse disciplines is our answer to the compelling global challenges.

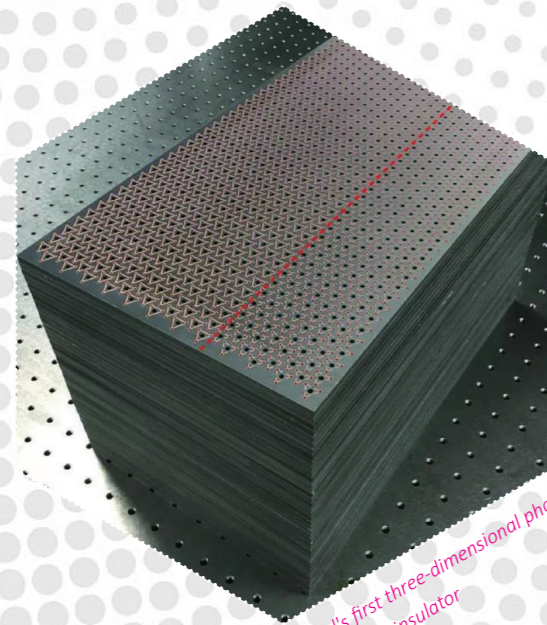
30+ DISCIPLINES

To date, 9 projects have been launched. The knowledge, theories, methods, data and scientific communities of 30+ disciplines are coordinated into these projects to open up new vistas in research.



BRAIN RESEARCH AND ARTIFICIAL INTELLIGENCE

- Brain and cognition research
- Development of next generation AI
- Human-machine interface design



World's first three-dimensional photonic topological insulator

QUANTUM INFORMATION SCIENCE

- Quantum control and manipulation
- Quantum sensing
- Quantum imaging



AGRICULTURAL BREEDING BY DESIGN

- Genomic information
- Development of gene editing technology
- Big data-driven targeted breeding
- Innovation in crop resistance to biotic and abiotic stress



Integrative approaches to repair the contaminated soil

CONSERVATION OF ECOLOGY AND ENVIRONMENT

- Alleviation of environmental impacts
- Restoration of natural ecosystems
- Development of renewable and clean energy
- Environmental big data analytics
- Institutional innovation and cultural communication



A wearable electronic sensor for plants



Centrifugal Hypergravity and Interdisciplinary Experiment Facility in construction

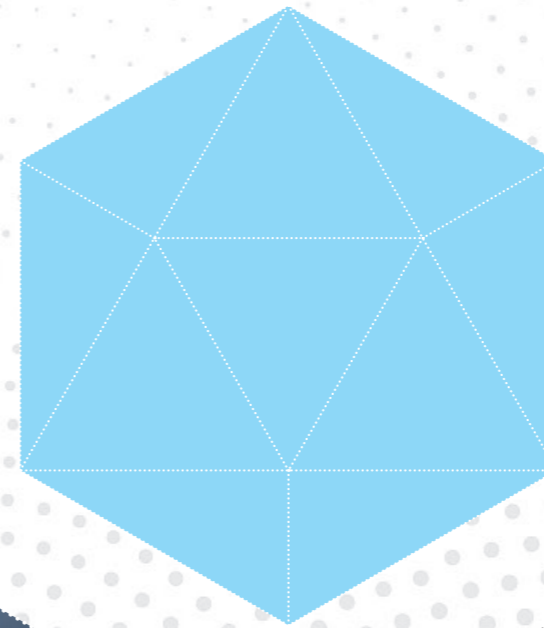
HYPERGRAVITY FIELD

- Hypergravity effects on multiphase media
- Hypergravity multiphase evolution of rock and soil masses
- Geo-environmental mechanics
- Hypergravity experiments with geological processes
- Experimental earth sciences
- Hypergravity materials science and engineering

SMART OCEAN

- Ocean informatization
- Ocean environment sensing
- Intelligent ocean equipment

A self-powered, bio-inspired soft robots for deep-sea exploration



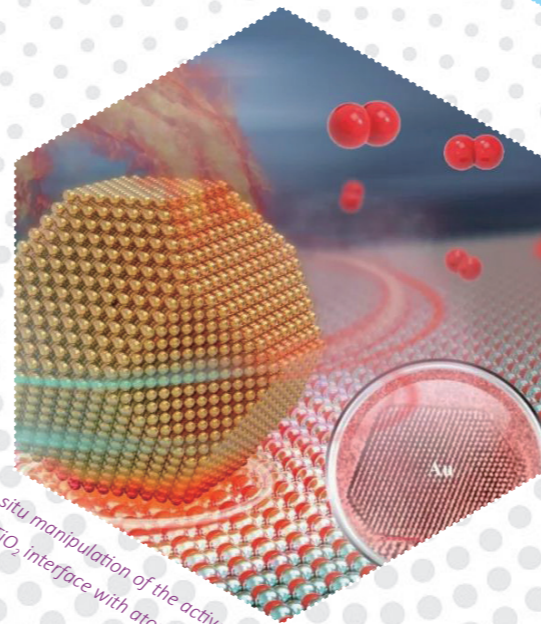
PRECISION MEDICINE

- Multi-omics based molecular diagnosis and genotype of diseases
- Innovation and translation of precision diagnosis and treatment
- Precision diagnosis and prevention technologies

World's first human cell landscape at the single-cell level



In situ manipulation of the active Au-TiO₂ interface with atomic precision



World's first movable 3D grotto replica

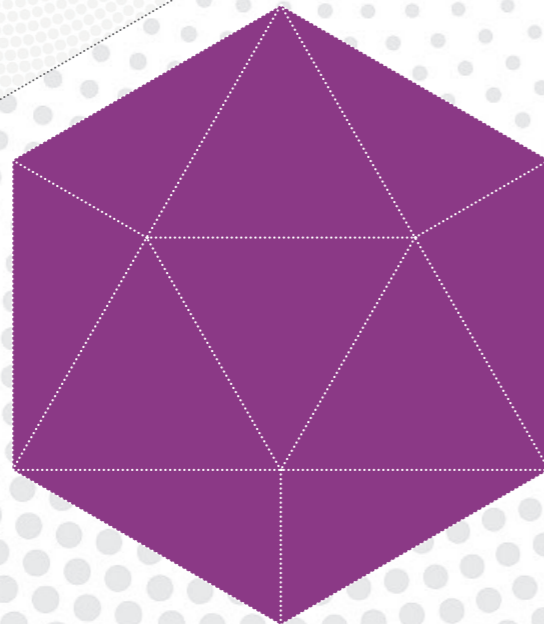
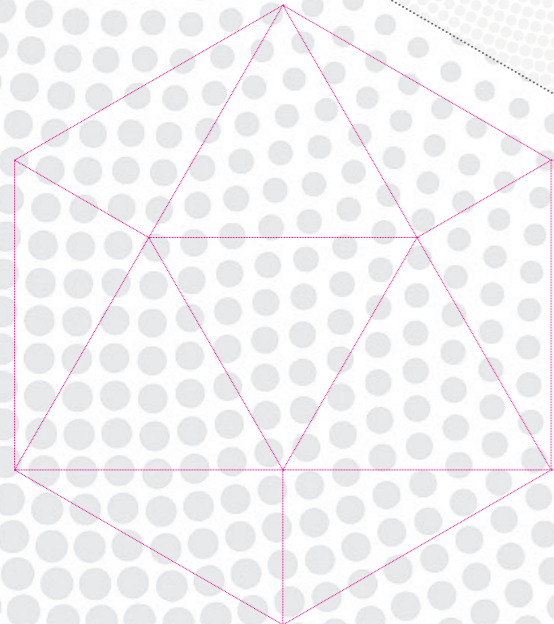


NEW MATTER DISCOVERY AND FABRICATION

- Synergistic innovations of research paradigms
- Advancing the synthesis, characterization and application of new matter
- Development of intelligent manufacturing, synthetic biology, and intelligent medicines

ASIAN CIVILIZATIONS

- Blending and clashing of civilizations
- Inheritance and innovation of cultures
- Contacts and variations of languages
- Circulation and recreation of classical literature
- Preservation and protection of cultural relics
- Interpretations and dialogue of arts and literature



TECHNOLOGIES FOR A SUSTAINABLE FUTURE

ZJU has never stopped transforming new ideas and discoveries into innovations for society. Through technology transfer and policy counseling, ZJU researchers amplify the real-world impacts beyond academia.

A HUB OF INNOVATION

- Innovation Institutes: 10
- Branch Centers for Technology Transfer: 100
- Technologies transferred (2020): 550+
- IP transfer contracts (2020): ¥208 MILLION

From health care to climate change, from poverty reduction to cultural preservation, ZJU researchers are making a real difference to improve the quality of people's lives and help shape a sustainable future. They are heroes in the fight against COVID-19, developing treatments for the world's deadliest viruses. They are clean air generators, developing ultra-low-emissions technologies and facilitating the establishment of the world's largest clean coal-power generation system. They are innovators in the next generation of lithium metal battery, solving a grand challenge in the batteries field. They are enablers of others, helping to relieve poverty by cultivating the once-obscure mushrooms. They are masters of past and present, creating the world's first movable 3D grotto replica and enabling future generations to have the same quality access to historical sites that our forefathers enjoyed. Most of all, they are change makers, driving new industries that will bring a prosperous future for all.

BUILDING A GREEN CAMPUS

Sustainability is a core, university-wide commitment at ZJU. The University is investing in greener buildings, greener practices, and promoting public awareness of environmental protection through educational and research activities.

Members of the community work together to advance green initiatives, which include comprehensive energy conservation practices, recycling programs, food recovery in our dining halls, many student-led green activities etc. On our campus and beyond, ZJU is helping to make a difference.



The Haining International Campus is the first university campus to be awarded the LEED O+M V4.1 Platinum Certification in China.



since 2011

member of the China Green University Alliance



over 35%

campus green space ratio



736 tce

annual energy savings



↓ 11.07%

per capita carbon emissions



↓ 23.91%

per unit energy consumption



↓ 22.14%

per capita water consumption

**statistics from the last five years*



ENGAGING WITH THE WORLD

ZJU is one of China's most international universities. Working closely with our partners in six continents, we are committed to promoting student and faculty mobility, developing substantial research cooperation and leading innovative changes.



200+

global partners worldwide

140+

alumni chapters in and outside China

40+

joint research centers with global partners



A GLOBAL ZJU FOR SOCIAL GOOD (Z4G)

As a socially responsible and globally-minded higher education institution, ZJU aspires to make a distinctive and positive impact by strengthening its commitment to the Sustainable Development Goals (SDGs).

In 2021, ZJU releases its Sustainability Action Plan: A Global ZJU for Social Good (Z4G). Z4G establishes five objectives and associated actions to improve our sustainability-related education, research, and practices within the ZJU community and among other stakeholders in China and beyond.



GLOBAL STRATEGY

As the world is trending towards increasing interdependence and diminishing borders, we envision that ZJU will be a more visible, attractive and engaged contributor in the global higher education arena.

In July 2018, the University released its global strategy “**Global ZJU: CREATE to Impact**”, which serves as the overarching framework for ZJU’s global endeavors. In May 2019, the University was awarded “International Strategy of the Year” at the Times Higher Education Asia Universities Summit.



HAINING INTERNATIONAL CAMPUS

Located in the city of Haining and 80 km from the main campus, ZJU's International Campus was officially inaugurated in October 2017. The campus adopts a "1+X" approach, where ZJU partners with multiple world-renowned universities to develop new models of transnational education.

As a strategic initiative of the University, the campus seeks to combine the best education practices of East and West to cultivate future leaders with a global vision.



QUICK FACTS

2 JOINT INSTITUTES

ZJU-UIUC Institute (ZJUI)

ZJU-UoE Institute (ZJE)

1 BUSINESS SCHOOL

Zhejiang University International Business School (ZIBS)

7 UNDERGRADUATE PROGRAMS

14 MASTER'S DEGREE PROGRAMS

23 PHD PROGRAMS



Learn more about the International Campus:

<https://www.intl.zju.edu.cn/>

YANGTZE RIVER DELTA REGION

A Jewel in the Crown of China's Economic Transformation

With robust market vitality and strong regional interconnection, the Yangtze River Delta region offers the world a glimpse of the resilience and potential of the Chinese economy. Covering the three provinces of Anhui, Jiangsu and Zhejiang as well as the city of Shanghai, the Yangtze River Delta region is one of the regions with the fastest economic growth, the highest level of openness, and the strongest innovation capabilities in China.

With a population of 227 million people, the region accounts for about a quarter of China's total economic output, one third of China's annual research and development (R&D) expenditure and one third of the number of invention patents in force in China. It boasts about a quarter of China's "Double First-class" Universities.

In order to promote the integrated development of higher education in the Yangtze River Delta, in May 2019, ZJU proposed and co-initiated the Alliance of Research Universities in Yangtze River Delta with Fudan University, Nanjing University, Shanghai Jiao Tong University and University of Science and Technology of China.

