



1958-2018  
USTC  
60TH ANNIVERSARY



中国科学技术大学  
University of Science and Technology of China

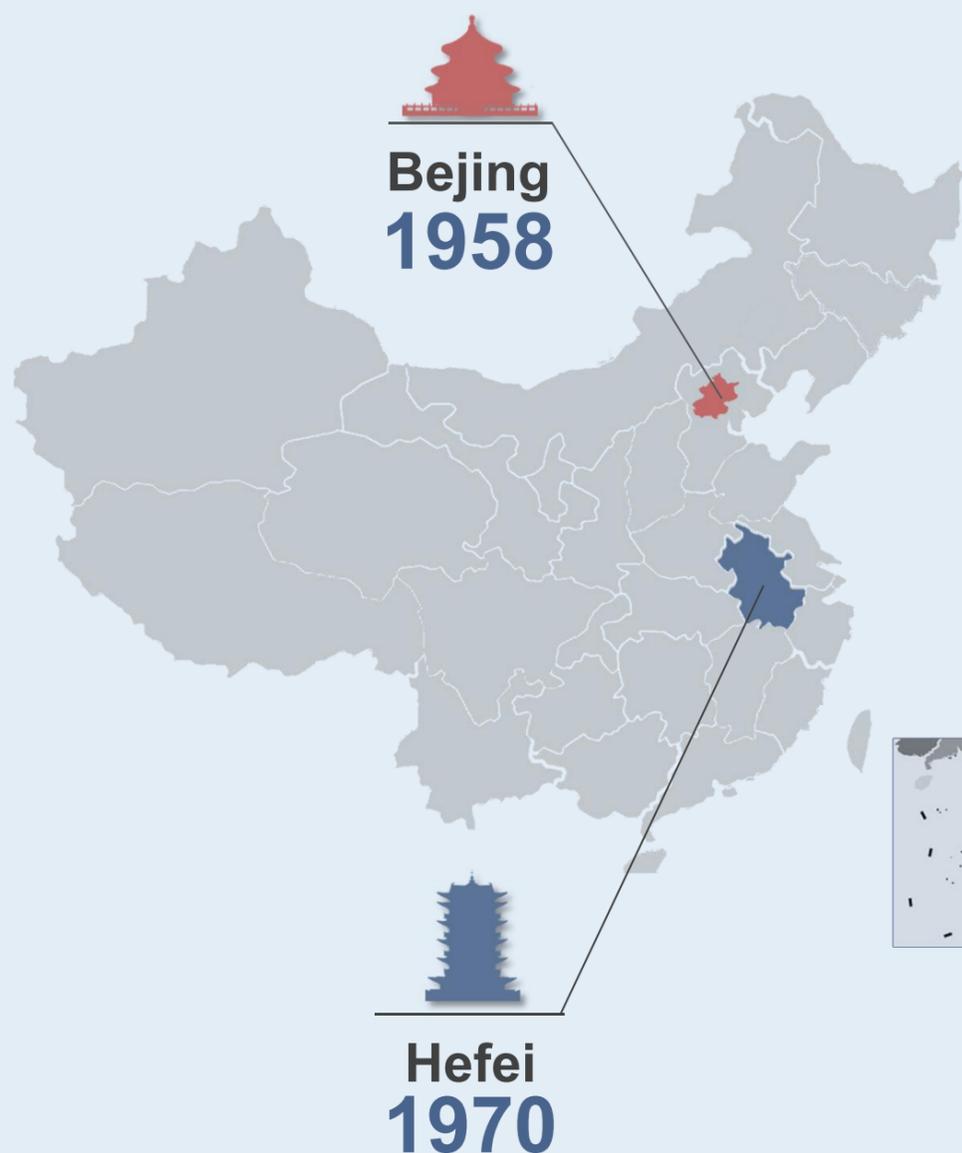
紅專并進一甲子 科教艱辛六十年

# UNIVERSITY OF SCIENCE & TECHNOLOGY OF CHINA

<https://www.ustc.edu.cn/>

# BASIC FACTS

## SERVING THE COUNTRY IN SCIENCE & EDUCATION FOR 60 YEARS



**2,047**  
Academic staff

**651**  
Full professors

**55**  
Academicians of CAS/CAE

**7,388**  
Undergraduates

**16,977**  
Graduate students

**5,705**  
PhD

**1958**  
Founded in Beijing

**1978**  
First graduate school in China  
First Gifted-young Class

**1995**  
Project 211

**1999**  
Project 985

**2016**  
Launch of Micius

**2017**  
National Double First-class initiative

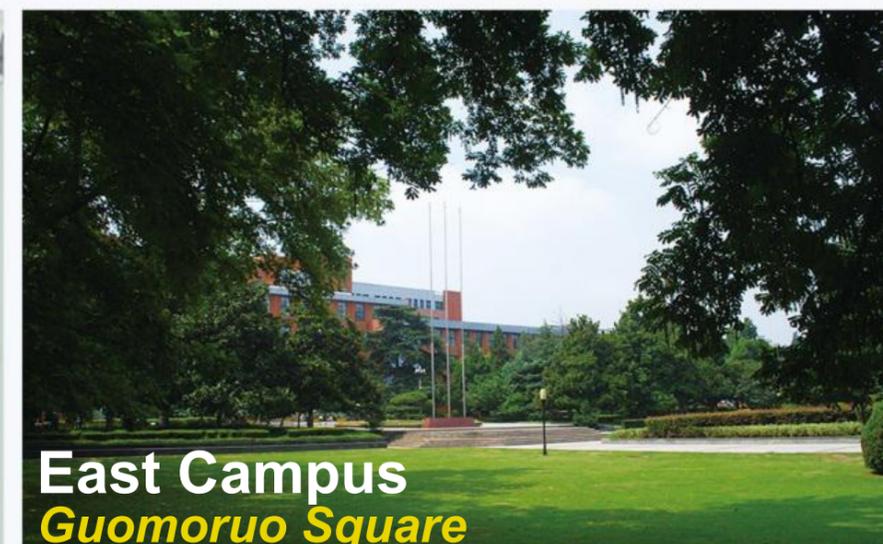
**2003**  
Founding of the HFNL

**1998**  
CAS Knowledge Innovation Programme

**1983**  
Launched the NSRL

**1970**  
Relocated to Hefei, Anhui's capital

# CAMPUSES



East Campus  
*Guomoru Square*



West Campus  
*Library*

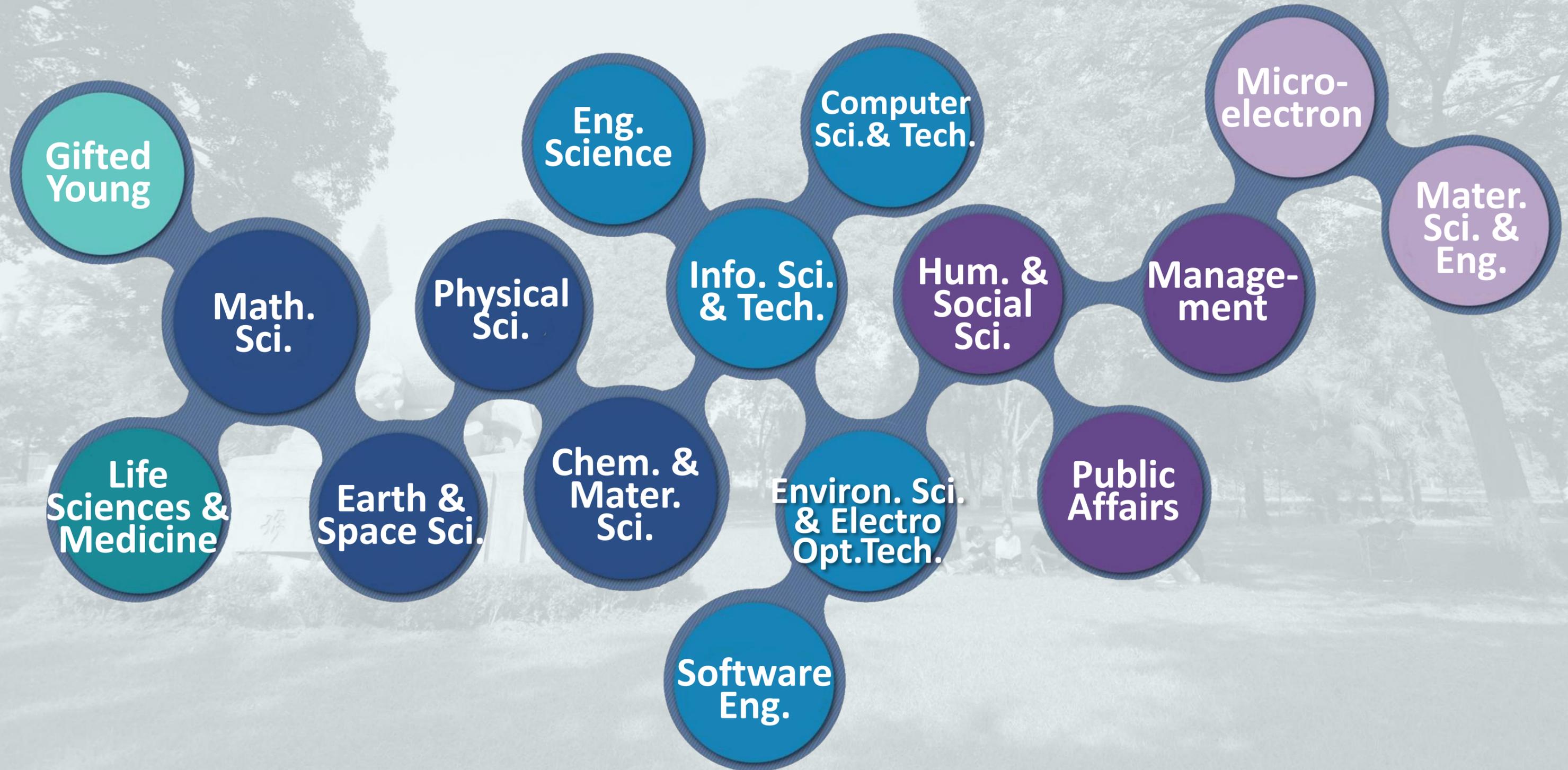


Center Campus  
*Sports Stadium*



New Campus  
*National Lab*

# SCHOOLS



# EDUCATION

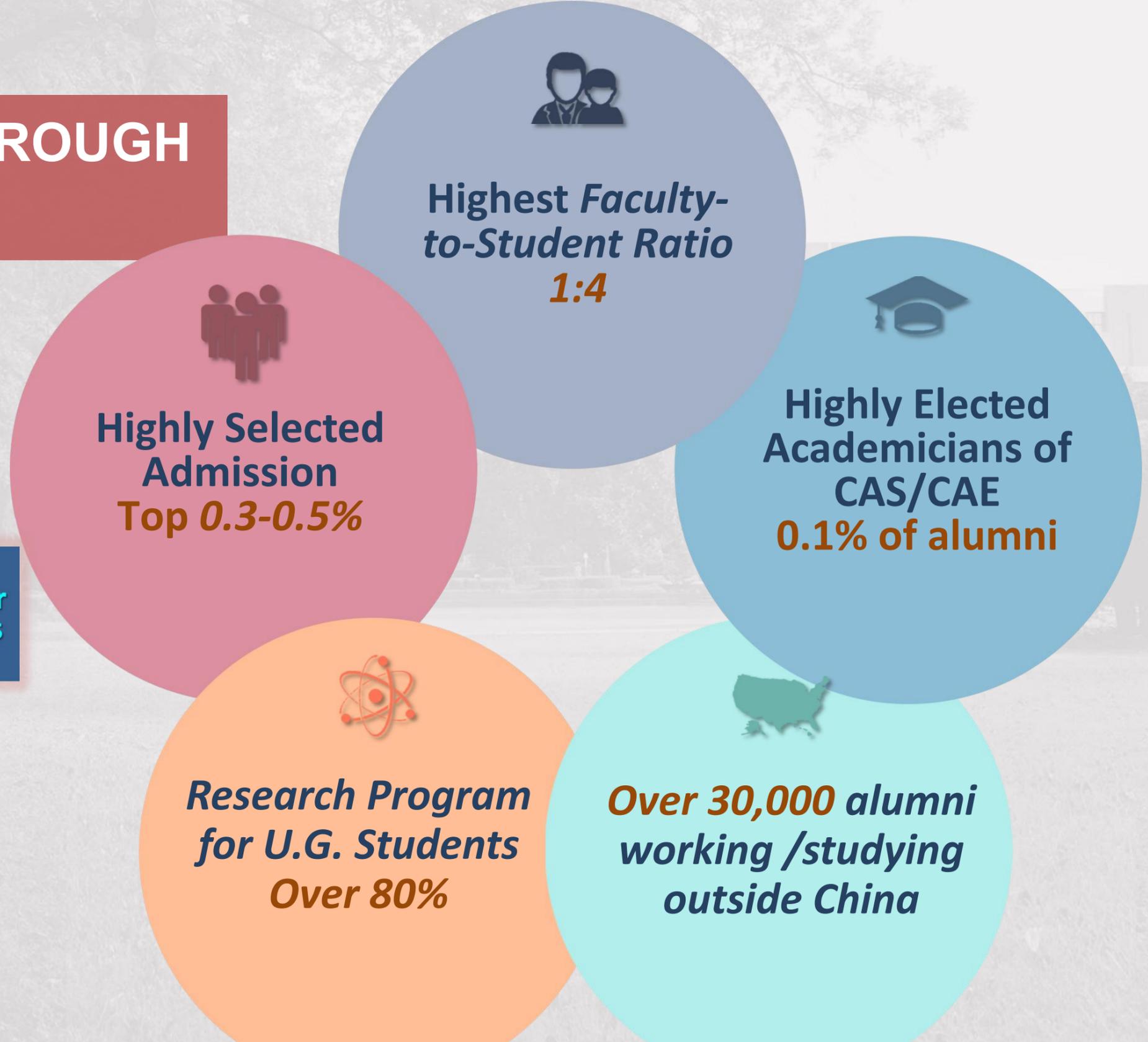
## CULTIVATING INNOVATORS THROUGH A TAILORED EDUCATION

REGARDED AS  
“THE CRADLE OF SCIENTISTS”  
IN CHINA

Two Years of Broad-Area Training — “2+X” — Rich Opportunities for Development Choices

### Individualized Student Training

- ◆ Selection of a major
- ◆ Intensive studies
- ◆ Activities across all campuses
- ◆ Practice to formulate career plans
- ◆ Employment, further study...



# SCHOOL OF THE GIFTED YOUNG (SCGY)

## NATURING BRILLIANCE

PROPOSED IN 1978 BY PROFESSOR T.D. LEE  
(NOBEL PRIZE WINNER)

**Dr. ZHUANG Xiaowei**

1987, 15 years old  
NAS Member  
Harvard Professor



**Dr. LUO Liqun**

1981, 15 years old  
NAS Member,  
Stanford Professor



**Dr. ZHANG Yaqin**

1978, 12 years old  
Youngest IEEE fellow,  
Former Cooperate Vice  
President of Microsoft

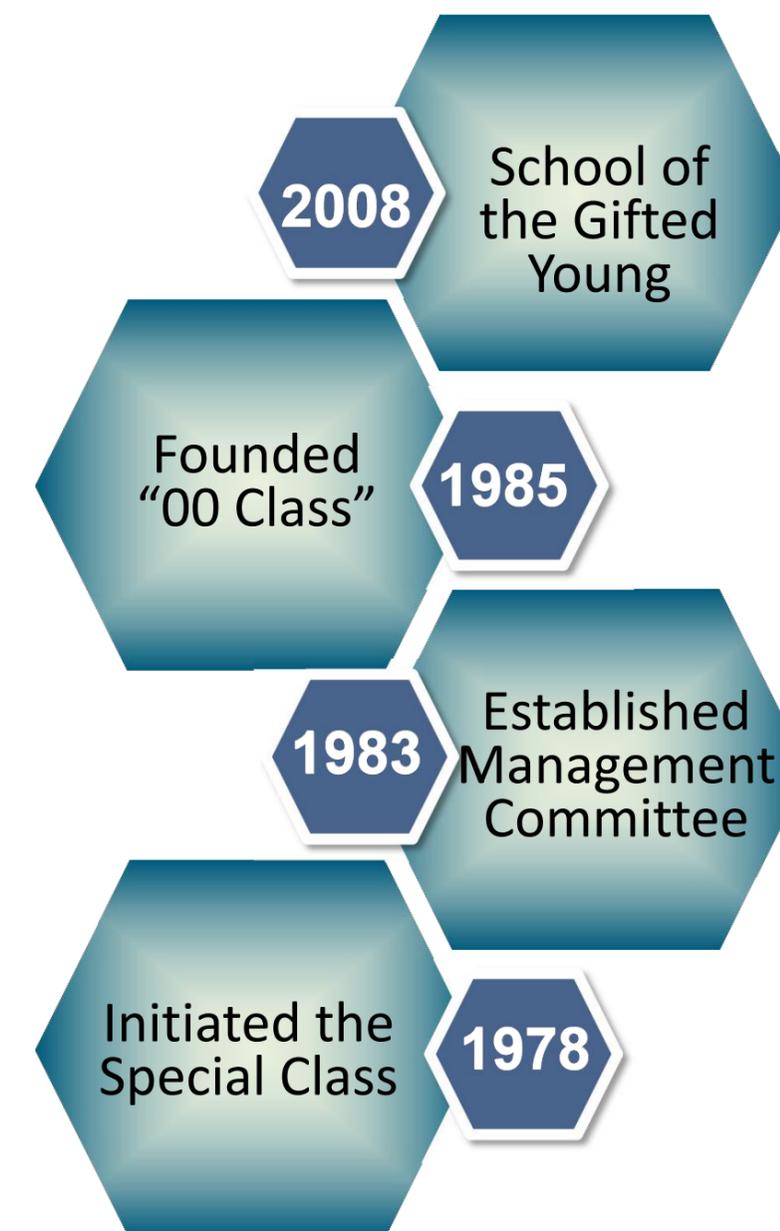


**Dr. YIN Xi**

1996, 12 years old  
2015 Harvard Professor  
(31 years old)



- Admit gifted youth under 16 years old
- 50 students per year nationwide
- Nurtured 2,000 students by 2017, over 90% obtained advanced degrees



# FACILITY

## LIGHTING THE WAY FOR TOMMORROW

Particular strength of USTC is its powerful facilities designed specifically to cater for large-scale science

- Hefei City is one of the only three *Comprehensive National Science Centers* in China, other than Beijing and Shanghai.
- USTC is one of the most important innovation center in China operating *national level labs* and *national scientific large facilities*.
- The *National Laboratory for Quantum Information Science* has been kicked off in 2017.



Experimental Advanced Superconducting Tokamak



National Synchrotron Radiation Laboratory



National Center for Physical Sciences at the Microscale



National Laboratory for Quantum Information Science

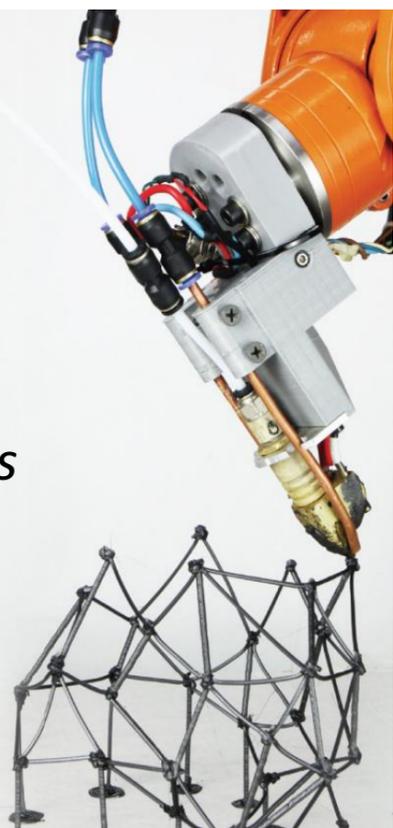
# RESEARCH

## DEVELOP EXCITING CROSS-DISCIPLINARY INNOVATIONS

### CROSSING BOUNDARIES OF BASIC SCIENCES

#### MATHEMATICS

*Computational geometry studies by USTC mathematicians have applications in 3D printing.*

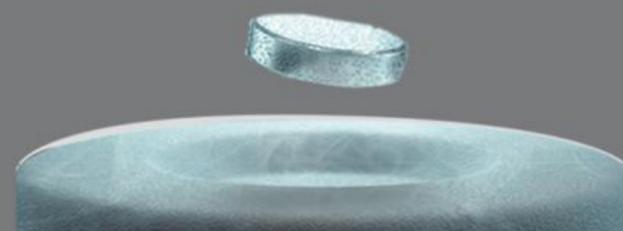


#### PHYSICS

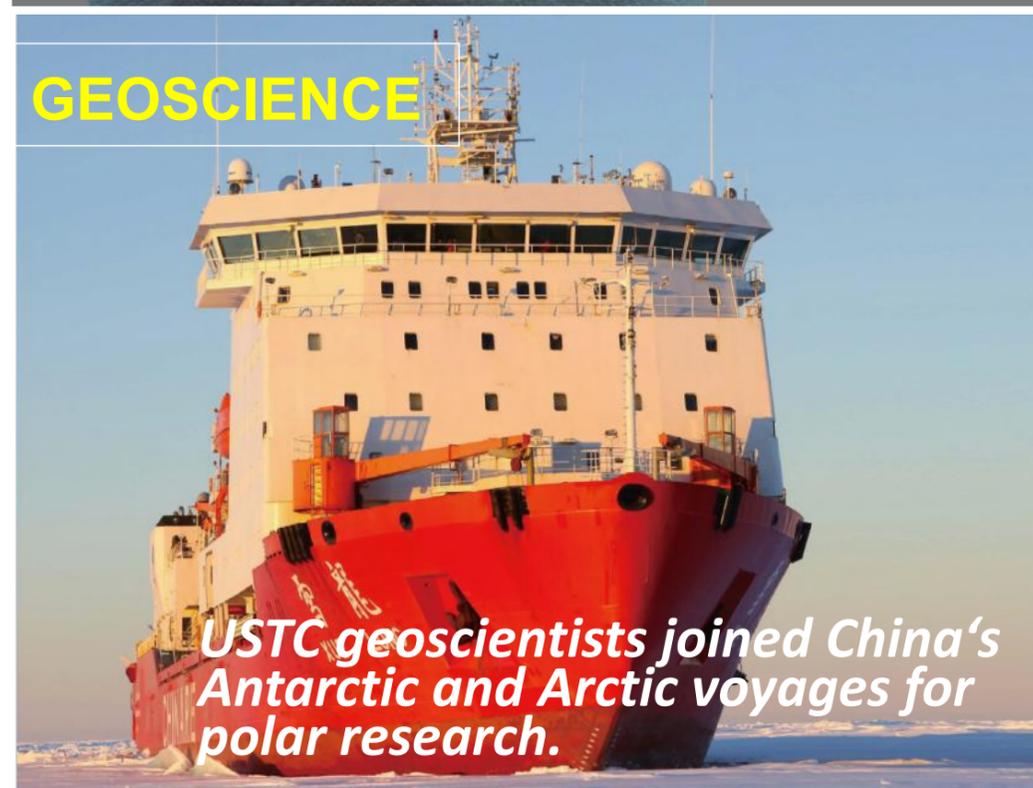


*Micius, developed by Pan's team, is the world's first quantum science satellite.*

*High-temperature superconductivity*



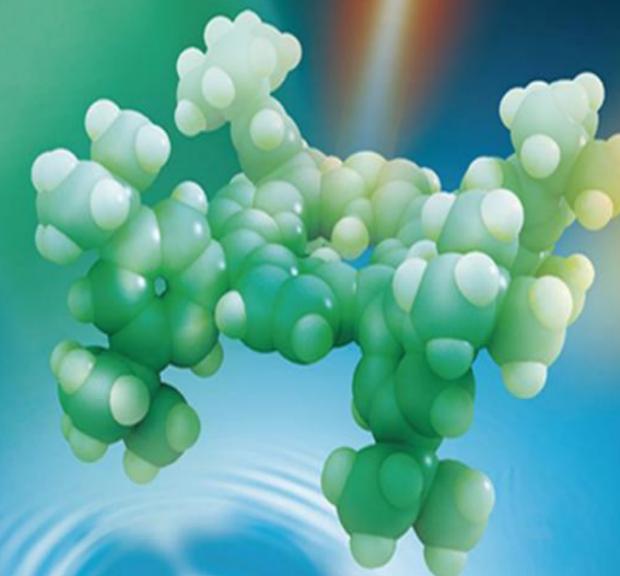
#### GEOSCIENCE



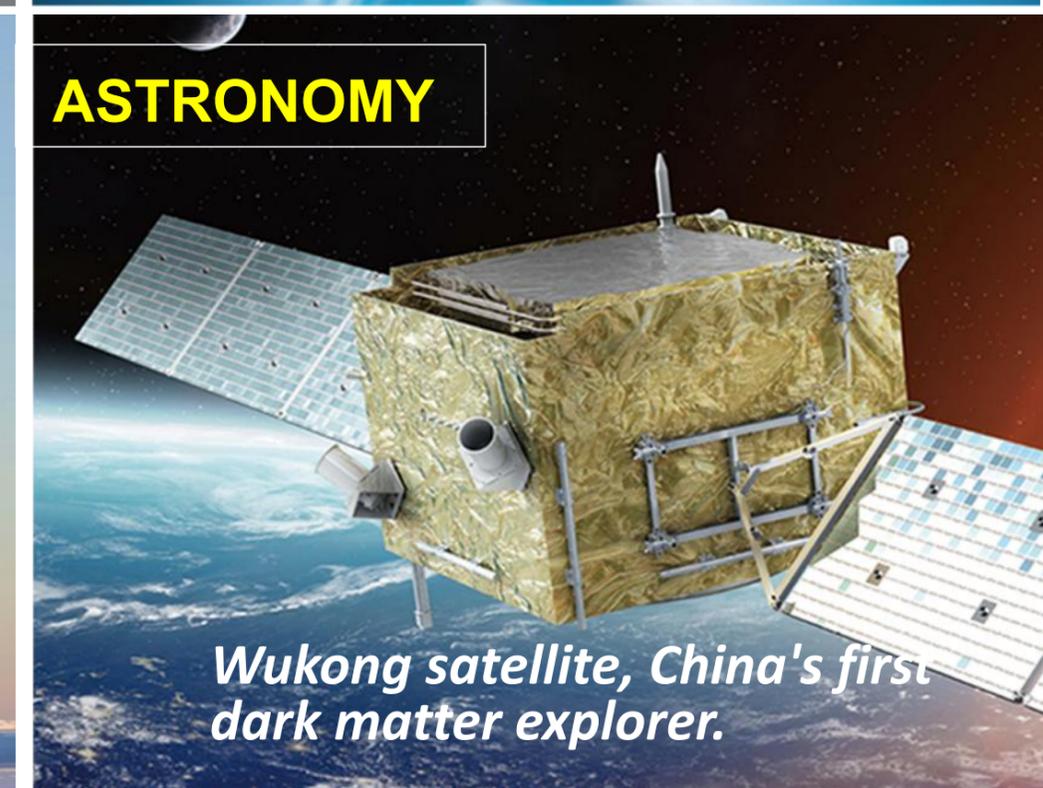
*USTC geoscientists joined China's Antarctic and Arctic voyages for polar research.*

#### CHEMISTRY & MATERIAL SCIENCE

*Singlemolecule Raman imaging produces detailed chemical pictures.*



#### ASTRONOMY



*Wukong satellite, China's first dark matter explorer.*

# RESEARCH

## DEVELOP EXCITING CROSS-DISCIPLINARY INNOVATIONS

### EMERGING ENGINEERING REAL-WORLD SOLUTIONS



**NEL-BITA**——  
National Engineering Laboratory  
for Brain-inspired Intelligence  
Technology and Application (2017)



**The face of smart  
technology**——**Jiajia**  
the robot can respond to  
facial expressions

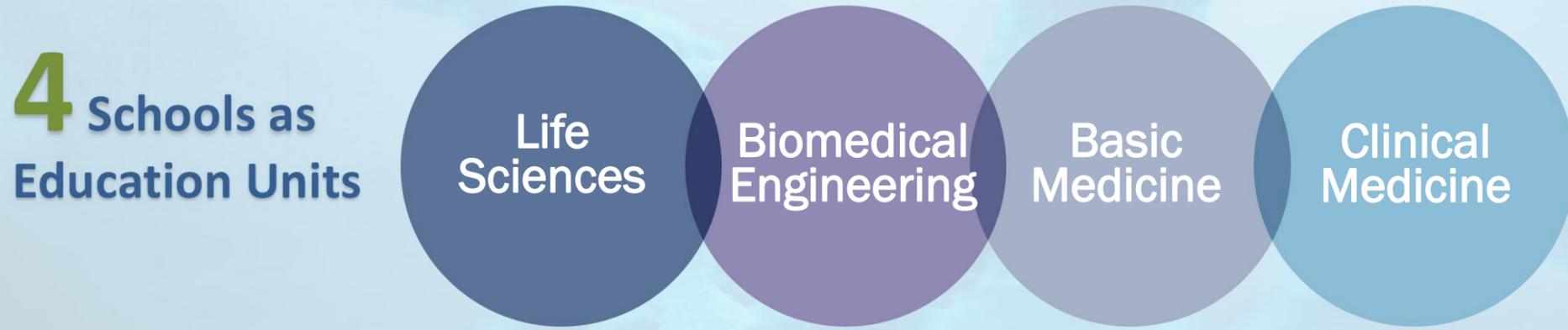
## NEW MEDICINE



New Faculty  
of Life Sciences & Medicine  
was established in 2017

The First Affiliated Hospital  
of USTC

- **Founded in 1898**
- **3A Hospital**
- **Largest in Anhui Province**
- **Top 10 in China (beds)**



# INTERNATIONAL ENGAGEMENT

## BROADENING COLLABORATIONS IN CHINA AND THE WORLD

**210**  
Partners from 35 countries worldwide

**731**  
International Students, more than 70% PhD Candidates

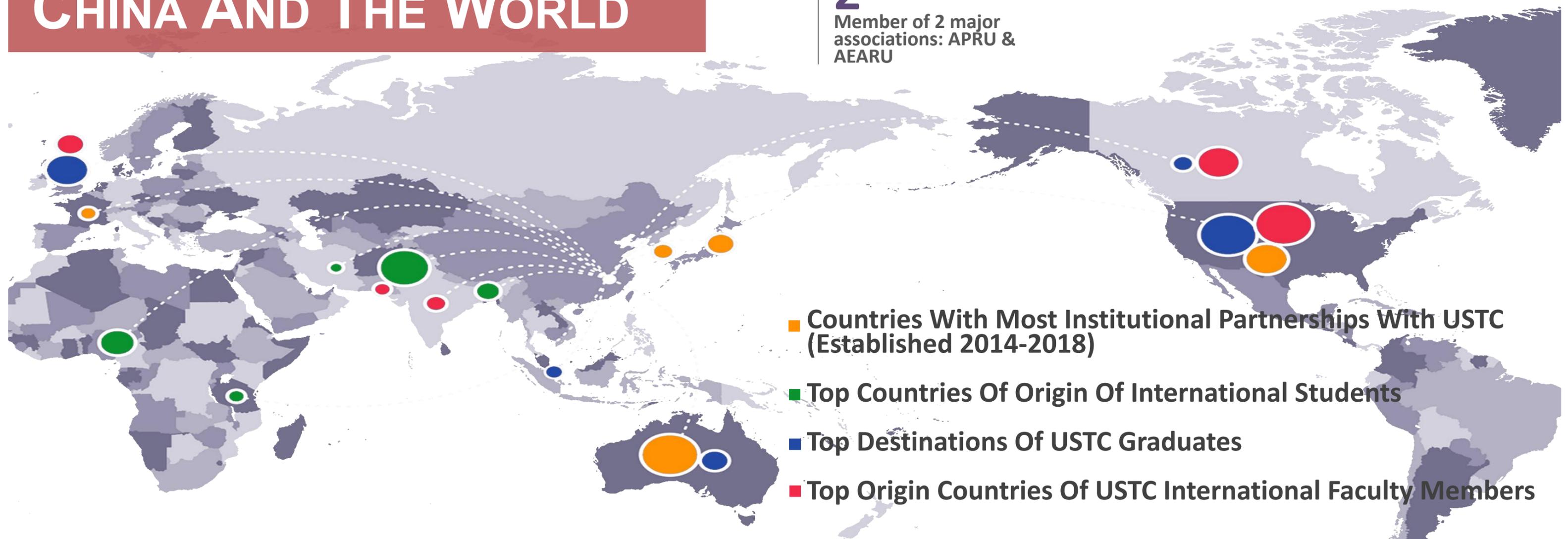
**1700**  
Students participated in USTC Study Abroad program in 2017

**1500**  
Foreign experts from 46 countries visited USTC for research & teaching in 2017

**30%**  
Publications co-authored with institutions in other countries

**30%**  
Mobility of the undergraduates

**2**  
Member of 2 major associations: APRU & AEARU



- Countries With Most Institutional Partnerships With USTC (Established 2014-2018)
- Top Countries Of Origin Of International Students
- Top Destinations Of USTC Graduates
- Top Origin Countries Of USTC International Faculty Members

# UNIVERSITY REPUTATION

USTC EARNED THE WORLD REPUTATION IN THE SHORT 60 YEARS BY EXTRAORDINARY QUALITY OF EDUCATION AND OUTSTANDING RESEARCH



93

TOP 3

in Mainland China



THE University Rankings 2019

98

TOP 4

in Mainland China



QS World University Rankings 2018/19

138

TOP 3



in Mainland China  
U.S. News Rankings 2019

23

TOP 4

in Mainland China

nature INDEX

Nature Index 2018

4

Disciplines in ESI' s  
world top 0.1% (March, 2018)  
Physics, Material Science, Chemistry,  
Engineering

13

Disciplines in the world's Top 50 ARWU  
Subject Rankings 2017  
Physics, Chemistry, Mechanical ENG, Electrical  
ENG, telecom ENG, computer, Chemical ENG,  
Material ENG, Instruments ENG, Nanoscience,  
Energy Plant and & Animal Sciences Molecular  
Biology & Genetics



中国科学技术大学  
University of Science and Technology of China  
紅專并進一甲子 科教報國六十年

# THANK YOU

UNIVERSITY OF SCIENCE  
AND TECHNOLOGY OF  
CHINA