



哈爾濱工業大學
HARBIN INSTITUTE OF TECHNOLOGY

HARBIN INSTITUTE OF TECHNOLOGY

Key Numbers, Achievements, and Activities at HIT



2025





CONTENTS

1

KEY NUMBERS

2

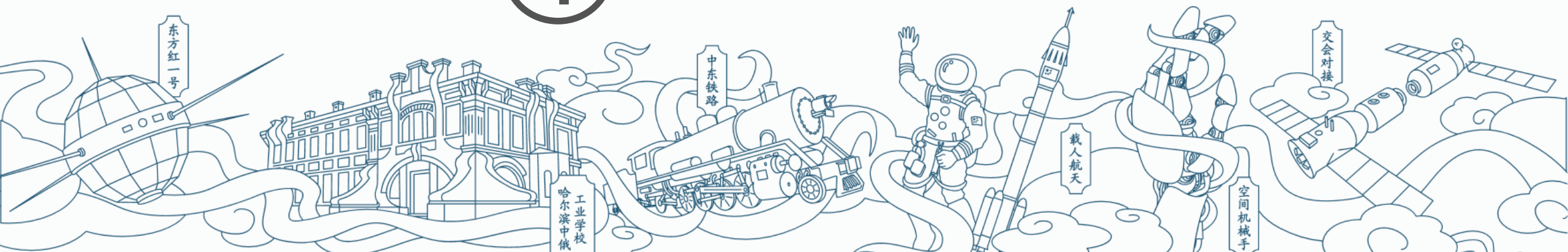
ACHIEVEMENTS

3

STUDY at HIT

4

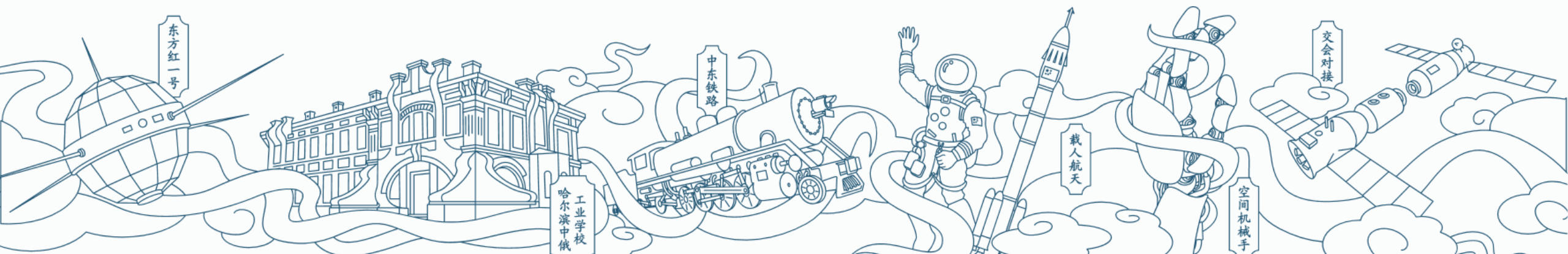
LIFE at HIT





1

KEY NUMBERS





HIT HISTORY

1920

Founded to build the railway in the Northeastern China

2009

A member of Top Nine University Consortium (C9) in China

2020

100th Anniversary

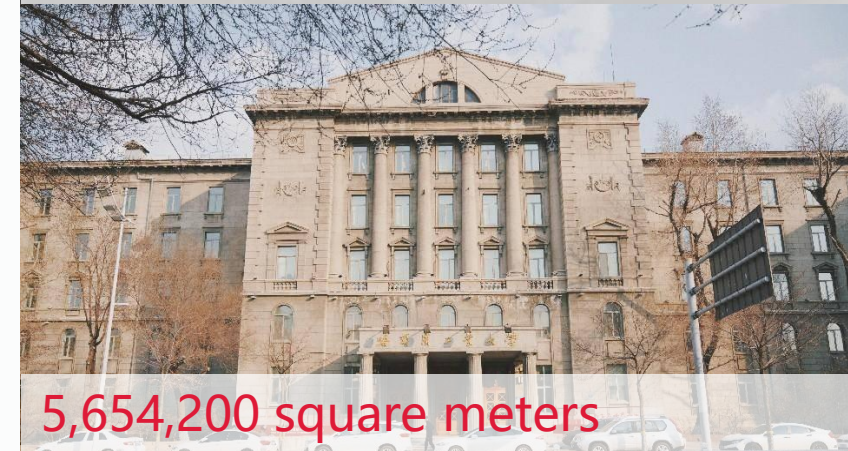
2022

HIT-International Campus (Chinese-foreign cooperation programs in running schools)

Zurich University of the Arts, **Switzerland**
Ecole Supérieure de Architecture de Catalonia, **Spain**
EMLYON Business School, **France**
Polytechnic University of Turin, **Italy**
Hanyang University, **South Korea**
IOC (International Olympic Committee)



Railway construction and electrical engineering

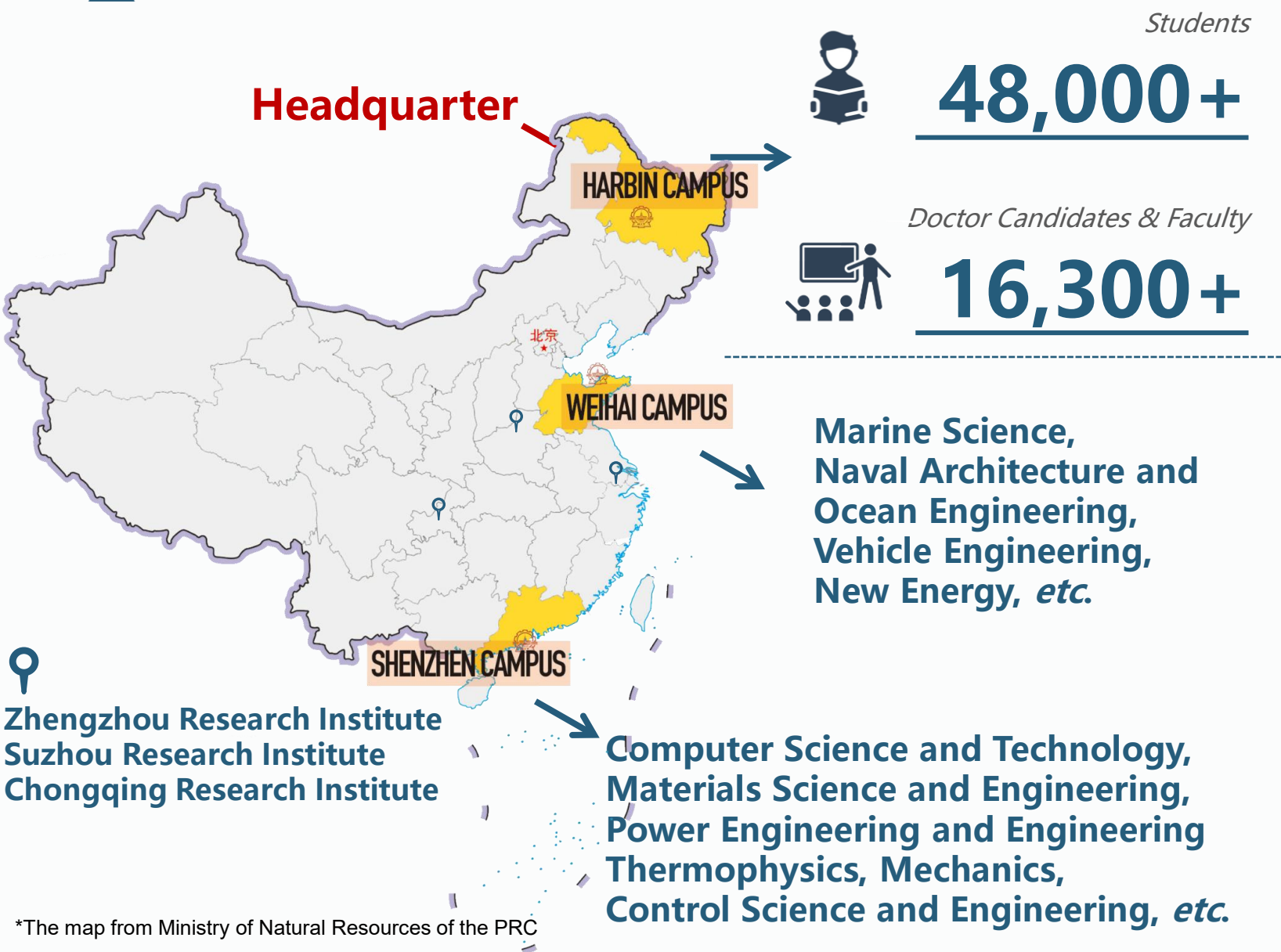


5,654,200 square meters





ONE UNIVERSITY THREE CAMPUSES – Unique Layout



Harbin, Ice City & Summer Capital



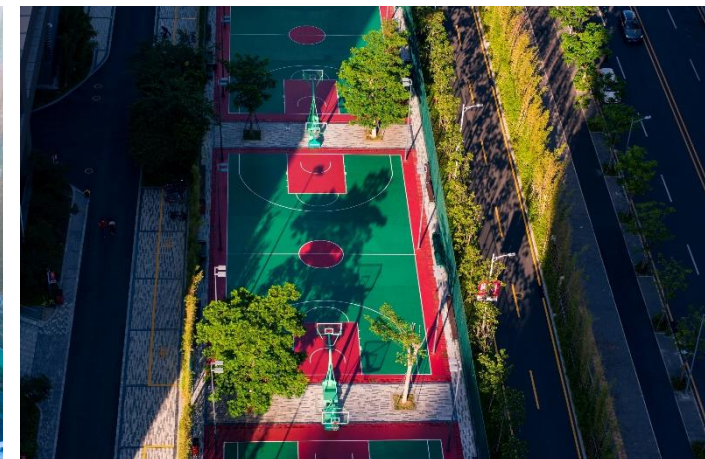
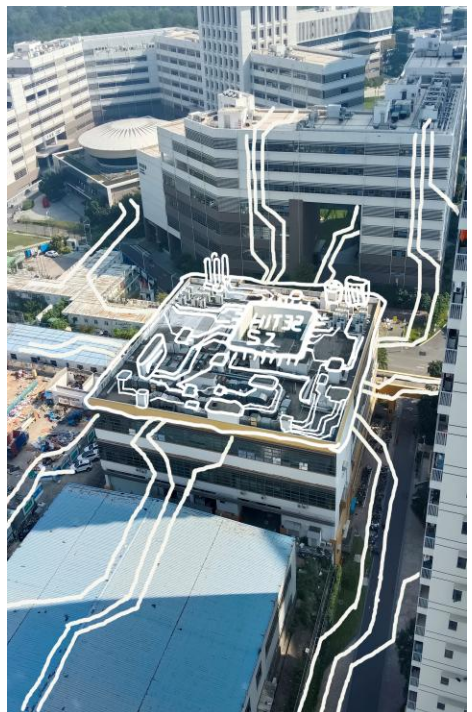
一校三区 威海

HARBIN INSTITUTE OF TECHNOLOGY

WEIHAI

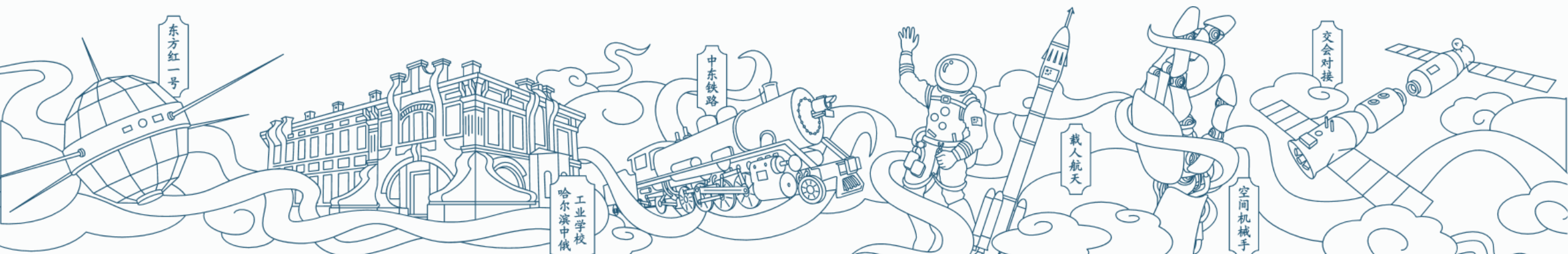
Blue sea and blue sky coastal city

Shenzhen Megacity, Silicon Valley of China





2 ACHIEVEMENTS





HARBIN CAMPUS

FACTS & FIGURES

24

Schools & Faculties

updated in 2024

ACADEMICIANS of
CAS and CAE

23

NATIONAL FIRST-
CLASS DISCIPLINES

8

NATIONAL
ENGINEERING
RESEARCH
CENTERS

4

STATE KEY
LABORATORIES

7

INTERNATIONAL
JOINT CENTER
/COOPERATION BASE

5

NATIONAL
ENGINEERING
LABORATORY

5



Engineering

5th

AREA

409.25
hm²

MICROSATELLITES

36

ANNIVERSARY

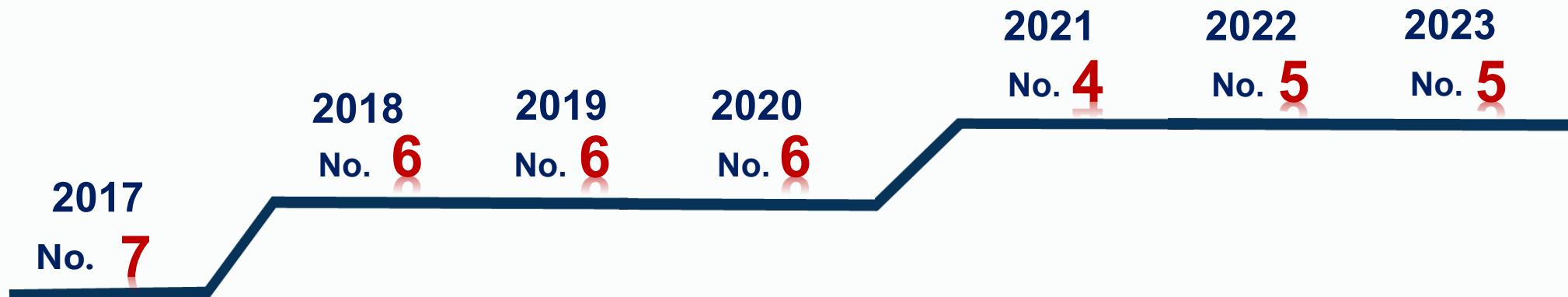
105th



8 NATIONAL FIRST-CLASS DISCIPLINES

Strong Advantages in Science & Engineering

- Aerospace Science and Technology, Materials Science and Engineering, Mechanics, Mechatronics Engineering, Control Science and Engineering, Computer Science and Technology, Civil Engineering, Environmental Science and Engineering, **8** disciplines were selected for the second round of **"double first-class" construction**.
- The fourth round of national discipline evaluation: 17 Class A disciplines, 15 Class A disciplines in Engineering, it ranks **2nd** in China.





HIGH LEVEL SCIENCE AND TECHNOLOGY

28 national research platforms, 131 provincial and ministerial research platforms, ranking among the top universities in China

12 STATE KEY LABORATORIES

- Robotics and Systems
- Advanced Welding and Joining
- Urban Water Resource and Environment
- Special Environmental Composite Technology
- Tunable (gas) Laser Technology
- Metal Precision Hot Processing
- Material Behavior and Evaluation Technology for Space Environment

9 NATIONAL ENGINEERING RESEARCH CENTERS

- Fast response small satellite application technology
- Metal matrix composites
- Synthesis, conversion and separation technology of nutrient molecules in extreme environments
- Emission reduction of coal-burning pollutants
- Sludge safe disposal and recycling technology
- Urban Water Resources Development and Utilization (North)

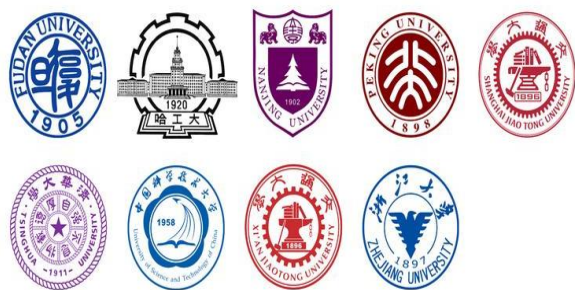
3 NATIONAL INNOVATION CENTERS AND PLATFORMS

- Collaborative Innovation Center for aerospace science and Technology
- National Robotics Innovation Center
- National energy storage technology production and education integration innovation platform
- Development and utilization of low-carbon buildings in cold areas
- Treasure and utilization of microbial resources
- Development and utilization of bioenergy



RANKINGS

China 9 (C9)



TOP 9

Universities in China

#2

Engineering & Technology

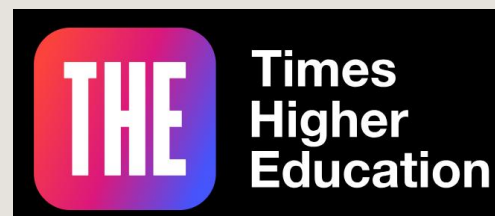


#128

Best Global Universities

#5

Best Global Universities
in Engineering



#152

THE World University
Ranking 2025

#51

THE World University
Ranking by Subject
in Engineering



#151-200

Academic Ranking of World
Universities

#1

Global Ranking of
Academic Subject in
Instruments Science
& Technology

#4

Global Ranking of
Academic Subject in
Aerospace Engineering



RANKINGS

QS 2025	Mechanical Engineering	Civil Engineering	Architecture & Built Environment	Materials Science	Data Science	Electrical & Electronic Engineering		Engineering Technology
	NO.36	NO.37 (First Time)	NO.46 (First Time)	NO.46 (First Time)	NO.47	NO.47 (First Time)		NO.47 (First Time)
US.NEWS	Environmental Engineering	Mechanical Engineering	Chemical Engineering	Water Resources	Electrical & Electronic Engineering	Biotechnology & Applied Microbiology		Civil Engineering
	NO.2	NO.5	NO.6	NO.10	NO.11	NO.14		NO.18
Shanghai Ranking	Instrument Science & Engineering	Control Science & Engineering	Metallurgical Engineering	Aerospace	Chemical Engineering	Civil Engineering	Environmental Science & Engineering	Bioengineering
	NO.1	NO.2	NO.3	NO.4	NO.5	NO.7	NO.7	NO.9



Essential Science Indicators (ESI)

TOP 1‰

ENGINEERING

TOP 1%

**MATERIALS
SCIENCE**

TOP 1%

•MATHEMATICS •CLINICAL MEDICINE •CHEMISTRY
•PHYSICS •COMPUTER SCIENCE
•BIOLOGY&BIOCHEMISTRY •ENVIRONMENT/ECOLOGY
•SOCIAL SCIENCE •AGRICULTURAL SCIENCE

- Eleven disciplines of HIT are ranked among the top 1%
- The Materials Science of HIT ranked among the top 1‰
- The Engineering discipline ranked among the top 1‰

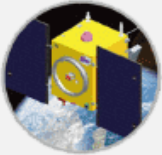


36 MICROSATELLITES

1st
satellite
designed by
RCST

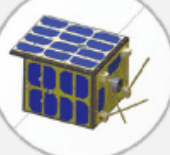
1st
satellite
designed and
launched by a
university in
China

SY-1



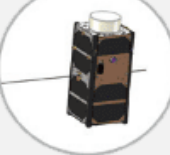
1st
microsatellite
designed,
developed
and
managed
indigenously
by students
of HIT

LilacSat-2



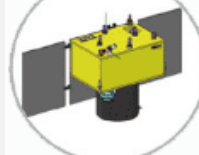
1st
CubeSat
project of
HIT It is
designed,
developed
and
managed
indigenously
by student
team

LilacSat-1



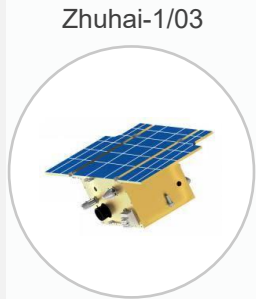
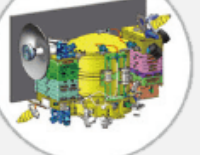
Zhuhai-1
remote
sensing
satellite
constellation
was funded
by the Obrit
company
and
developed
by HIT

Zhuhai-1



the world's
1st
microsatellit
e to
independently complete
the Earth-
Moon
transfer,
braking, and
flight around
the moon

Longjiang-2/02



2004 2008 2013 2014 2015 2017 2018 2019 2020

- ◆ In the past 17 years, faculties and students of Research Center of Satellite Technology (RCST) have **designed** and **launched 35 satellites** successfully.
- ◆ Now, We still have **100 more satellites** on order and are in the process of designing and manufacturing.



**HARBIN INSTITUTE OF TECHNOLOGY:
TOP PLACE FOR SCIENCE & ENGINEERING**



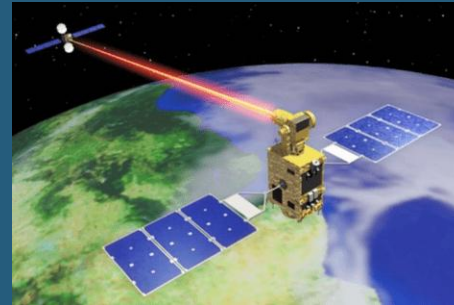
HIGHLIGHTS on SCIENTIFIC RESEARCH

1st



The first School of Astronautics in China

The first Chinese university to independently develop and launch small satellites (smallsats and micro-sats) into the moon's orbit



The first to achieve satellite-ground laser link communications

The first man-machine coordinated on orbit maintenance test space manipulator in the world



The first computer to play chess and talk with people

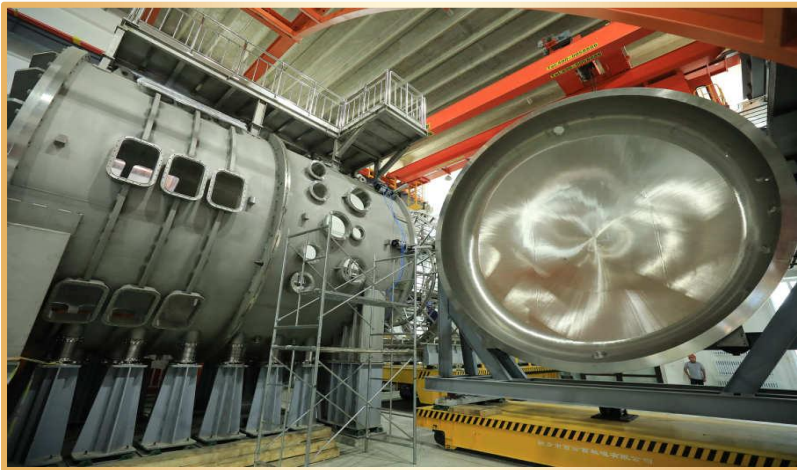
The first university to achieve a major breakthrough in supporting structure development for the largest radio telescopes





NATIONAL MAJOR SCIENTIFIC PROJECT- SPACE ENVIRONMENT SIMULATION INFRASTRUCTURE

- **The Ground Space Station of national major science engineering led by HIT has entered into operation.**
- **Organize experts from different disciplines to carry out collaborative research on the practical issue of "how to simulate the spatial environment" during the design and construction process.**



Infrastructure construction site



Infrastructure renderings

At present, the largest and most functional basic scientific research platform for a space environment and material role in China and even in the world provides strong support for the development of space science and space technology in China.

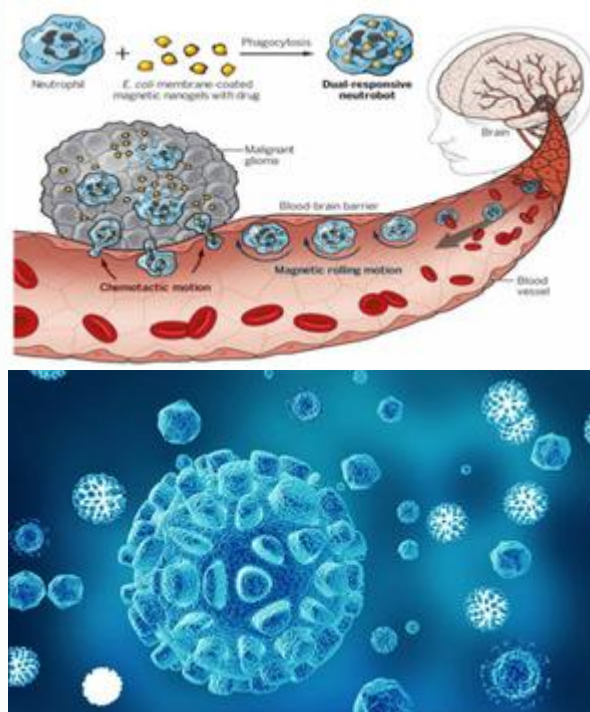


BIOMEDICAL ENGINEERING

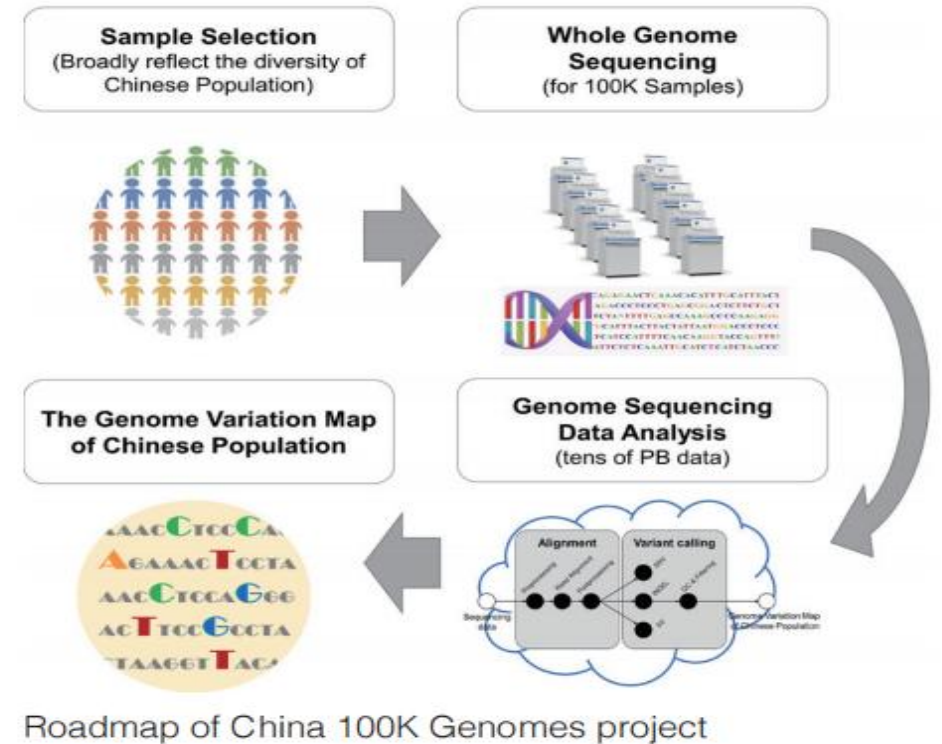
Nanobiotechnology, bioinformatics, aerospace medicine and engineering, biomedical detection and imaging, and medical artificial intelligence



Medical equipment



Diagnosis and treatment nanofunctional materials



Bioinformatics

national essentials
Aerospace Vanguard
国之重器 航天尖兵

HARBIN INSTITUTE OF TECHNOLOGY

Various techniques supporting

"Long March 5" "Long March 7"

first flight

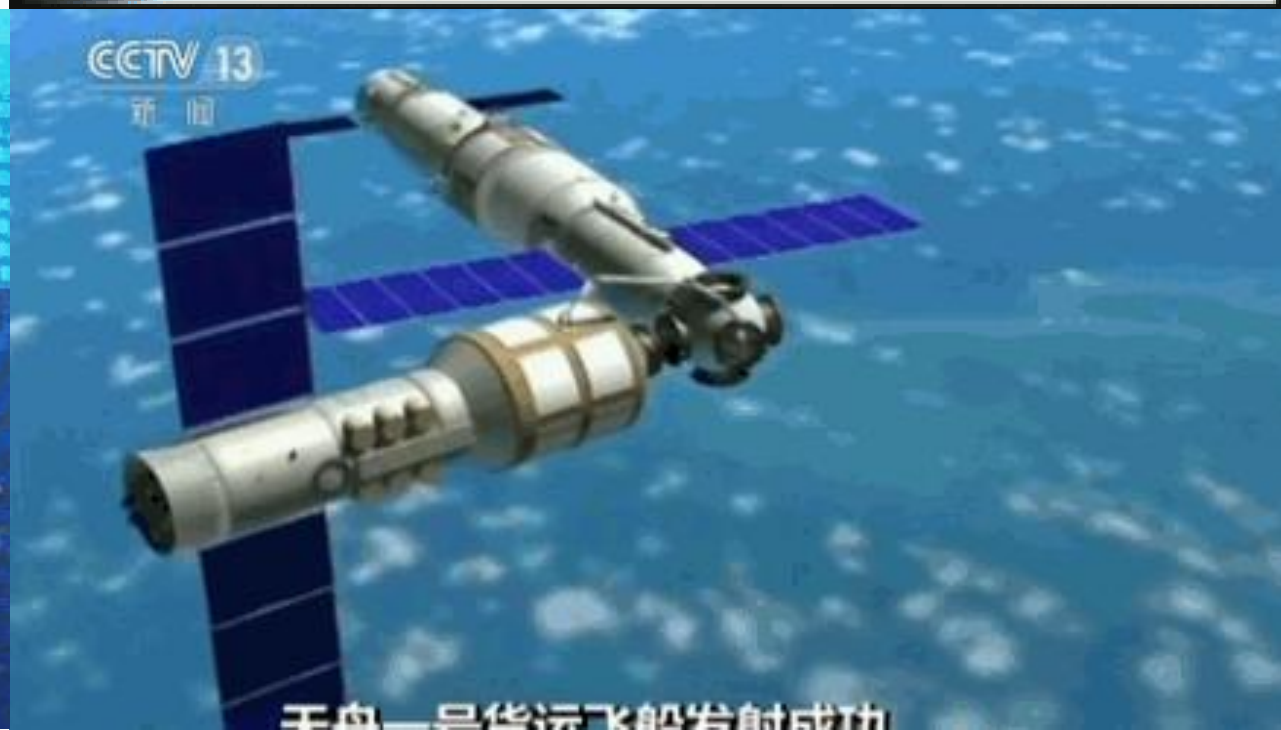
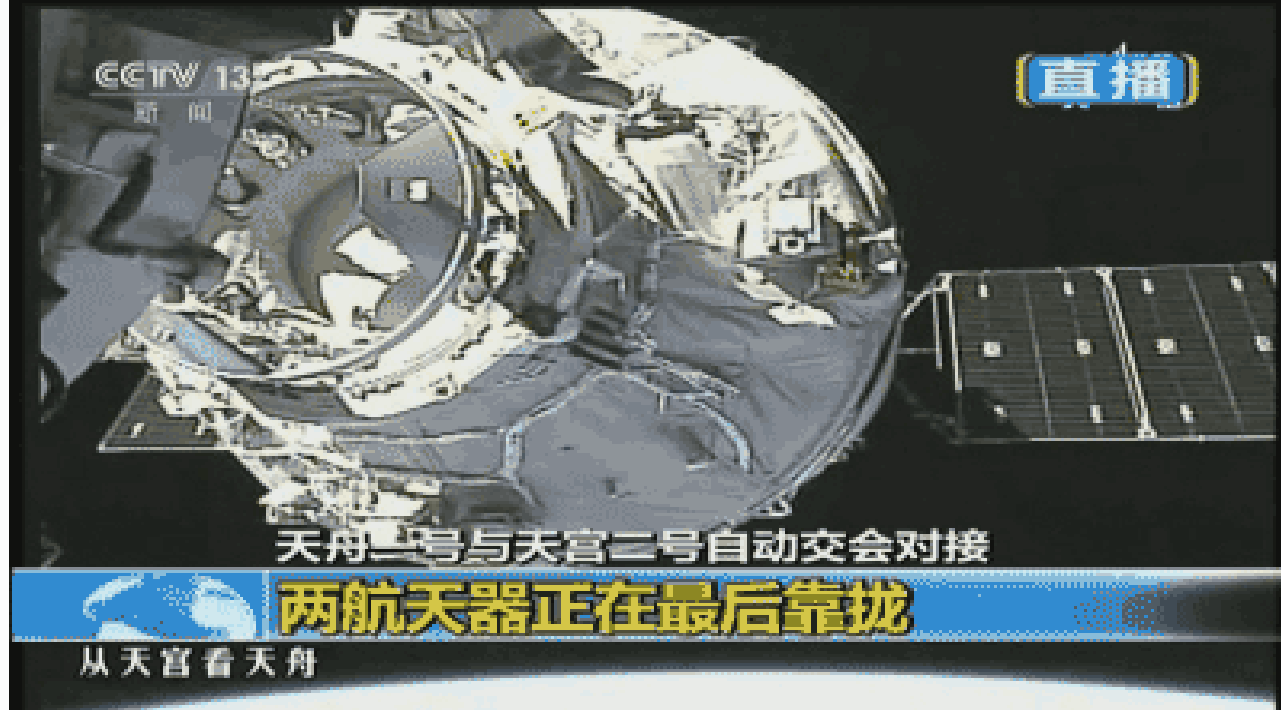
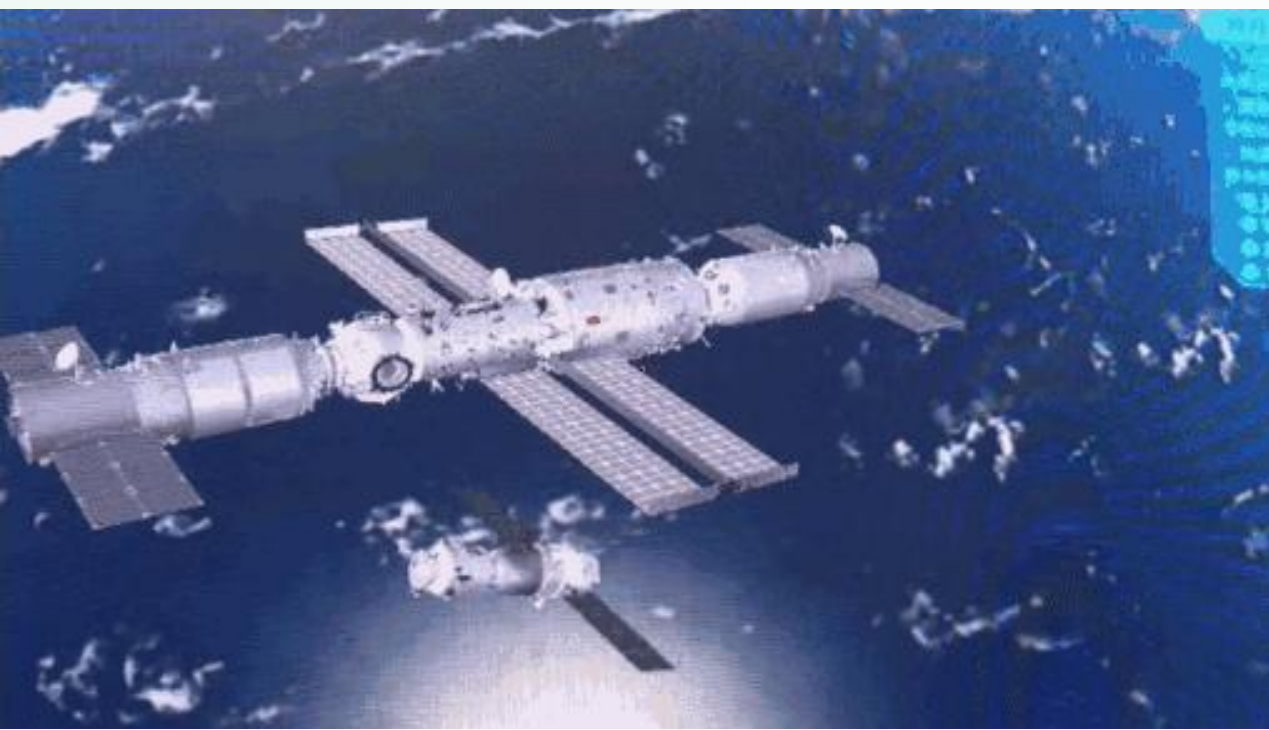


national essentials
Aerospace Vanguard
国之重器 航天尖兵

HARBIN INSTITUTE OF TECHNOLOGY

"Tiangong" target aircraft The "Shenzhou" series of spacecraft

HIT **20** key techniques

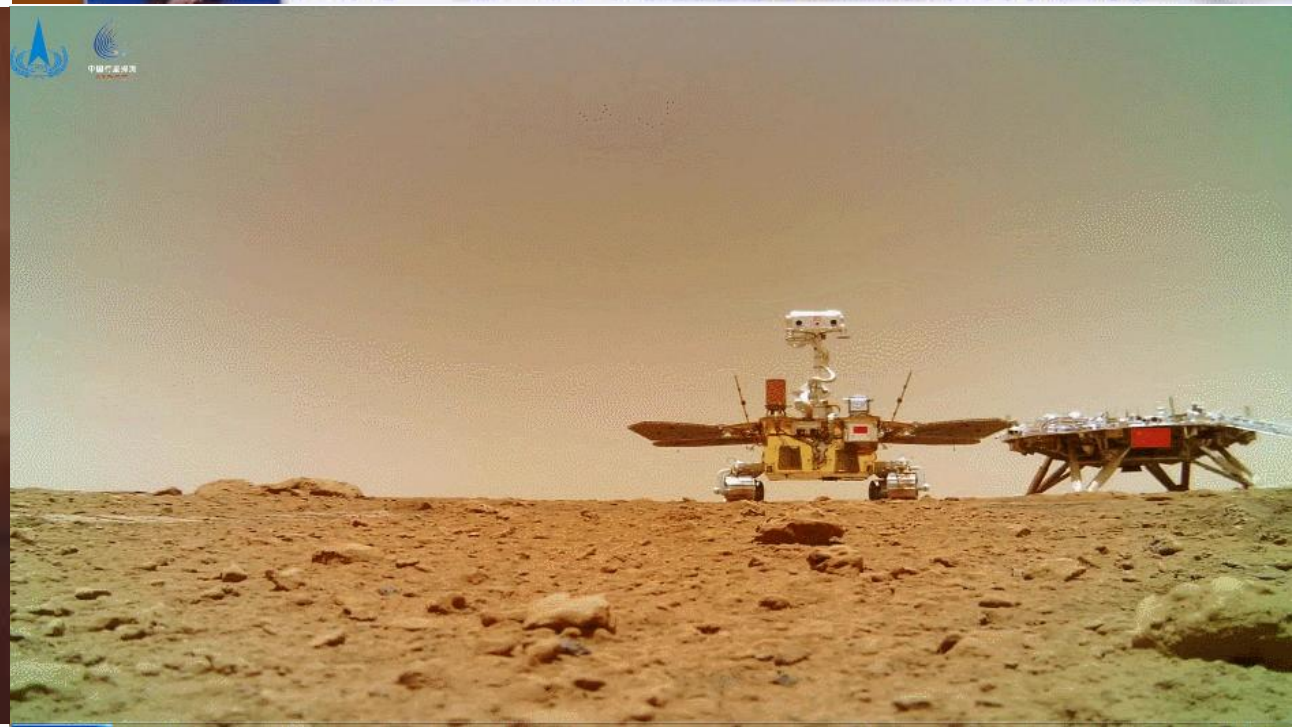
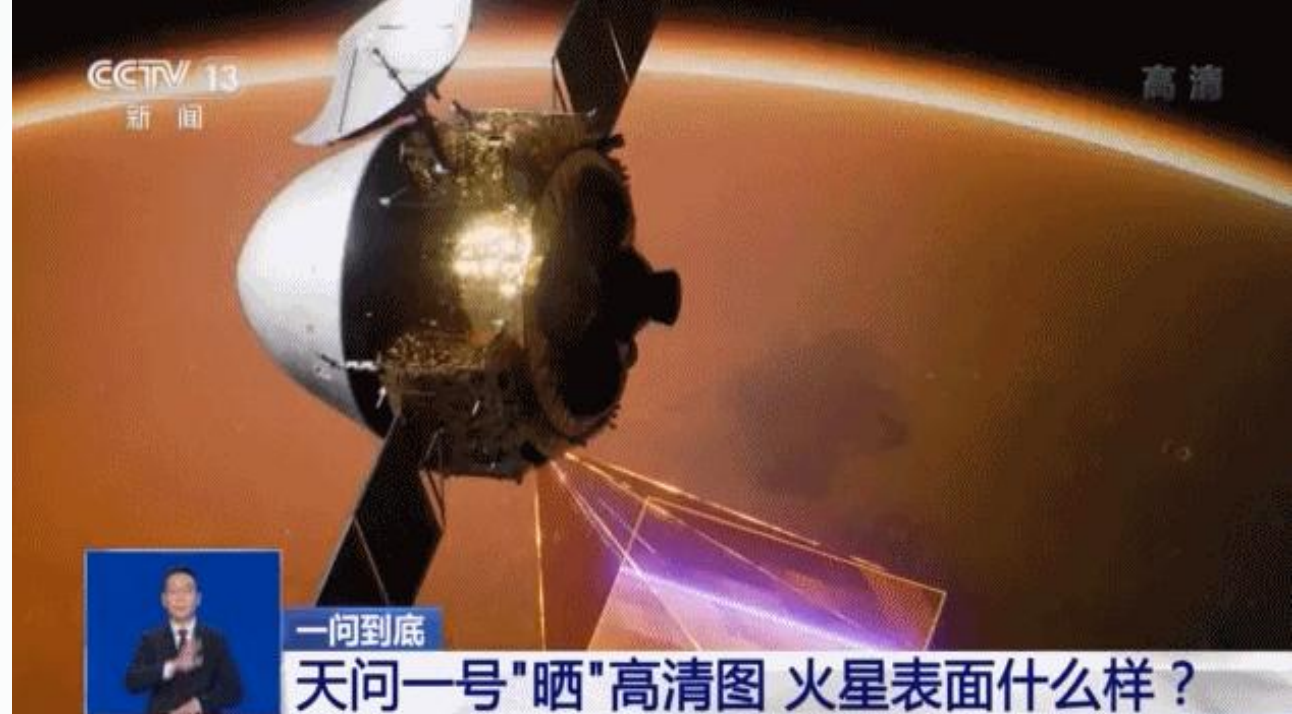


Tianwen No. 1

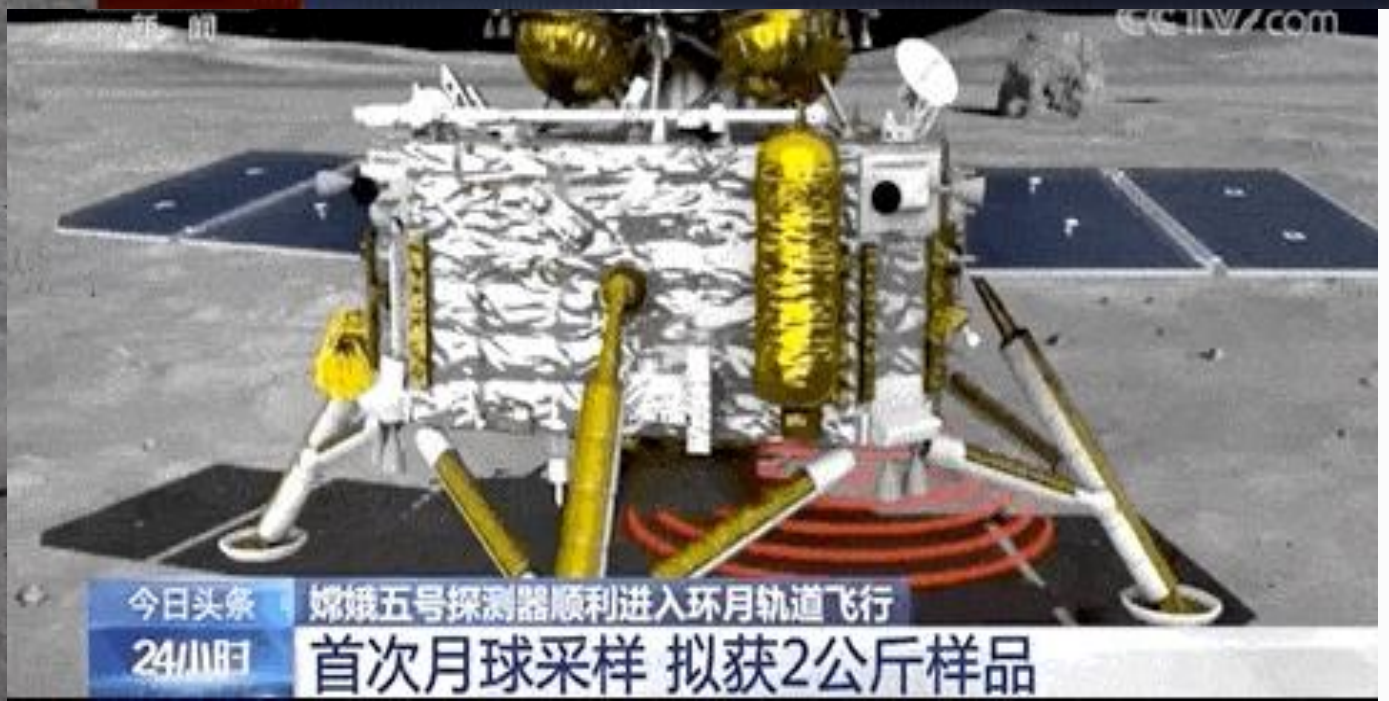
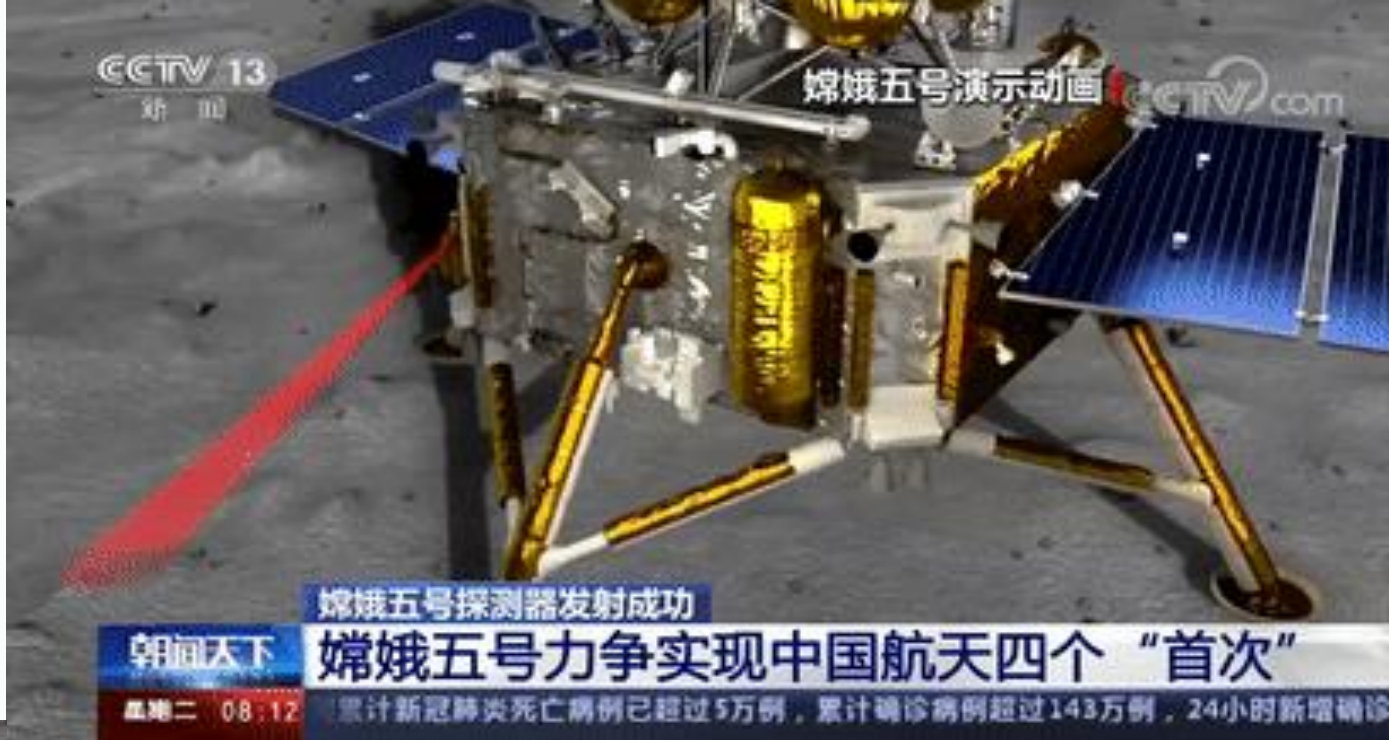
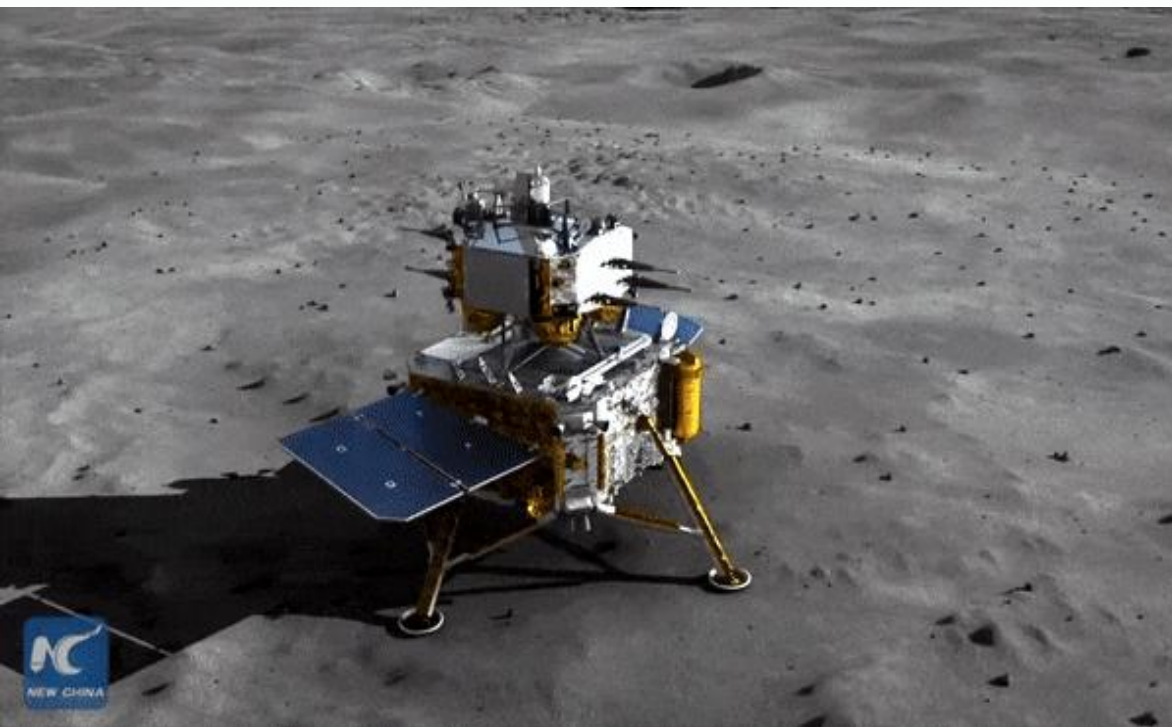
Demonstration of the Mars orbiter braking capture scheme

The five-star red flag is dazzling

Mars Rover Mobility System

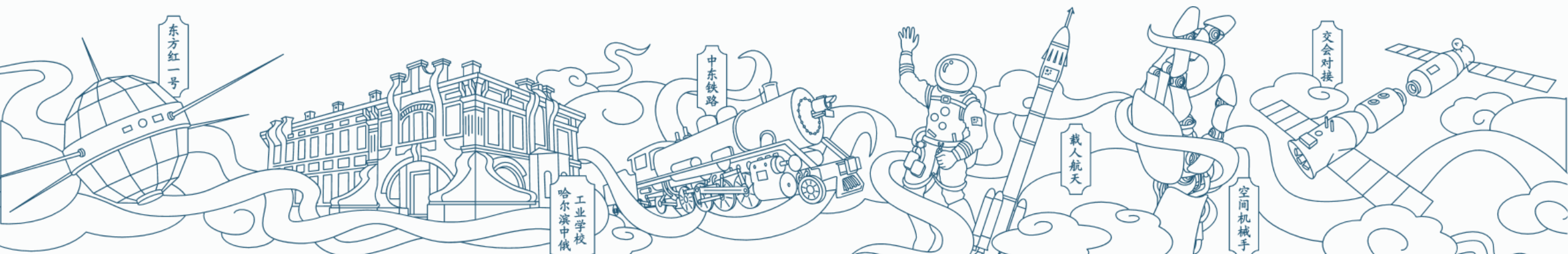


Chang'e-5





3 *STUDY at HIT*





LEADING TALENTS CULTIVATION



School of Future Technology, founded in June 2022, is one of the first 12 future technology schools in China



National Elite Engineers School creates a new situation in the cultivation of high-level talents by integrating production and education, and create an excellent new system of professional postgraduate education.



CHINESE-FOREIGN COOPERATION IN RUNNING SCHOOLS

D E S I G N
F U T U R E



HIT Shenzhen International School of Design was approved as a non-independent legal entity jointly established **with Zurich University of the Arts** on November 11, 2020.

- 3 first-level disciplines: Architecture, Urban and Rural Planning, Design
- 3 undergraduate majors: Architecture, Industrial Design, Digital Media Art
- 3 master majors: Architecture, Urban and Rural Planning, Design

The undergraduate education program of ***Big Data Management and Application*** jointly organized by HIT and ***Em Lyon Business School*** has been approved successfully by MoE in 2023 and has welcomed its first & second classes of **students** in 2023 & 2024.

early
makers

em
lyon
business
school



INTERNATIONAL COLLABORATION

HIT is the members of more than ten international organizations



中国-东盟工科大学联盟
ASEAN-China Network for Cooperation and Exchanges among Engineering and Technology Universities



一带一路 航天创新联盟
The "Belt and Road" Aerospace Innovation Alliance



**International
Telecommunication
Union**



**Alliance of
Universities of
the Silk Road**



BRICS
Universities League



**Belt and Road
University Alliance**



**Arctic university
alliance**



中英大学工程教育与研究联盟
University Consortium
on Engineering Education
and Research



INTERNATIONAL EDUCATION PROGRAMS

01

Degree Programs

- Bachelor's
- Master's
- Doctoral

02

Non-degree Programs

- Chinese Language
- Pre-university
- Exchange

Bachelor's degree programs:

- Chinese-taught programs: 98
- English-taught programs: 2
 - ① Civil Engineering
 - ② Chemical Engineering and Technology

Master's degree programs:

English-taught programs:

Management, Materials, Mechanical Engineering, Civil Engineering, Electricity & Chemical Engineering, Computer Sciences

Doctoral degree programs:

All doctoral degree programs can be taught in English (except the programs in the School of Humanities, Social Science and Law)



Study at HIT



Classroom



HITCRT Competitive robotics team



Study at HIT



Professor Shanyi DU and students in Composite Materials and Engineering



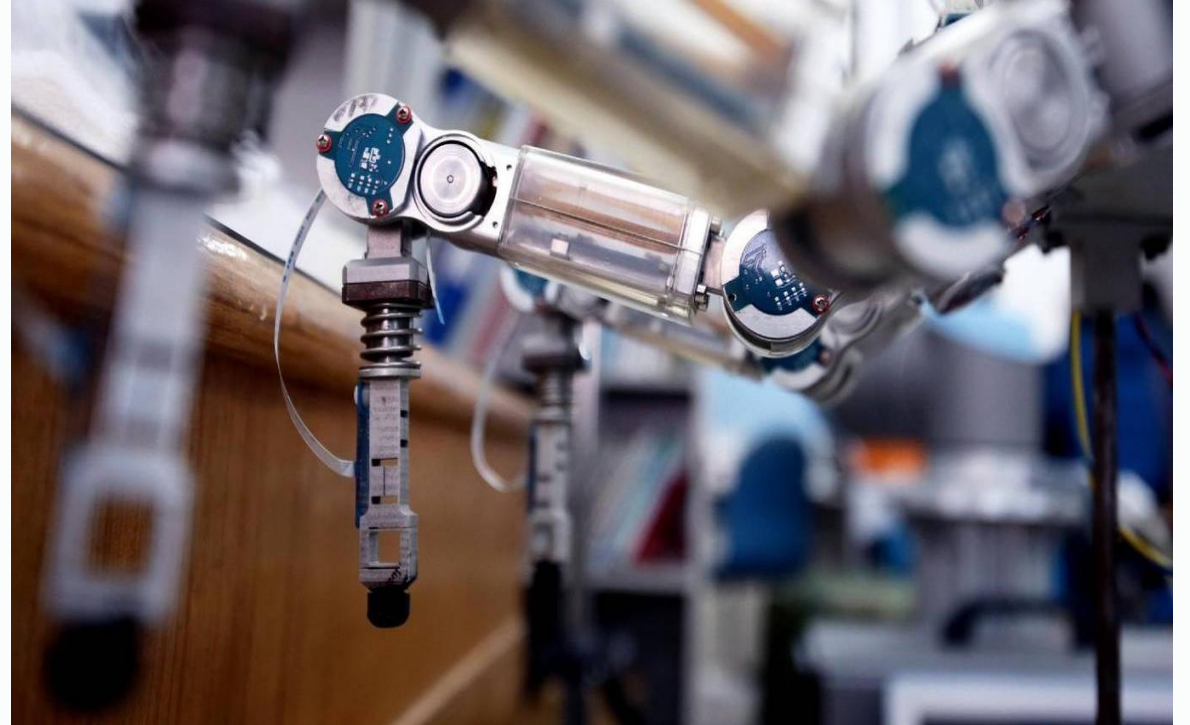
Professor Yongtan Liu is with young teachers and students.



Study at HIT



Laboratory



Millirobot



Study at HIT



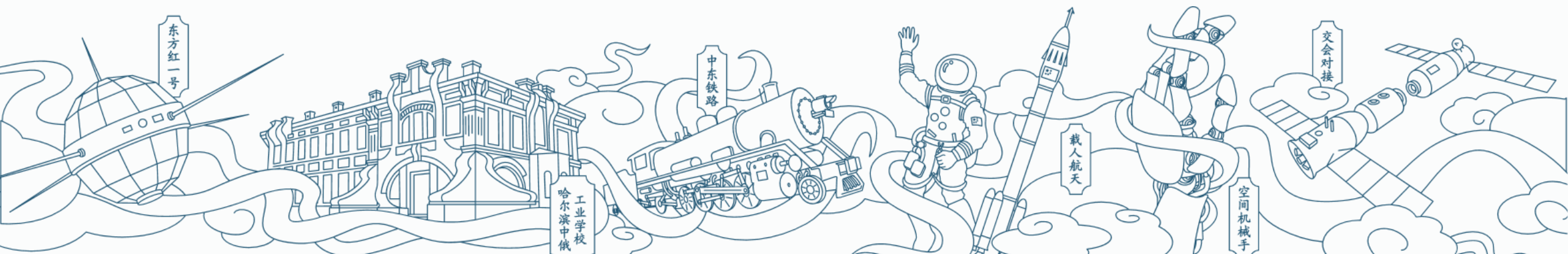
HIT Library





4

Life at HIT





Campus Facilities -- The Campus Warm Corridor

Campus Air Corridor effectively links various campus buildings which can alleviate the impact of extreme weather on campus life.





Campus Facilities - Gymnasium

HIT has complete physical exercise facilities, providing teachers and students with places to exercise throughout the year, and the wind and rain playground under construction will further create good conditions for the healthy life of teachers and students.





Campus Facilities - Gymnasium





Campus Facilities - Dormitory

Room Type: Four-bed room or Double room

All equipped with air conditioning





Campus Facilities



Mingde Building, Basic scientific research Building and Science and Technology Innovation Building have been settled, and the teaching and research environment has been comprehensively improved.



The school will fully build more than 2700 sets of talent rooms and talent apartments this year, with superior geographical location, close to the school campus, complete supporting facilities around, high-end hardcover residential.



Student Activities



International Culture Carnival



**HIT Aerobics Competition The 1st place on Campus
(Group from International Students)**



Student Activities



HIT Ice & Snow Festival

HIT Ph.D. Student QI Guangpu won the men's Freestyle Skiing Aerials Competition at Beijing 2022 Olympic Winter Games



Life at HIT



10+ Canteens



Cuisine



Tasty HIT





CONTACT US



CONTACT US

INTERNATIONAL COOPERATION DIVISION



No. 92 West Dazhi Street, Harbin Institute of Technology



86-451-86412980



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global@hit.edu.cn



WELCOME TO HIT



HARBIN INSTITUTE OF TECHNOLOGY

