Admission Book 2015

Office of International Students
Beijing Institute of Technology

2015-2016

WELCOME MESSAGE FROM THE DIRECTOR

Dear students and colleagues,

Thank you for your interests in Beijing Institute of Technology. As one of the top science and technology universities in the nation, we offer a high-level education for degree and language study. With top-tier faculty and programs, friendly staff, and a pleasant living environment, I know that you will not be disappointed in choosing BIT as your university of choice. With many strong and prestigious science and technology programs to choose from, you will receive quality education and have great future job prospects.

Since BIT is located in the capital of China, you will be in the heart of the nation, surrounded by a city that has integrated modern conveniences together with the rich treasures of a culture with more than 5,000 years of history. Your choice of BIT will be rewarded with a wonderful university experience. We look forward to welcoming you here in Beijing!

Sincerely,

Wang Ying (Ms.)
Director
Office of International Students

Contact Us

Director

Tel: +86-10-68918316

Mobile: +86-13910172716

wangying318@gmail.com

yingwang@bit.edu.cn

Wang Ying

Associate Director

Tel: +86-10-68912934

Mobile: +86-13520186272

zhaokun@bit.edu.cn

Zhao Kun

Supervisor of International Affairs

Tel: +86-10-68918272

Mobile: +86-18801107550

sabrinashen2013@gmail.com

jiapeishen@bit.edu.cn

Shen Jiapei

Applicants please contact:

Undergraduate Programs

Tel: +86-10-68918706

Mobile: +86-13811712016

undergraduate@bit.edu.cn

Hao Mengfan

Graduate Programs

Tel: +86-10-68918083

Mobile: +86-13810175529

master_phd@bit.edu.cn

Zheng Ye

Chinese Language Study Programs

Tel: +86-10-68912847

Mobile: +86-13681519360

studychinese@bit.edu.cn

Zheng Hailan

BEIJING INSTITUTE OF TECHNOLOGY

Academy of Natural Sciences, Yan'an

Beijing Institute of Technology (BIT)
北京工业学院

Beijing Institute of Technology (BIT)
北京理工大学

"985 Project"

1940   1949   1952   1959   1988   1995   2000

Moved to Beijing

Approved to be a national key university
Authorized to offer graduate degrees

"211 Project"

CONTENTS

Students & Faculty Numbers

Students	27,183
Undergraduates	14,774
Masters	7,959
Ph.D Candidates	3,250
International Students	1210
Employees	3,256
Faculty	2,005
Staff	1,468

1

Top Ranking Programs in China

Mechanical Engineering

Aerospace Engineering

Mechanics

Optical Engineering

Information & Communication Engineering

Control Sicence and Technology

Electronic Science and Technology

Instrument Science and Technology

Computer Sicence and Technology

Management Science and Engineering
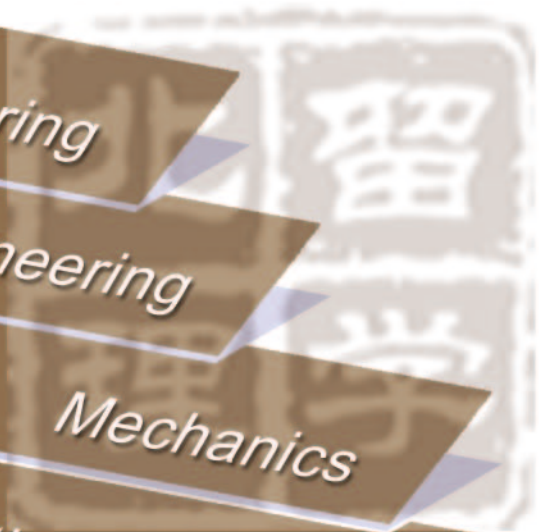
Undergraduate Programs

(Chinese & English*)

Flight Vehicle Design and Engineering *

Mechanics

Mechanical-Electronic Engineering*

Mechanical Engineering*

Industrial Engineering

Vehicle Engineering

Transportation

Transport Engineering

Optical Information Science and Technology

Measurement & Control Technology and Instrument

Information and Electronics Engineering

Electronic Science and Technology *

Communication Engineering

Information Countermeasure Technology

Automation

Electrical Engineering *

Computer Science and Technology *

Internet of Things Engineering

Software Engineering *

Materials Science and Engineering

Chemical Engineering and Technology

Environmental Engineerng

Biotechnology

Bioengineering

Biomedical Engineering

Mathematics

Statistics

Physics

Chemistry

Information Management and Inforamtion System

Business Administration

Marketing

Accounting

International Economics and Trade *

Economics

Social Work

Law

English

Japanese

German

Spanish

Industrial Design

Art Design

Undergraduate Programs in English

Electrical Engineering

Core courses: Adaptive Control, Analog Electronics, Computer Control System, Control Theory, Data Structures and Algorithms Design, Energy Conversion Technology, Engineering Design, Engineering Mechanics, Optimal Control, Physics, Mathematical Analysis, Sensors and Detection Technology, Signals and Systems, Power Electronics, Control of Robotics

Software Engineering

Core courses: C Programming Language, Computer Networks, Computer Organization, Discrete Mathematics, Data Structures, Database Theory and Design, Software Engineering, Design and Analysis of Algorithms, Operating Systems, Software Architecture and Design Patterns, Software Requirement Engineering and Modeling, Software Testing Technology

Electronic Science and Technology

Core courses: Algorithms Design and Analysis, Assembly Language Programming, Discrete mathematics, Compiler Principle and Design, Computational Theory, Computer Networks, Database Theory and Design, Fundamental of Electronics, Operating Systems, Principles of Computer Architecture, Software Engineering, Wireless Network and Communication

Computer Science and Technology

Core courses: Algorithms Design and Analysis

Assembly Language Programming, Compiler Principle and Design, Computational Theory, Computer Networks, Data Structures, Database Theory and Design, Discrete mathematics, Fundamental of Electronics, Information Security, Linear Algebra, Operating Systems, Probability and Statistics, Programming in C, Software Engineering

Flight Vehicle Design and Engineering

Core courses: Calculus, Theoretical Mechanics, Fundamentals of Fluid Mechanics, Complex Variable and Integral Transformation. Automatic Theory, Electrical and Electronic Technology, Engineering Drawing, Fundamentals of Machine Design, Computer Fundamentals and Programming, Flight Vehicle Systems, Aerodynamics, Flight Mechanics, Structural Mechanics, Aircraft Design, System Simulation, Principles of Optimization Design.

Mechanical Engineering

Core courses: Calculus, Computer Science and Programming, Dynamic System Modeling and Simulation, Electrical and Electronics, Engineering Design Project. Engineering Economics, Engineering Graphics, Engineering Management, Engineering Materials, Engineering Mechanics, Fluid Mechanics, Internal Combustion Engine Design, Vehicle Structure and Design, Theory of Machines and Mechanisms, Principle of Control and Instrumentation

International Economics and Trade

Core courses: Calculus, Econometrics, Financial Management, Fundamentals of Accounting, Human Resource Management, International International Finance, International Marketing, Macroeconomics, Management Information Systems, Microcomputer Database Applications, Microeconomics, Monetary Banking, Operation Research, Principle of Management,

Mechanical-Electronic Engineering

Core courses: Material Mechanics, Mechanical Design, Mechatronic Control Techniques, Mechatronic Servo Systems. Mechatronic System Analysis &Design, Mechatronic System Modeling and Simulation, Modern Power Electronic Technology, Sensing and Testing Technology, Signals and Systems, Theoretical Mechanics, Fundamental of Robotics, Computer Control Systems, Analog Electronics, Adaptive Control, Electric Circuits

Master Programs (Chinese & English*)

Aeronautics & Space Science and Technology*
Applied Economics
Biology
Biomedical Engineering
MBA / MIB (Master of International Business)*
Chemical Engineering and Technology *
Chemistry *
Computer Science and Technology *
Control Science and Engineering *
Design
Dynamic Mechanics and Engineering
Education
Electronic and Communication Engineering *
Environmental Science and Engineering *
Fine Arts

Foreign Languages and Literature
Information and Communication Engineering *
Instrument Science and Technoolgy
Law *
Management Science and Engineering
Materials Science and Engineering
Mathematics
Mechanical Engineering *
Mechanics
Optical Engineering
Pharmacy
Physics
Public Management
Safety Science and Engineering
Software Engineering *
Statistics

Master Programs in English

Aeronautics & Space Science and Technology

Advanced Computational Fluid Dynamic; Continuum Mechanics;
Principles of Composite Material Mechanics; Structural Dynamics
Fundamentals of Aerospace Propulsion; Orbital Mechanics
Guidance and control theory for flight vehicle;
Automated Rendezvous and Docking of Spacecraft;
Reactive Flow in Jet Propulsion

Computer Science and Technology

Advanced Operating Systems; Computer Vision;
Content Management and Technology of Digital Library;
Wireless Networks and Mobile Computing;
Web Mining Web; Network information security;
Machine Learning and Knowledge Discovery;
Algorithms and Complexity; Theory of Computation

Mechanical Engineering

Fundamentals of Modern Control Theory;
Modern Measurement Technology;
Elastic-Plastic Mechanics; Mechanical Vibration;
Advanced Engineering Thermodynamics and Heat Transfer;
Principle of Finite Element Method;
Principles of CAD/CAM/CAE;
Structural Design with Optimization Method

MBA/MIB (Master of International Business)

International business; International finance;
International business law; Operating management;
Business ethics; Management information system;
Marketing management; Accounting

Control Science and Technology

Linear Algebra with Applications in Automatic Control;
Linear Systems Theory; Optimum and Robust Control;
Stochastic Process Theory and Applications;
System Identification and Adaptive Control;
Modern Sensor and Detection Technology;
Systems engineering principle and applications;

Electronics Science and Technology

Statistical Signal Processing;
Information Theory; Advanced Digital Communications;
Fundamentals of Communication Networks;
Signal detection and estimation theory;
Microwave and Millimeter wave integrated circuits Design
and Technology;

Chemistry

Inorganic Synthesis and Preparative Chemistry;
Advanced Experiment of Organic Chemistry;
Materials Science; Advanced Topics in Organic Chemistry;
X-Ray Crystallography; Coordination Chemistry;
Spectrometric Identification of Organic Compounds;
Nano-science and technology

Information and Communication Engineering

Statistical Signal Processing;
Information Theory; Advanced Digital Communications;
Fundamentals of Communication Networks;
Signal detection and estimation theory;
Microwave and Millimeter wave integrated circuits Design
and Technology;

Software Engineering

Advanced Software Engineering; Software Architecture;
Object-oriented methodologies and technology;
Business Information Management and ERP;
Software Project Management; Software Service Engineering
Advanced Database Technology;
Advanced Computer Networks;

Chemical Engineering and Technology

Advanced Organic Chemistry; Metal-organic Chemistry;
Advanced Experiment of Organic Chemistry;
Modern Electrochemistry; Principles of Catalysis
Spectrometric Identification of Organic Compounds;
Advanced Topics in Organic Chemistry;
Advanced Chemical Technology

Law

Public International Law ; International Economic Law;
Private International Law; WTO Law;
International Intellectual Property Protection ;
Chinese Trademark Law and Unfair Competition ;
Chinese Patent Law; Chinese Copyright Law ;

Environmental Science and Engineering

Principles and Methods of Electro-Chemistry;
Environmental Ecology; Environmental Microbiology;
Introduction to Green Energy Materials;
New Energy and Renewable Resources;
Environmental System Analysis and Monitoring;
Environment System Model;
Air Pollution Control Technology and Equipment

PhD Programs in Chinese & English

Aerospace Engineering
Mechanics
Mechatronical Engineering
Mechanical Engineering
Optoelectronics
Information and Electronics
Automation
Computer Science and Technology
Material Science and Engineering
Chemical Engineering and Environment
Life Science
Mathematics
Physics
Chemistry
Management and Economics
Education

What Scholarship Programs do we have?

- Confucius Institute Scholarship
- Beijing Government Scholarship
- Chinese Government Scholarship (CSC)
- BIT Scholarship
- Sino-US Cultural Special Scholarship
- Central and Eastern Europe Special Scholarship
- CSC Bilateral Program
- CSC EU Program
- CSC PIF Program
- CSC ASEAN Program
- CSC Great Wall Program

Contact : Ms. ZHENG Ye   master_phd@bit.edu.cn

Chinese Government Scholarship

Who pays for your education?
The Chinese government

What does the scholarship cover?
-Registration, tuition, laboratory experiments, internship, and basic textbooks

-Accommodation on or off campus depends on availability

-One-off settlement subsidy: CNY 1,500 (USD 240)

-Outpatient medical service and Comprehensive Medical Insurance and Protection Scheme

-Monthly living allowance: Undergraduate: CNY 1,400 (USD 220)

                        Master: CNY 1,700 (USD 270)

                        PhD Candidates: CNY 2,000(USD 320)

Who can apply?
1. Applicants are non-Chinese citizens and in good health;
2. Applicants are not registered students in Chinese universities at the time of application;
3. Applicants are not applying for language programs.
4. Applicants who have graduated from Chinese universities for more than one year;
5. Applicants for Master programs should be under the age of 35 and hold a bachelor's degree;
6. Applicants for PhD programs should be under the age of 40 and hold a master's degree

How to apply?
Register at http://laihua.csc.edu.cn, BIT's Agency No. is 10007.

Send application materials to BIT (check http://isc.bit.edu for details)

Application deadline: April 15 each year

Chinese Government Scholarship –Great Wall Program

Who pays for your education?

The Chinese government

What does the scholarship cover?

-a waiver of fee for registration, tuition, laboratory experiments, internship, and basic textbooks;

-free on-campus dormitory accommodation;

-monthly living allowance;

-one-off settlement subsidy;

-outpatient medical service and Comprehensive Medical Insurance and Protection Scheme for International Students in China;

-one-off inter-city travel reimbursement

Who can apply?

-Citizens from a developing country other than the People's Republic of China

-Under the age of 45 and have completed at least two years of undergraduate study when applying for general scholar programs

-A master's degree holder or an associate professor (or above) under the age of 50 when applying for senior scholar programs

How to apply ?

Apply to the National Commission for UNESCO in the home countries and register online at www.csc.edu.cn/laihua.

Application deadline: April 15 each year

Chinese Government Scholarship -Bilateral Program

Who pays for your education?
The Chinese government

What does the scholarship cover?
-a waiver of fee for registration, tuition, laboratory experiments, internship, and basic textbooks;

-free on-campus dormitory accommodation;

-monthly living allowance;

-one-off settlement subsidy;

-outpatient medical service and Comprehensive Medical Insurance and Protection Scheme for International Students in China;

-one-off inter-city travel reimbursement

Who can apply?
Citizens from the countries which have educational exchange agreements or MOUs with the Chinese government

A high school graduate under the age of 25 when applying for undergraduate programs

A bachelor's degree holder under the age of 35 when applying for master's programs

A master's degree holder under the age of 40 when applying for doctoral programs

How to apply ?
Apply to the dispatching authorities for overseas study in the home countries

and register online at www.csc.edu.cn/laihua.

Application deadline:April 15 each year

Chinese Government Scholarship –European Union Program

Who pays for your education?
The Chinese government

What does the scholarship cover?
-a waiver of fee for registration, tuition, laboratory experiments, internship, and basic textbooks;

-free on-campus dormitory accommodation;

-monthly living allowance;

-one-off settlement subsidy;

-outpatient medical service and Comprehensive Medical Insurance and Protection Scheme for International Students in China;

-one-off inter-city travel reimbursement

Who can apply?
-Citizens from Austria, Belgium, Bulgaria, Cyprus, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom

-A high school graduate under the age of 25 when applying for undergraduate programs

-A bachelor's degree holder under the age of 35 when applying for master's programs

-A master's degree holder under the age of 40 when applying for doctoral programs

How to apply ?
Apply to the Office for Education and Culture, Mission of P. R. China to the European Union and register online

at www.csc.edu.cn/laihua.

Application deadline: April 15 each year

Chinese Government Scholarship –Pacific Islands Forum Program

Who pays for your education?
The Chinese government

What does the scholarship cover?

-a waiver of fee for registration, tuition, laboratory experiments, internship, and basic textbooks;

-free on-campus dormitory accommodation;

-monthly living allowance;

-one-off settlement subsidy after registration for new students;

-outpatient medical service and Comprehensive Medical Insurance and Protection Scheme for International Students in China;

-one-off inter-city travel reimbursement;

-a one-way air ticket (economy class) to China upon registration, and a one-way air ticket (economy class) back from China

to their home countries after completion of their studies.

Who can apply?

-Citizens from Australia, New Zealand, Fiji, Vanuatu, Samoa, Micronesia, Tonga

-A high school graduate under the age of 25 when applying for undergraduate programs

-A bachelor's degree holder under the age of 35 when applying for master's programs

-A master's degree holder under the age of 40 when applying for doctoral programs

How to apply ?
Apply to the Pacific Islands Forum (PIF) Secretariat and register online at www.csc.edu.cn/laihua.

Application deadline:April 15 each year

Chinese Government Scholarship –ASEAN University Network Program

Who pays for your education?
The Chinese government

What does the scholarship cover?
-a waiver of fee for registration, tuition, laboratory experiments, internship, and basic textbooks;

-free on-campus dormitory accommodation;

-monthly living allowance;

-one-off settlement subsidy;

-outpatient medical service and Comprehensive Medical Insurance and Protection Scheme for International Students in China;

-one-off inter-city travel reimbursement

Who can apply?
-Citizens from Indonesia, Malaysia, Singapore, Thailand, Brunei and Cambodia

-A bachelor's degree holder under the age of 35 when applying for master's programs

-A master's degree holder under the age of 40 when applying for doctoral programs

How to apply ?
Apply to the ASEAN University Network (AUN) Secretariat and register online at www.csc.edu.cn/laihua.

Application deadline: April 15 each year

Beijing Government Scholarship

Who pays for your education?

Beijing Municipal Government

What does the scholarship cover?

Undergraduate:	Tuition	4 years max.
Master :	Tuition	2 years max.
PhD:	Tuition	4 years max.

Who can apply?

Non-Chinese Citizens, with qualified previous academic records.

Those who benefit from other types of scholarship programs are not eligible

to apply for Beijing Municipal Government Scholarship.

How to apply?

Register on the application system at http://apply.isc.bit.edu.cn.

Send application materials (check http:// isc.bit.edu for details) to BIT.

BIT Scholarship

Who pay for your education?

Beijing Institute of Technology

What does the scholarship cover ?

Tuition

Who can apply?

Non-Chinese Citizens, Full-time registered students in partner universities

How to apply?

Register on BIT application system at   http://apply.isc.bit.edu.cn

Send application materials (check http:// isc.bit.edu for details) to BIT.

Central and Eastern Europe

Overview

The special scholarship program lasts from 2013 to 2017, and offers 1000 scholarships for Central and Eastern Europe countries applicants.

Who pays for your education?

The Chinese government

What does the scholarship cover?

Each scholarship awarded will cover costs of tuition of BIT, accommodation on campus,

medical insurance and monthly- living allowance, listed below:

(Note: The full scholarship can be divided into several shorter terms for more than one student)

Special Scholarship Program

Who can apply?

Countries: Albania, Bulgaria, Bosnia and Herzegovina, Croatia, Czech, Estonia, Hungary, Latvia, Lithuania, Macedonia, Montenegro, Poland, Romania, Serbia, Slovakia, Slovenia.

More than 6 months study period

The student's home university must recognize the credits that the students earned in the Chinese universities

Application deadline:

June 15th of each year

(Note: The application deadline may change from year to year,

please check BIT's yearly Admission Book for updated information.)

How to apply?

Register on the application system at http://apply.isc.bit.edu.cn

Sino-US Cultural Special Scholarship

Who pays for your education?

The Chinese government

What does the scholarship cover?

Tuition & Accommodation on campus

Who can apply?

US citizens

More than 3 months study period

The student's home university must recognize the credits that the students earned in the Chinese universities

How to apply ?

Register on the application system at http://apply.isc.bit.edu.cn

Application deadline:April 15 each year

Confucius Institute Scholarship

Who pays for your education?

Confucius Institute Headquarters (Hanban)

What does the scholarship cover?

Tuition & Accommodation on campus

Who can apply?

Chinese Language Studens

How to apply ?

Register on the application system at http://apply.isc.bit.edu.cn

Application deadline: June 15 each year
January 15 each year

Chinese Language Programs

Long-term Chinese Programs

8 levels;
16 weeks each semester and 20 -24 hours per week;
Semesters start in March or September each year;
Focus on improving the communication skills;
Small group study;
Free HSK training;
Various Chinese culture experience;
Field trips: Great Wall, Forbidden City, Summer Palace, ect

Pre-university Programs

Reach the level of degree courses admission through 1
or 2 semester of Chinese learning.
Curriculum: Chinese Language, Science & Engineering
courses in Chinese.
Free HSK training.
The priority to receive Beijing government scholarship.
Enter the degree course without application.

Short-term programs *(Engineering & Culture)*

2~8 weeks offered during summer and
winter vacations (min 10 person).
15~20 teaching hours per week.
Lectures: Chinese Culture & History, Society & Economy,
Policy and New Technology.
Culture experience: Calligraphy, Ink painting, Kung-Fu, etc.
Tours: Forbidden City, Great Wall, Summer Palace, Temple
of Heaven, etc.(1 or 2 times a week)
Language partner for everyone.
Certificate for courses completed.
All the arrangement can be adjusted flexibly.

VIP Programs

Programs avaliable on weekdays and weekends
Excellent and experienced teachers
Small-classes (1 person to 6 person max.)
Levels: primary, intermediate, advanced Chinese
Special programs: Business or Science Chinese class, HSK
Learning materials included
Application: Open all year round

Why *choose BIT*

We are the **B**est engineering university

We are very **I**nternational

We have the **T**op level education

Program fees

Long-term Chinese	Feb.10 Aug.10	8200/ semester	500	300/ 6month	1350/ month
Pre-university program	Feb.10	10000/ semester	500	300/ 6month	1350/ month
short-term Chinese	Anytime	2 weeks 2200 3 weeks 2900 4 weeks 3500 5 weeks 4100 6 weeks 4600 7 weeks 5100 8 weeks 5600	250		60/day
VIP	Anytime	60-200 /hour			

Engineering Study Abroad Prgra

Duration: 1 semester

Programs:

Undergraduate:

Electronic Science and Technology	Electrical Engineering
Computer Science and Technology	Mechanical Engineering

Master:

Aeronautics & Space Science and Technology
Information and Communication Engineering
Chemical Engineering and Technology
Electroncis Science and Technology
Computer Science and Technology
Control Science and Technology
Mechanical Engineering
Software Engineering
Chemistry
MBA
Law

23

ams (undergraduate & Master)

Credits: 11-14 credits

Tuition: CNY8200

Accommodation: CNY45/day/person

Application Fee: CNY500

How to Apply ?

Please log on *http://.apply.isc.bit.edu.cn* to create an account, complete the online application form, and submit all required materials.

The application procedure is as follows:

1 Create an account at *http://apply.isc.bit.edu.cn*

2 Fill in online application form (Upload required documents)

3 Waiting for University response

4 Print out application form and submit hardcopy of all the required materials to the University

Contacts:

Undergraduate Programs: Ms. HAO Mengfan   Tel: +86-10-68918706   +86-13811712016   undergraduate@bit.edu.cn

Graduate Programs: Ms. ZHENG Ye   Tel: +86-10-68918083   +86-13810175529   master_phd@bit.edu.cn

Chinese Language Programs: Ms. ZHENG Hailan   Tel: +86-10-68912847   +86-13681519360   studychinese@bit.edu.cn

If you wish to be self-funded, the tuition for the programs is:

Undergraduate	Graduate	PhD	Language	Short programs
Programs in Chinese: CYN 23,600 /year (≈USD3,900)	Programs in Chinese: CYN 32,600 /year (≈USD5,400)	CYN45,000 /year (≈USD7,400)	Language & Culture: CYN8,500 /semester (≈USD1,400)	USD40-70/day
Programs in English: CYN 30,600 /year (≈USD5,100)	Programs in English: CYN 36,600 /year (≈USD6,000)		Preparatory Course: CYN 10,300 / semester (≈USD1,700)	(Including tuition, accommodation, insurance, field trips to the Forbidden City, Summer Palace, Great Wall, etc.)
	MBA in English: CYN49,600/year (≈USD8,200)			

Mechanical Engineering and Mechanical-Electronic Engineering

Pure Electrical Bus for the Beijing Olympic Games in 2008 and Shanghai World Expo in 2010, in market now

Hydrogen internal-combustion engine in various tests
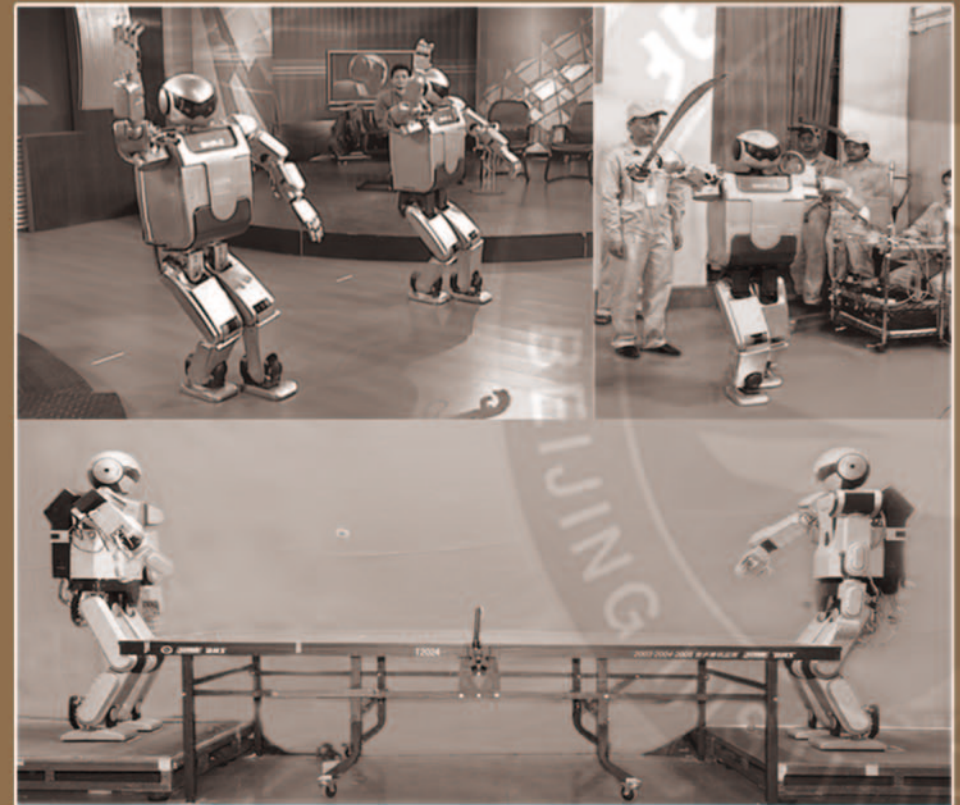
Humanoid robots

Technical Support for Bejing Olympic Games and APEC

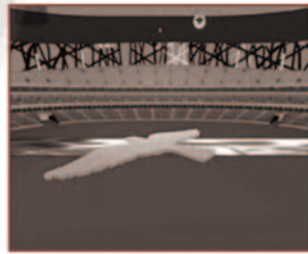Simulation software was utilized for rehearsing the opening and closing ceremonies of the Olympic Games.
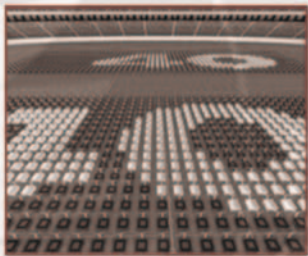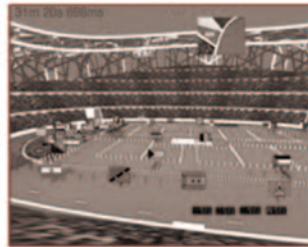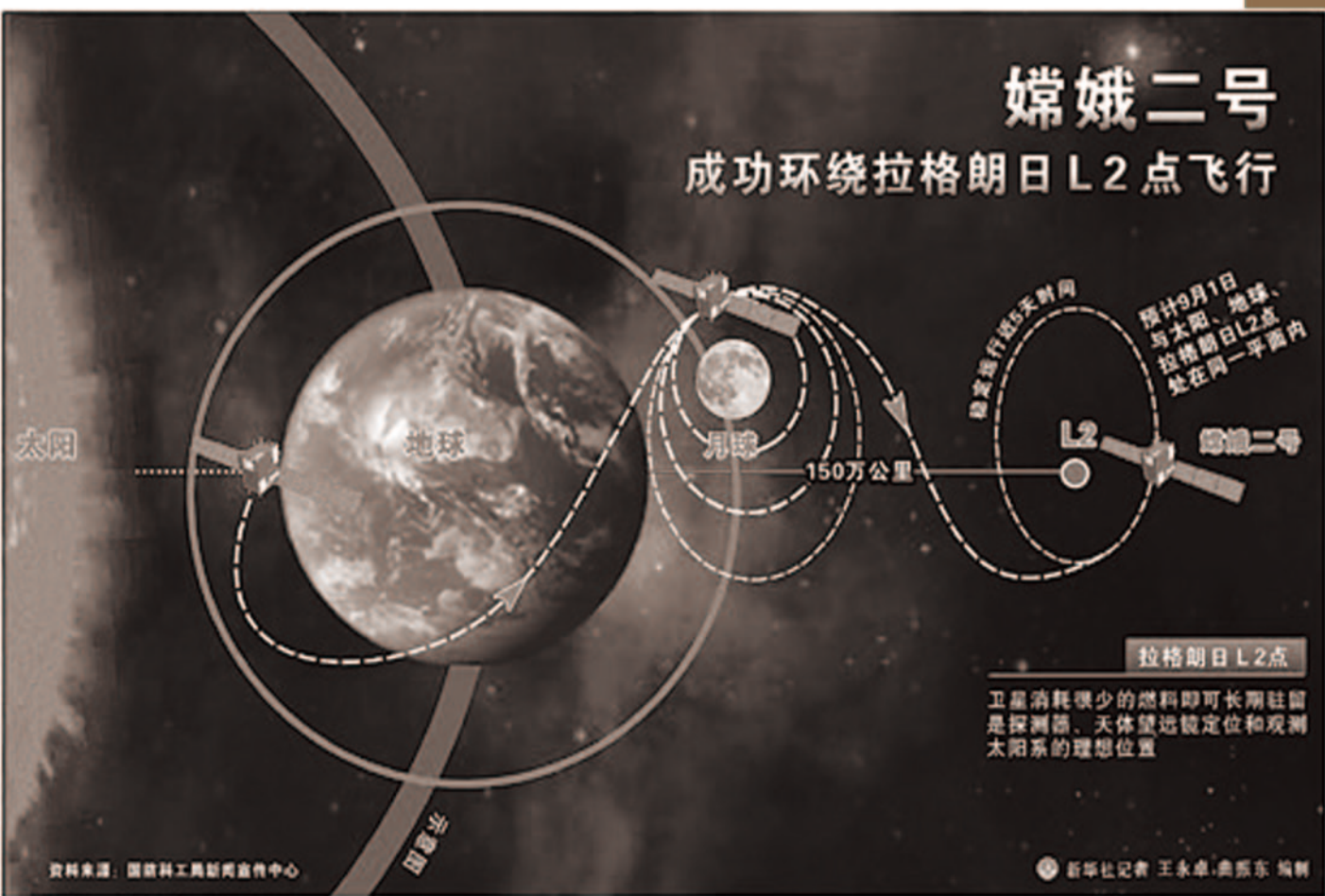

Countdown
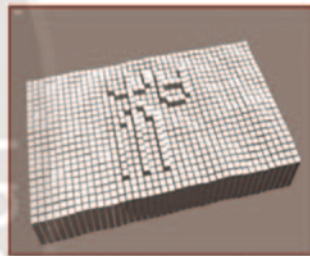
Character

Taiji

Starlight

Dream

Athletes Parade

Environmentally friendly firework invented for the opening ceremonies of both Beijing Olympic Games in 2008, Shanghai World Expo in 2010 and APEC in 2014
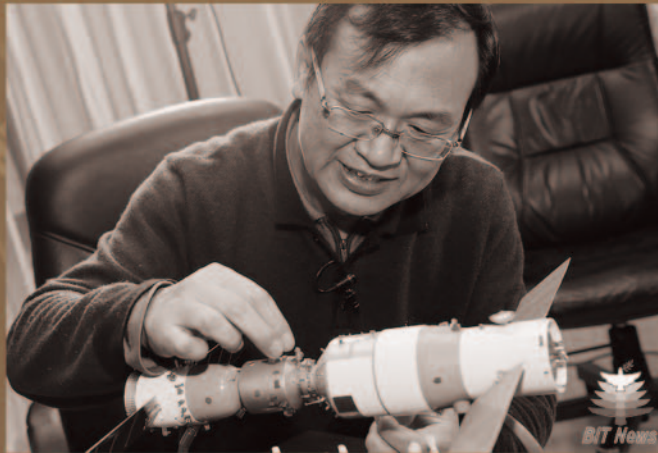
Deep space exploration:
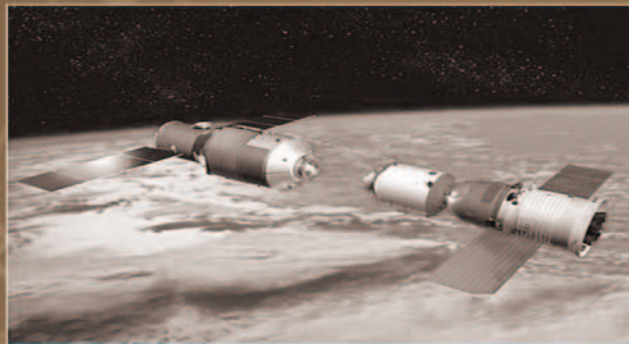
Chang'e II Trajectory for Sun-Earth L2

Lissajous orbit realized.

Trajectory design for Lunar Orbiter Chang'e II

to detect the small planet Toutatis,

which is 7,000,000 km away from the Earth.

New Breakthrough in
Information & Electronics

Professor Wu Siliang,
Winner of the First-prize of
the **2013 State Technological
Invention Award**

Real-time signal processor of microwave radar for Spacecraft Shenzhou VIII unmanned docking with Space Module Tiangong I, as well as for Shenzhou IX spacecraft, the Shenzhou X's manned docking with Tiangong I in the next two years.

Wonderful

campus life