

**International Graduate
Summer School in Aeronautics
and Astronautics, 2012**



北京航空航天大学
BEIHANG UNIVERSITY

Contact us:

Sponsor: Beihang University (BUAA)

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About the Summer Schools

Theme: Advances in Aeronautics and Astronautics

Time: July 10-17, 2012

Sponsor: Beihang University (BUAA)

Address: 37 Xueyuan Road, Haidian District, Beijing
100191, China

Number of participants:

Limited to approximately 150 students

Language: English

School Dean: Prof. ZHANG Guangjun, Vice President of
Beihang University and the Dean of the University's
Graduate School





Objectives:

Aeronautics and astronautics are two comprehensive disciplinary fields, strategically important to economic growth, social progress and the development of many other disciplines. In order to stimulate creative thinking and promote academic exchange between Chinese and foreign graduate students, this summer school will introduce participants to the science and technology frontiers of aeronautics and astronautics.

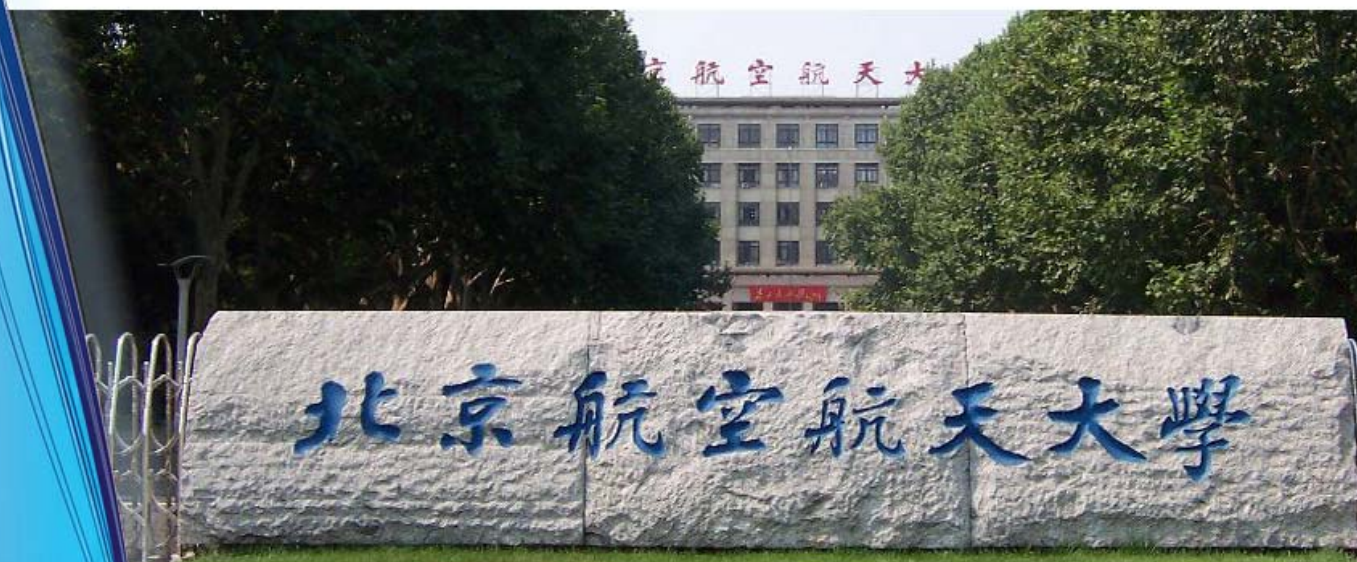
During this one-week program students will be able to attend lectures presented by specially invited distinguished experts and scholars. Four experimental courses, including micro aircraft design, will also be offered. As well as this, a number of relevant laboratories at Beihang University will be open to students for visiting. A good number of both formal and informal academic discussions and seminars are also planned as part of the program. In addition, local tours and entertainment activities in Beijing will be organized for everyone taking part.

About Beihang University:

This year's summer school will be organized by Beihang University, formerly known as Beijing University of Aeronautics and Astronautics (or BUAA), one of China's leading universities. BUAA is situated in the centre of the Zhongguancun Science Park, next to the National Olympic Centre, and covers an area of over 100 hectares.

Since its founding in 1952, of all China's universities Beihang and its alumni have contributed the most to the country's aeronautical and astronautic industries. At present, the university comprises 28 schools/colleges, covering such diverse disciplines as science, technology, liberal arts, law, economy, management, philosophy, foreign languages and education.

BUAA has now a total enrolment of over 23,000 full-time students, including 3,000 doctorate candidates, 7,500 master's candidates and 1,000 international students. BUAA has evolved into an open, comprehensive, research-oriented university with focuses on aeronautics, astronautics and informatics.



2012 is the 60th anniversary of Beihang University (1952-2012). It is a grand festival to us. We warmly welcome friends from all over the world to exchange ideas in Beihang University.

Arrangements:

(1) Lectures

- a) Network and software technology in aeronautics, astronautics and informatics
- b) Future development trends and key technologies in aircraft propulsion
- c) Aerospace engineering in China
- d) Advanced manufacture technology in aerospace
- e) Technology development for composite primary structures on commercial airplanes
- f) Research progress of rocket propulsion technologies at BUAA

The teaching faculty will be:

Prof. HUAI Jinpeng, President of Beihang University,
Member of the Chinese Academy of Sciences

Prof. Mike Benzakein, American academy of engineering

Prof. HUANG Hai, Deputy Dean, School of Astronautics

Prof. QIAO Lihong, School of Mechanical Engineering
and Automation

Prof. XU Jifeng, Aeronautical Science & Technology
Research Institute of COMAC

Prof. LIU Yu, School of Astronautics

(2) Academic Exchanges

Three sessions will take place simultaneously. Each student is required to give an oral report of around 15 minutes.

(3) Experimental courses(elective)

Synthesis experiments in miniature aircraft design

The faculty will consist of the following scholars:

Prof. HUANG Jun, School of Aeronautics Science and Engineering

Dr. FENG Qingyu, School of Aeronautics Science and Engineering

Dr. SHAO Jie, School of Aeronautics Science and Engineering

(4) Technical Tours

a) State lab for the calculation of fluid mechanics

b) New navigation systems for national flight control technology lab

c) Labs for space structure/agencies and dynamics

d) Aeronautical engine pneumatic power lab

e) State Key Laboratory of Virtual Reality Technology and Systems (VRLab)

f) Aviation Museum

g) Astronaut training center



Application Requirements:

(1) Please apply online first, and then fill in the attached form and submit it to the mailbox of the organizing committee: igss@buaa.edu.cn. The subject field of the email should read as follows: “(Your name), BUAA Summer School Applicant”. The form can also be downloaded from the official website of the Summer School: <http://igss.buaa.edu.cn>.

(2) A recommendation letter is optional but welcome.

Eligibility and Funding:

(1) Applications are invited from all countries.

(2) The prospective participants should be graduate students who are studying in the fields of aircraft design, aircraft propulsion, spacecraft and aircraft manufacture, avionics, aerospace materials and other relevant subjects.

(3) Applicants who meet the following criteria will be given priority:

- a) Students who have experience in undertaking scientific research. Please note that every student is required to present an oral report of around 15 minutes duration. The PPT file of the report should be submitted to the school on the registration day (July 10th).
- b) All applicants must demonstrate good English.

Beihang University will cover the travel expenses of successful applicants up to a maximum of 10,000 yuan RMB per overseas student. Tuition costs, accommodation, meals and arranged local tours will also be covered by the university. Every student must, however, cover any travel costs which exceed the 10,000 yuan travel grant as detailed above as well as various incidental expenses.

Certificate:

Successful participants will be presented with certificates indicating their contribution to the School.



Instructions:

Please read the following directions carefully. Failure to follow the guidelines below may result in the withdrawal of your application from the selection procedure.

- (1) Type only (no handwriting) and provide all requested information in English.
- (2) All sections of the application must be completed and all attachments must be included with this form. The letter of recommendation (optional) can be faxed to the organizing committee of the Summer School.
- (3) Fax instruction: The fax machine will receive your materials automatically, please make sure that you wait at least 35s when you have dialled the number of our fax machine.
- (4) Your application and all attachments must be received by the organizing committee of the Summer School no later than **April 10, 2012**. Late applications will not be considered.
- (5) The organizing committee will notify applicants concerning the selection results no later than two weeks after the deadline. The final decision is not open to appeal.

If you have any questions please do not hesitate to contact us.

Attachments:

Application Form

INTERNATIONAL GRADUATE SUMMER SCHOOL IN AERONAUTICS & ASTRONAUTICS,
2012 APPLICATION FORM

This application can be photocopied

PERSONAL DATA

Family or last name:

First name:

Middle Initial _____

SEX: Male Female

Preferred Mailing Address:

Country

City

Street

No.

Zip Code

Telephone:

country code

area code

phone number

Fax: _____

country code

area code

fax number

E-mail: _____

Health condition: _____

Have you ever applied for a summer school:

Yes

No

Permanent Address:

Citizenship: _____

Place of Birth: _____

Country

Date of Birth: _____

City

Month/Day/Year

Passport Number:

EDUCATIONAL BACKGROUND

List all post-secondary education beginning with the institution most recently attended.

1. University _____ Dates attended _____

Subject/Major

Fields _____

Diploma and Degree received (with date)

2. University _____ Dates attended _____

Subject/Major

Fields _____

Diploma and Degree received (with date)

RESEARCH EXPERIENCE

Your research field and topic:

List the academic papers which have been published, if any:

1. _____

2. _____

3. _____

Are you a member of a professional association in your field? If yes, please provide details below.

Language skills (English)

Signature

Attachments

In addition to this completed form, your application must include the following:

- A detailed CV.
- A short summary (no more than 250 words) of your most significant work.