

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

Contact us

Sponsor: Beihang University (BUAA)

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

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About the Summer School

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 country graduate students, this summer school aims to introduce to participants 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. 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 scheduled 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, Beihang and her 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 3,800 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.

2102 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 visit Beihang University.

Arrangements

(1) Lectures Initially Invited

- 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) Technology development for composite primary structures on commercial airplanes
- e) Research progress of rocket propulsion technologies at BUAA

Part of Presenters

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

Prof. LIU Yu, School of Astronautics

(2) Academic Exchanges

Three sessions will be organized in parallel. Each student is required to give an oral report of around 15 minutes.

(3) Experimental Course (Elective)

- a) Synthesis experiments in miniature aircraft design
- b) Experiments in spacecraft design technology

The faculty involves:

Prof. HUANG Jun, School of Aeronautics Science and Engineering

Prof. WAN Zhiqiang, School of Aeronautics Science and Engineering

Prof. WANG Weijun, School of Aeronautics Science and Engineering

Prof. HUANG Hai, School of Astronautics

Prof. ZHAO Guowei, School of Astronautics

Prof. CHEN Kunyan, School of Astronautics

(4) Technical Tours

- a) National Key Laboratory of CNS/ATM
- b) National Key Laboratory on Aero-Engines
- c) State Key Laboratory of Virtual Reality Technology and Systems
- d) National Key Laboratory of Inertial Technology
- e) Key Laboratory of Fluid Mechanics, Ministry of Education
- f) Key Laboratory of Spacecraft Design Optimization and Dynamic Simulation, Ministry of Education
- g) Key Laboratory of Cooperative Vehicle Infrastructure and Safety Control, Beijing Municipality
- h) Laboratory of Robotics Institute

- i) Aviation Museum
- j) 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 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 should communicate well in English.

Beihang University will cover the international 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 during the period of the summer school will also be covered by the university. The international travel expenses refer only to the items for arriving at Beijing from his/her university directly.

Certificate

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

Instructions

Please read the following points carefully when submitting application forms.

- (1) Type only (no handwriting) and provide all requested information in English.
- (2) All sections of the application form must be completed and all attachments must be included with this form. The letter of recommendation (optional) can be faxed or emailed to the organizing committee of the Summer School.
- (3) The fax machine will receive automatically, please wait at least 35s when you have dialed the number of our fax machine.
- (4) Your application form 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 will not be open to appeal.

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

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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

fax number

Fax: _____

country code

area code

fax number

E-mail: _____

Health condition: _____

Have you ever applied for IGSS in 2011: Yes No

Permanent Address:

Citizenship: _____

Place of Birth: _____ Date of Birth: _____

Country

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.