



The International Collegiate Design and Innovation Competition

Beijing, 2017

Program Guide

Brief Introduction to the Competition

Welcome to the International Collegiate Design and Innovation Competition (ICDIC) 2017, a global student competition that gives college students the opportunity to develop their innovative ideas and design. This year's competition will be held from 11th to 16th September, 2017. In the competition, competitors will be required to come up with innovative ideas concerning the cutting edge topic and present their work to the committee during the competition. Since 2013, the program has seen how these ideas from the participants contributed to their future academic development. We're looking forward to hearing your ideas in this year's competition.



Participant Requirements

The ICDIC is open for undergraduate students who are currently enrolled and have completed at least two years of undergraduate study at their home university and be capable of speaking and writing in English frequently.

Competition Arrangements

1. **Competition Topics.** This year three topics are provided for each participating team to choose:
 - a. Flying Machine Construction or Design of its Power Plant in the Future
 - b. Medical Data Analysis System for Monitoring Health Conditions and Prevention



of Disease

- c. Applications of Virtual Reality (VR) and Augmented Reality (AR) in Industry or Business

2. Form Groups. Each institution from Hong Kong, Macao and foreign countries is required to select a team of 3 undergraduate students as a group for the competition. Under the same topic each team chooses, one team from Hong Kong and Macao, one team from foreign countries and one team of three students from Beihang University will form a group of 9 students to compete in the program. The information of competitors and groups will be released on the competition website after the application deadline. Ten teams from Hongkong and Macao universities and ten teams from foreign universities will receive the offer to this year's competition.

3. Submit Reports. Each team is required to submit their first-phase and mid-term reports by two deadlines. (The deadline for submitting the first-phase report is July 24th; the deadline for submitting the mid-term report is August 24th.) The first report should be composed of team name, team leader, work distribution, title and blueprint of the paper etc. The second report is supposed to include the abstract of the paper, research plan, feasibility analysis and expected results etc.

4. Submission of Work. The committee will announce the specific requirements of papers for competition on August 26th. During the competition from September 11 to 16, each group is expected to come up with a reasonable solution to the selected topic. The final paper must be submitted through the official website of ICDIC according to the instructions of the committee during the competition.

5. Evaluation and Awards. During the competition, each team should present their work with PowerPoint and answer questions to defend their work. Ten teams will be ranked by their performances in three levels of awards in the form of scholarship. **Award Distribution:** Award for the First Prize (one team) is 10000 RMB, the Second Prize (three teams) 5000 RMB for each team, and the Third Prize (six teams) is 3000 RMB for each team.

6. Financial Arrangement. Expenses for food, lodging and the cultural tours for competitors during the competition will be covered by Beihang University. Competitors will accommodate at Beihang University Training Center, a four-star on campus hotel. Competitors need to afford travel expenses to and from Beijing on their own.



Draft Schedule of the International Collegiate Design and Innovation Competition (Beijing 2017)

Preparation Work before the Competition				
Dates	Time	Activities		
June 23	24:00	Application Deadline for Overseas Participants		
July 1	24:00	Application Deadline for Beihang competitors		
July 10	---	Announcement of the Group Information on the Official Website		
July 24	12:00	Deadline for First-Phase Reports		
August 24	12:00	Deadline for Mid-Term Reports		
August 26	---	Release of Specific Requirements for Final Papers on the Official Website		
Competition Schedule				
Date	Time	Activities	Venue	Tips
Sept 10	00:00-24:00	Airport Pick-Up and Registration	Beijing International Airport - Beihang University Training Center	1. Staff members of the organizing committee will assist Beihang competitors to pick up overseas competitors; 2. Program materials will be given to competitors during check-in, including competition manuals, ICDIC T-shirts and meal cards.
Sept 11	09:00-12:00	Opening Ceremony	North Zhixing Building, Chenxing Theater	Please wear <u>ICDIC T-shirts</u> .



	12:00-14:00	Lunch	Heyi Building	
	14:00-21:00	Group Discussion and Preparation for the Final Papers and Presentation	Beihang New Main Building	The organizing committee will allocate a room for each group for group discussion.
Sept 12	8:00-21:00	Group Discussion and Preparation for the Final Papers and Presentation	Beihang New Main Building	See above.
Sept 13	12:00	Deadline for Submitting Final Papers	---	The PDF version of final papers should be uploaded to the official website of ICDIC.
	20:00	Deadline for Submitting Defense Slides	---	Defense slides should be submitted to the official website.
Sept 14	8:00-12:00	Presentation and Oral Defense	Beihang New Main Building	
	14:00-18:00	Workshop with Winners of “Beihang Fengru Cup” Competition	Beihang New Main Building	
Sept 15	8:00-18:00	Cultural Tour	Beijing	
Sept 16	8:00-12:00	Cultural Tour	Beijing	
	15:00-18:00	Closing Ceremony	North Zhixing Building, Chenxing Theater	
Sept 17	09:00-12:00	Check-Out	Beihang University Training Center	Beihang competitors will send participants to the airport.



Application Documents

Participants need to send their scanned application forms, recommendation letters (from associate professor or above) and study certificates (or scanned copy of student ID card) to the mailbox of ICDIC: icdic2017@outlook.com **by the deadline of June 23rd, 2017**. The study certificate can be a scanned paper certification from universities or a scanned copy of student ID cards. After receiving the registration e-mail, the organizing committee will respond to confirm the acceptance of the application.

On July 10th, 2017, the committee will announce the list of participants and group information, as well as the topics of each group.

Participants can contact the committee through the e-mail address provided below.

E-mail: icdic2017@outlook.com

Competition Website: www.icdic.org

Contact:

Mr. Guo Ning

Cellphone number: +86 188 1140 9671

Office number: +86-10-82339610

Email: icdic2017@outlook.com

Address:

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A Brief Introduction to Beihang University



Beihang University (BUAA) was founded in 1952 with the merger of the aerospace departments from eight top Chinese universities. Today it is one of the nation's foremost research universities supported by China's Project 211, Project 985 and Project 2011.

Beihang has an enrollment of more than 30,642 students, attending 29 schools in three campuses in Beijing and many going on exchange in partner universities across Europe, Asia, the Americas and Oceania. Among the first Chinese universities to offer postgraduate programs in English for international students, Beihang annually attracts over 2,000 foreign students from 104 countries.

As a powerhouse of research and innovation, Beihang has earned over 1,260 awards for achievements at national or ministerial level, including 4 First Prizes of National Science & Technology Progress Awards and 7 First Prizes of National Technological Invention Awards. Beihang also has strong links with the industrial sector, which contributes to more than 50 percent of the University's research projects.

Beihang has also grown to be a university of global outreach, with a recently inaugurated Europe Office in Brussels and visibility in several global consortia, including Top Industrial Managers for Europe (T.I.M.E). The University maintains partnerships with 185 universities, research institutions and companies in over 30 countries. Beihang is also home to the U.N. Regional Center for Space Science and Technology Education in Asia and the Pacific (China) established in November 2014.