China Academic Degrees and Graduate Education Development Center (CDGDC)  
Children & Youth Science Center of China Association for Science and Technology (CYSCC)  

Academic Degrees Center [2015] No. 30  

Notice on Holding 2015 “National Graduate Innovative Practice Activities”  

All graduate cultivation units:  

In order to actively serve the reform and development of academic degrees and graduate education and impulse the reform of graduate education mode, with the approval of the Ministry of Education, China Academic Degrees and Graduate Education Development Center (CDGDC) has launched the “National Graduate Innovative Practice Activities” for all at-school graduates since 2013. For the past two years, “National Graduate Innovative Practice Activities” has gained significant achievements, positively promoting the improvement of graduate education quality and graduates’ capability of innovative practice.  

In 2015, CDGDC will launch the “National Graduate Innovative Practice Activities” together with the Children & Youth Science Center of China Association for Science and Technology (CYSCC). Follows are the activities related information:  

I Background and Purpose  

“National Graduate Innovative Practice Activities”, taking the opportunity of graduate education system reform, with the sector-demand oriented concept and the purpose of improving the capability of graduates’ innovative practice and the quality of graduate education, aims at comprehensively facilitating the development and capability of service support of graduate education and building a school-enterprise cooperative innovation platform.  

These activities will be held annually with different themes and competition systems. The themes of these independent competitions will be set in accordance with subjects, majors or the development trends of different sectors and the demands for talents of the economic society. By holding these competitions, the bridge of close cooperation between graduate education units, enterprises, sectors and the government will be built; the platform for encouraging graduates’ innovative practice and promoting the collaborative innovation of government, industry, universities and research will be established. We will attempt to explore an all-win road for propelling graduate education innovation and development of the regional economy and industry in graduate education service zone.  

II Competitions in 2015  

Competitions to be held in 2015 are as follows:  
1. The 2nd National Graduate competition on Smart-City Technology and Creative Design  
2. The 1st China Graduate competition on Application, Design and Innovation of
Mobile-Terminal

3. The 1st China Graduate Future Flight Vehicle Innovation competition
4. The 12th National Postgraduate Mathematic competition in Modeling
5. The 10th China Graduate Electronics Design competition
6. The 5th China Petroleum Engineering Design Competition

Brief introductions of above competitions see the attachment.

III About the Participants

Participants mainly should be Chinese graduate students or senior undergraduates qualified to be graduate students. For some competitions, graduates from Hong Kong, Macao, Taiwan and foreign countries also can participate. The basic participating units shall be each graduate cultivation unit.

IV Other Related Matters

1. The schedule, guideline and other related information of each competition shall be issued by its Secretariat of Organizing Committee. Please pay attention to NGIPA website, the official website of the National Graduate Innovative Practice Activities (http://zyxc.chinadegrees.cn/) and the official website of each competition.

2. Please appoint a university-level graduate management cadre to be responsible for the organizing and coordinating work as well as participants’ qualification examination of “National Graduate Innovative Practice Activities” for your graduate cultivation unit. After March 15th of 2015, the responsible person can register the administrator account of your unit by the “login/register” function of the NGIPA website. When registering, please input the unique invitation code of your unit: x x x, in accordance with the tips of the website. This administrator account will be used for receiving related notices and other information about competitions.

3. Contacts of CDGDC: Lan Xiaoyuan, Zhou Bin, Qie Xingli
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Attachment: Brief Introductions of the Competitions of 2015 “National Graduate Innovative Practice Activities”

China Academic Degrees and Graduate Education Development Center
(Sealed by China Academic Degrees and Graduate Education Development Center)

Children & Youth Science Center of China Association for Science and Technology
(Sealed by Children & Youth Science Center of China Association for Science and Technology)

February 9th, 2015

Cc: all provinces, directly-controlled municipalities and autonomous regions (Academic Degrees Committee Office)
Attachment:

Brief Introductions of the Competitions of 2015 “National Graduate Innovative Practice Activities”

In 2015, “National Graduate Innovative Practice Activities” totally includes six competitions with six different themes. Their brief introductions are as follows:

I National Graduate competition on Smart-City Technology and Creative Design

1. Background

“National Graduate competition on Smart-City Technology and Creative Design” has been held annually since 2014 and for the first time it was held in Beihang University (BUAA).

Applying intellectual technology, innovating new urban development pattern, improving urban development quality and building “smart city” have become an important strategy for our urban development. In accordance with the special demand of “smart city” construction, together with “smart city” related industrial alliances, “Smart-City Technology and Creative Design competition”, centering on the technological innovation of “smart city”, aims at intellectually supporting the construction of “smart city” by stimulating graduates' passion for innovation and ability of imagination and creation, and promoting the cultivation of innovative talents in the smart-city related fields and the spread and popularization of the “smart city” concept.

2. Organization Units

2.1 Hosts

The competition is hosted by China Academic Degrees and Graduate Education Development Center (CDGDC) and Children & Youth Science Center of China Association for Science and Technology (CYSCC), and co-hosted by National Educational Guidance Committee for the Graduate of Engineering, China Strategic Alliance of Smart City Industrial Technology Innovation and China Strategic Alliance of Audio Video Coding Standard (AVS) Industrial Technology Innovation.

2.2 Secretariat of Organizing Committee

The Secretariat of Organizing Committee is held by the Graduate School of Beihang University.

Contacts: Bao Yuman
Tel: 0086-010-82338852

2.3 Official Website

www.smartcity-competition.com.cn

3. Related Information of the competition of 2015

Organizer: Wuhan University
Registration Time: March 12th -- June 18th, 2015
Time for Work Submission: March 12th -- June 18th, 2015
Contacts: Chu Rui
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Email: zhbcsh@whu.edu.cn

II China Graduate competition on Application, Design and Innovation of Mobile-Terminal

1. Background
“China Graduate competition on Application, Design and Innovation of Mobile-Terminal” will be held for the first time in Beijing University of Posts and Telecommunications in 2015 and the competition will be held annually in China.

With the continuous improvement on modern science and technology, people’s lifestyle is greatly influenced by the mobile internet. The constant construction and perfection of the fourth-generation mobile web has boosted the industry scale expansion of mobile internet. The development of mobile internet has stepped into the age of national internet. “China Graduate competition on Application, Design and Innovation of Mobile-Terminal” aims at meeting the demand on high-level and elite-type talents of mobile internet, lifting the capacity for actively serving the development of national economic society of graduates and promoting the education of innovative talents in mobile internet.

2. Organization Units

2.1 Hosts

The competition is hosted by China Academic Degrees and Graduate Education Development Center (CDGDC) and Children & Youth Science Center of China Association for Science and Technology (CYSCC), co-hosted by National Educational Guidance Committee for the Graduate of Engineering, and co-organized by China Institute of Communications, Industrial Alliance of Mobile Intelligence Terminal Innovation and China Mobile Internet Industrial Alliance.

2.2 Secretariat of Organizing Committee

The Secretariat of Organizing Committee is held by the Graduate School of Beijing University of Posts and Telecommunications.

Contacts: Li Bo
Tel: 0086-010-62283527
Email: libo@bupt.edu.cn

2.3 Official Website

www.mtdasai.com.cn

3. Related Information of the competition of 2015

Organizer: Beijing University of Posts and Telecommunications
Registration Time: January 19th --June 6th, 2015
Time for Work Submission: January 19th --June 6th, 2015

III China Graduate Future Flight Vehicle Innovation competition

1. Background

“China Graduate Future Flight Vehicle Innovation competition” will be held for the first time in 2015 and it will be held annually.

The research and development of flight vehicle is a systematic engineering process, which includes many research fields such as machinery, communication, electron, control and materials. Its application covers various fields of people’s livelihood, for instance, industry, agriculture, communication, environmental planning and transportation. With the rapid development of flight vehicle technology both in China and abroad, it requires to improve the quality of innovative talents and education for talents. The key to maintain the sustainable development of future aerospace technology is the talents with strong creative ability, hands-on skill and innovative thinking. Focusing on the theme of flight vehicle technology and innovation, holding “Future Flight Vehicle Innovation Competition” is really beneficial to graduates. It can not only improve
their capabilities of astronautic innovative research, combining theory and practice and solving engineering practical problems, upgrade graduate education quality comprehensively and impulse the cultivation of innovative talents in aeronautics and astronautics but also contribute to the popularization of aeronautic and astronautic knowledge and stimulate the passion of innovation. Finally, it can accelerate the development and progress of flight vehicle technology in China.

2. Organization Units

2.1 Hosts

The Competition is host by China Academic Degrees and Graduate Education Development Center (CDGDC), Children & Youth Science Center of China Association for Science and Technology (CYSCC), International Astronautic Federation (IAF) and Chinese Society of Astronautics (CSA) and Chinese Society of Aeronautics and Astronautics (CSAA) and co-hosted by EU QB50 CubeSats Lower Thermosphere Sounding Consortium Board Committee and Chinese Radio Amateurs Club (CRAC).

2.2 Secretariat of Organizing Committee

The Secretariat of Organizing Committee is held by the Graduate School of Northwestern Polytechnical University.

Contacts: Yu Xiaozhou
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Email: yuxiaozhou@nwpu.edu.cn

2.3 Official Website

www.ffvc.org

3. Related Information of the Competition in 2015

Organizer: Northwestern Polytechnical University
Registration Time: March 20th --July 31st, 2015
Time for Work Submission: March 20th --July 31st, 2015

IV National Postgraduate Mathematic competition in Modeling

1. Background

“National Postgraduate Mathematic competition in Modeling” is formerly named as “Najing and Its Surrounding Area Graduate competition on Mathematic Modeling” hosted by Southeast University, Nanjing University and University of Science and Technology of China and other nine Universities from Jiangsu province and Anhui province in 2003. The competition has a brand new name in 2004 and the previous 11 competitions were all successfully held. It is held annually and was brought into “National Graduate Innovative Practice Activities” in 2013.

With the arrival of information age and the leap-style development of science and technology, the demand of quantitative analysis is progressively increased. Mathematics not only becomes more and more important in the fields of engineering technology and natural science, but also unprecedentedly expands its wideness and depth in economy, finance, biology, environment, geology, transportation and other fields. These all make it become an crucial part of new and high technology. Mathematic modeling is a bridge between mathematics and other fields, so the capability of solving problems with mathematical methods will be an indispensable quality. “National Postgraduate Mathematic competition in Modeling” aims at fostering graduates’ capabilities of scientific research, innovation and practice as well as their team work spirit, and accelerating graduate academic exchange and collaboration so as to further promote the collaboration between industry, academy and research and improve the quality of graduate
2. Organization Units

2.1 Host
The competition is hosted by China Academic Degrees and Graduate Education Development Center (CDGDC).

2.2 Secretariat of Organizing Committee
The Secretariat of Organizing Committee is held by the Graduate School of Southeast University.

Contacts: Xi Shexin
Tel: 0086-025-83795939
Email: shexinxi@seu.edu.cn

2.3 Official Website
www.gmcm.seu.edu.cn

3. Related Information of the 12th competition
Organizer: Beijing Jiaotong University
Registration Time: June 1st – September 11th, 2015
Deadline for Work Submission: September 22nd, 2015

V China Graduate Electronics Design competition

1. Background
The first “China Graduate Electronics Design competition” was hosted by Tsinghua University and Chinese Institute of Electronics in 1996 and before 2014, it was held every two years and the previous 9 competitions were all held successfully. From 2015 on, the competition will be held annually. The competition was brought into “National Graduate Innovative Practice Activities” in 2014.

In 1990s, EDA, the electronic design automation technology, had developed rapidly internationally while in China it was still at a start-up stage. Based on the deep thinking of the development of electronic design industry of China and on the sincerely hope of EDA talent cultivation, “China Graduate Electronics Design competition” came into being in 1996. By means of competition, the competition aims at providing a practice and innovation platform for electronic design talent cultivation especially for graduate innovative talent cultivation so as to provide a solid talent foundation for the rapid development of electronic design industry in China.

2. Organization Units

2.1 Hosts
The competition is hosted by China Academic Degrees and Graduate Education Development Center (CDGDC), National Educational Guidance Committee for the Graduate of Engineering and Chinese Institute of Electronics.

2.2 Secretariat of Organizing Committee
The Secretariat of Organizing Committee is held by Chinese Institute of Electronics.

Contacts: Li Yang, He Wendan
Tel: 0086-010-68273817
Email: cieliyang@163.com

2.3 Official Website
www.gedc.net.cn

3. Related Information of the 10th competition
VI China Petroleum Engineering Design Competition

1. Background

“China Petroleum Engineering Design Competition” is held annually and the first Competition was hosted by China University of Petroleum (Beijing) in 2011. It has been successfully held for four times. In 2013, the Competition was brought into “National Graduate Innovative Practice Activities”.

Implementing “Excellence Engineers Education Program” is a fundamental form of thoroughly applying and implementing *Outline of National Medium- and Long-Term Plan for Education Reform and Development (2010-2020)* and *Outline of National Medium- and Long-Term Plan for Talent Development (2010-2020)*, an essential content of Chinese higher education reform and an important measure for China to transfer from an great nation to a powerful nation in engineering education. The inherent talent cultivation mode, to some extent, blocks the cultivation of talents of comprehensive quality and the technology progress under the circumstance of energy crisis. Therefore, with the new and complex situation, colleges and universities of petroleum all start to explore new methods and establish an omni-directional platform for talent cultivation. Under this circumstance, “China Petroleum Engineering Design Competition” came into being in 2011. The Competition, adhering to the concept of “Study for Applying in Competition, Compete for Research Promotion”, has beneficially explored the mode of education.

2. Organization Units

2.1 Hosts

The Competition is hosted by China Academic Degrees and Graduate Education Development Center (CDGDC), Chinese National Committee for World Petroleum Council, Chinese Petroleum Society and Chinese Petroleum Education Society.

2.2 Secretariat of Organizing Committee

The secretariat of Organizing Committee is held by China University of Petroleum (Beijing).

Contacts: Wang Yuhang, Xiao Kun
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2.3 Official Website

[www.npedc.cn](http://www.npedc.cn)

3. Related Information of the 5th Competition

Organizer: China University of Petroleum (Beijing)
Registration Time: March 6th – March 16th, 2015
Time for Work Submission: April 17th – April 20th, 2015