Story
about the Centre
2018 中心故事
Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (affiliated to the United Nations) [RCOSTCAP for short] was established on November 17, 2014. The Centre is located on the main campus of Beihang University, Beijing, China. The Centre, as an education and training entity supported by the Committee on the Peaceful Uses of Outer Space (COPUOS), was established with the missions to promote the peaceful use of space technologies for the benefit of humanity and to sensitize the countries within the region about space science and technology activities by educating and creating awareness through training, workshops, short courses and outreach. It seeks to contribute to the implementation of “Programme on Space Applications” promoted by COPUOS and to the enhancement of the education and training level as well as application capacity of space science and technology in the Member States of the Centre through capacity building, information communication, training programmes and professional visits.

For the purpose of facilitating the UN Space Applications Programme and demands of the Asia-Pacific countries regarding space science and technology education, the Centre offers degree and non-degree programmes with academic exchanges and consultation carrying out in the field of space technology applications.

The main education and training fields of the Centre include Remote Sensing and Geographic Information Systems (RS&GIS), Satellite Communication, Global Navigation Satellite Systems (GNSS), Micro-satellite Technology, Space Law and Policy, etc.

The Centre has established extensive cooperation with space industries. A variety of internships and hands-on opportunities are provided to the participants. The Centre has internationally qualified academic and administrative staff with excellent facilities for education, accommodation and recreation.

Presently, the Centre has ten (10) Member States including Algeria, Argentina, Bangladesh, Bolivia, Brazil, China, Indonesia, Pakistan, Peru and Venezuela.
Governing Board

The Centre is an education and training entity supported by the United Nations Office for Outer Space Affairs (UNOOSA). Based on the multidisciplinary advantages and international academic experience of Beihang University, the Centre aims at building a open, innovative and international institution of Space Science and Technology Education with integrating and maximizing advanced educational resources at home and abroad. It seeks to promote the peaceful use of space technologies for the benefit of humankind.

About RCSSTEAP

Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (Affiliated to the United Nations)

关于我们的

联合国外空科学技术教育亚太区域中心（中国）

10个成员国：

Algeria  Argentina  Bangladesh  Bolivia  Brazil  China  Indonesia  Pakistan  Peru  Venezuela

2013.2  Application  Making a proposal in the 50th session of Scientific and Technical Subcommittee of UN COPOLCO

2013.9  Pasing Evaluation Mission by UNOOSA Expert Group (Experts from Greece, India, Iran, Japan, Mexico)

2014.6  Attending the Director Meeting of UN-InRegional Centres as an observer

2014.9  Organizing International Space Education Forum at the 60th International Astronautical Congress (IAC), Toronto

2014.10  Signing agreements with contracting parties

*Note: The preparation can be traced back to 2000.*
Mr. Sergio Camacho, Ms. Mazlan Othman and Ms. Simonetta Di Pippo once visited Beihang University during their time in office and all spoke highly of Beihang University. A cooperative agreement was signed with the United Nations which stated that the United Nations would cooperate with the Centre by providing expert advice, educational curricula, technical support, necessary documentation and other appropriate support.
Professors/Experts

Mr. Madian Dighias, Former Director of UNOOSA
Mr.弊端Garnaco, Former Director of UNOOSA
Mr. Nadin Forman, Director UNOOSA
Mr. Brough Baner, UNOOSA Beijing Office
Mr. Christoph Mathieu, ENAC, France
Ms. Debbyraeis, Professor, U.S.A
Mr. Masterman UI de Haog, Civil University, U.S.A
Mr. Stephen, Hobe University of Onden, Germany

合作伙伴

The Centre, sticking to the spirit of "Cooperation, Innovation, and Indispensability", is continuously expanding cooperation with innovative development.
Professors/Experts

部分师资

Mr. Yang Yuan
Academics of Chinese Academy of Sciences

Mr. His-Chukhao
Shijiazhuang Disaster Prevention Centre

Mr. Jing Qiu
Dean, Director of APSAC

Mr. Wang Jiren
China Ressources Information Co., Ltd.

Mr. Zhuang Fengyuan
Beihang University

Mr. He Lishuai
Beihang University

Mr. Yang Dongkai
Beihang University

Mr. Wei Jingrong
Beihang University

Mr. Yi Fane
Beihang University

Mr. Jin Tian
Beihang University

Ms. Li Jiao
National Disaster Prevention Center

Mr. Zhao Yun
Peking University

Educational Facilities

As a host institution of the APSAC Education Training Centre (China), Beidou International Exchange and Training Centre and ROC/STEAP, Beihang University has forging very close cooperative relationship with the partners (relevant universities, research institutions and enterprises) at home and abroad.

Thirty schools of Beihang University will provide the Centre with plenty of teaching and internship resources for space science and technology education. In the past ten years, a great many laboratories were located such as the Ground Station for Remote Sensing Satellite Data Receiving, RIS/GIS Laboratory, Beidou Satellite Navigation System Exhibition Hall, MicroSatellite Technology Laboratory and Distance Education/Video Conference Laboratory.
Living Facilities

The Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (affiliated to the United Nations) is located on the main campus of Beihang University. The campus is picturesque and tranquil, with a large area of over 1,500,000 square meters. The Lotus Pond, the South Lake, and the Cherry Blossom Garden are its highlights. The campus is replete with sports facilities, such as a gymnasium and a stadium.

Graduation Ceremonies

毕业典礼

MASTA 2012

MASTA 2013

DOCSTA 2013

MASTA 2014

DOCSTA 2013 MASTA 2015
Professional / Technical Visits

Short Training Programmes

Short training programmes are jointly organized by the Centre, UN-SPIDER, APSCO on the principle of resource sharing, efficiency promotion and win-win cooperation.
Graduation Ceremony

UN-COPUOS Sessions

In order to closely track and comprehend the development of space technology, promote the development of the Centre, representatives of the Centre actively participate in the sessions of UN-COPUOS and put forward proposals to promote the peaceful use of outer space.
Journey of Chinese Aerospace Technology and Culture 2017, 2018

Initiative Activities

The Centre aims at promoting education and training while fostering national space brand. In September 2014, Deputy Director Dr. Wang Jingsong launched the Global Networking Forum (GNF) on International Space Education for the 58th International Astronautical Congress (IAC) with well-received. In June 2015, "Painting Exhibition on China’s Space Exploration - Ming with the Wings of Art" by Dr. Gong Heqin, the associate professor of Department of Industrial Design, Beijing University, was successfully held in the West Hall of Vienna International Congress.

Dr. Gong Heqin
Teacher of Department of Industrial Design, Beijing University
Graduated from Academy of Arts & Design, Tianjin University

For the purpose of promoting Chinese culture and its "wings", the Centre held a painting exhibition titled "Painting on China’s Space Exploration - Ming with the Wings of Art". This exhibition had an overwhelming reception and was held in the West Hall of Vienna International Congress. The paintings were created by Dr. Gong Heqin, an associate professor at the Department of Industrial Design, Beijing University, and were graduated from the Academy of Arts & Design, Tianjin University.

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Journey of Chinese Aerospace Technology and Culture 2017, 2018
感知中国航天科技文化之旅 (2017-2018)

Poster Design Contest for China Space Day 2016, 2017, 2018
“中国航天日”海报设计大赛 (2016-2018)

In order to better expand influence of China Space Day, inspire people around the world, especially the young people’s passion for exploration and innovation, Poster Design Contest for China Space Day has been jointly organized by the Centre, Department of Industrial Design, School of Mechanical Engineering and Automation, Beijing University and China Aerospace Youth Academy of Space since 2016.

The contest gained wide attention and attracted people from all walks of life. In the past three contests, more than one thousand of works were received from a great many of teachers and students as well as aerospace fans of all ages all over the world. It provides a good platform for the public to share their space views and dreams through posters.
Poster Design Contest for China Space Day 2016, 2017, 2018
“中国航天日”海报设计大赛（2016-2018）
Excellent Works 2016

Excellent Works 2017

Excellent Works 2018

Degree Programmes and Short Training Programmes 2015
2015年教育与培训项目

<table>
<thead>
<tr>
<th>Research Direction</th>
<th>Number</th>
<th>Countries of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Navigation Satellite System (GNSS)</td>
<td>6</td>
<td>Algeria, Pakistan, Bangladesh, Mozambique</td>
</tr>
<tr>
<td>Remote Sensing and Geographic Information Systems (RSAGIS)</td>
<td>7</td>
<td>Algeria, Bahía, Bangladesh, Mongolia, Thailand, Laos</td>
</tr>
<tr>
<td>Micro-satellite Technology</td>
<td>10</td>
<td>Mongolia, Peru, Pakistan, Bangladesh, Brazil, Turkey, Venezuela</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Research Direction</th>
<th>Number</th>
<th>Countries of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Space Technology Applications</td>
<td>10</td>
<td>Iran, Mongolia, Peru, Thailand, Pakistan, Venezuela</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Number</th>
<th>Countries of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr.19-22</td>
<td>Space Law and Policy</td>
<td>38</td>
<td>Bangladesh, Brazil, India, Indonesia, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela</td>
</tr>
</tbody>
</table>

Participants Invited: 111
### Degree Programmes and Short Training Programmes 2016

#### 2016年教育与培训项目

**Master’s Programmes**

<table>
<thead>
<tr>
<th>Research Direction</th>
<th>Number</th>
<th>Countries of Participants</th>
<th>2016年教育与培训项目</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Navigation Satellite System (GNSS)</td>
<td>11</td>
<td>Algeria, Bolivia, Brazil, Croatia, Iran, Nepal, Peru, Thailand, Ukraine, Venezuela</td>
<td><em>全球卫星导航系统</em> *11 *阿果利亚, 巴拉圭, 布拉格利亚, 克罗地亚, 印度尼西亚, 墨西哥, 伊朗, 尼泊尔, 秘鲁, 泰国, 乌克兰, 委内瑞拉</td>
</tr>
<tr>
<td>Remote Sensing and Geographic Information Systems (RS/GIS)</td>
<td>15</td>
<td>Afghanistan, Bangladesh, Bolivia, Indonesia, Iran, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela</td>
<td><em>遥感与地理信息系统</em> 15 *阿富汗, 巴基斯坦, 布隆迪, 印度尼西亚, 伊朗, 蒙古, 巴基斯坦, 伊朗, 肯尼亚, 印度, 马来西亚, 印度尼西亚, 墨西哥, 伊朗, 埃及, 巴拿马, 阿富汗, 波兰</td>
</tr>
<tr>
<td>Space Law and Policy</td>
<td>10</td>
<td>Afghanistan, Bangladesh, Bolivia, Indonesia, Iran, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela</td>
<td><em>空间法律与政策</em> 10 *阿富汗, 巴基斯坦, 布隆迪, 印度尼西亚, 伊朗, 蒙古, 巴基斯坦, 伊朗, 埃及, 墨西哥, 阿富汗</td>
</tr>
<tr>
<td>Space Technology Applications</td>
<td>13</td>
<td>Bangladesh, Iran, Indonesia, Mongolia, Morocco, Myanmar, Nepal, Thailand, Pakistan, Vietnam</td>
<td><em>太空技术应用</em> 13 *巴基斯坦, 印度, 印度尼西亚, 蒙古, 摩洛哥, 缅甸, 尼泊尔, 越南, 塔利班, 突尼斯</td>
</tr>
</tbody>
</table>

**Short Training Programmes in 2016**

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Number</th>
<th>Countries of Participants</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar. 26-30</td>
<td>China Remote Sensing Technology and Data Applications</td>
<td>46</td>
<td>Algeria, Bangladesh, Bolivia, Brazil, Indonesia, Iran, Laos, Mongolia, Mozambique, Nepal, Pakistan, Peru, Slovakia, Thailand, Venezuela</td>
<td>3月26-30号</td>
</tr>
<tr>
<td>May 8-20</td>
<td>International GNSS Seminars <em>GNSS Courses for curious minds</em></td>
<td>31</td>
<td>Algeria, Bangladesh, Bolivia, Brazil, China, Iran, Mozambique, Nepal, Pakistan, Peru, Slovakia, Thailand, Venezuela</td>
<td>5月8-20日</td>
</tr>
<tr>
<td>Jul. 11-31</td>
<td>Remote Technology and Applications</td>
<td>37</td>
<td>Cambodia, Egypt, Iran, Iraq, Korea, Mongolia, Morocco, Nepal, Russia, South Africa, Thailand, Uganda, Venezuela, Zambia</td>
<td>7月11-31号</td>
</tr>
<tr>
<td>Sep. 20-27</td>
<td>Space-based Technologies for Flood and Drought Monitoring RFI Assessment</td>
<td>28</td>
<td>Bangladesh, China, Guinea, Guatemala, India, Italy, Kyrgyzstan, Mongolia, Mozambique, Nepal, Pakistan, Peru, Slovakia, Thailand, Turkey, Ukraine, Zimbabwe</td>
<td>9月20-27日</td>
</tr>
<tr>
<td>Oct. 14-16</td>
<td>The &quot;Bird and Road Initiative&quot; Spatial Information Corridor Engineering Application</td>
<td>45</td>
<td>Algeria, Bangladesh, Bolivia, Brazil, China, Indonesia, Iran, Laos, Mongolia, Nepal, Pakistan, Peru, Thailand, Turkey, Uganda, Venezuela</td>
<td>10月14-16日</td>
</tr>
<tr>
<td>Oct. 21-Nov.</td>
<td>Navigation and Positioning Satellite System Design</td>
<td>31</td>
<td>Algeria, Bangladesh, China, Indonesia, Iran, Laos, Mongolia, Mozambique, Peru, Pakistan, Thailand, Turkey, Venezuela</td>
<td>10月21-11月8日</td>
</tr>
</tbody>
</table>

### Doctoral Programme

**博士研究生项目**

<table>
<thead>
<tr>
<th>Research Direction</th>
<th>Number</th>
<th>Countries of Participants</th>
<th>2016年教育与培训项目</th>
</tr>
</thead>
<tbody>
<tr>
<td>Space Technology Applications</td>
<td>13</td>
<td>Bangladesh, Iran, Indonesia, Mongolia, Morocco, Myanmar, Nepal, Thailand, Pakistan, Vietnam</td>
<td><em>太空技术应用</em> 13 *巴基斯坦, 印度, 印度尼西亚, 蒙古, 摩洛哥, 缅甸, 缅甸, 泰国, 伊朗, 巴基斯坦, 乌克兰, 越南</td>
</tr>
</tbody>
</table>

**Participating Institutions**

- 35

**Notes:**

- **Participants in total:** 317

*Note: All times are in local time.*