Introduction to the UN Regional Centre in China (RCSSTEAP)

Prof. Dr. WENG Jingnong

Executive Director of UN Regional Centre (RCSSTEAP) China
Dean of International School, Beihang University
Regional Centre for Space Science and Technology Education
in Asia and the Pacific (China) (Affiliated to the United Nations)

The Establishment of RCSSTEAP: November 17, 2014

Mission: Promoting the peaceful use of space technologies for the benefit of all humankind.

Vision: Openness, Innovation, Inclusiveness

Principle: Down to the Earth while Aiming High

2013.2
Application
Making a proposal at the 50th session of Scientific and Technical Subcommittee of UN COPUOS

2013.9
Passing Evaluation Mission by UNGOSA Expert Group (experts from Greece, India, Iran, Japan, Mexico, Pakistan)

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

2014.9
Organizing International Space Education Forum at the 65th International Astronautical Congress (IAC), Toronto

2014.11
The Inauguration Ceremony
The 1st Meeting of the Governing Board

2013.6
Approved by the Subcommittee of COPUOS at the 56th session of COPUOS

2014.3
Approved by the State Council of China

2014.7
Organizing a training course for Morocco (CRASTE-LF)

2014.10
Signing agreements with contracting parties
Inaugurated in Nov 17, 2014

Ten Contracting Parties
1st Governing Boarding Meeting
2nd Governing Boarding Meeting

Held on November 27th, 2015 in Beijing
1st Advisory Committee Meeting

December 6, 2016 in Beijing
Map of member states
1st Forum on Space Technology Applications

December 6, 2016 in Beijing
Annual Work Plan — 5 Actions

1. Construct personnel and system to facilitate the sustainable development of the Centre

2. Conduct education and training programs to serve the Centre member countries and other developing countries.

3. Capacity building of the Centre for space application programme

4. Organize activities for promoting visibility of the Centre

5. Publications
## Degree Programs in 2015

### Master's Programs

<table>
<thead>
<tr>
<th>Year</th>
<th>Research Direction</th>
<th>Participants</th>
<th>Counties</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Global Navigation Satellite System (GNSS)</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>2015</td>
<td>Remote Sensing and Geographic Information Systems (RS&amp;GIS)</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>2015</td>
<td>Basic Space Science and Technology(Micro-satellite Technology)</td>
<td>10</td>
<td>7</td>
</tr>
</tbody>
</table>

Participants in total: 23

### Doctoral Program

<table>
<thead>
<tr>
<th>Year</th>
<th>Research Direction</th>
<th>Participants</th>
<th>Counties</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Space Technology Applications</td>
<td>10</td>
<td>6</td>
</tr>
</tbody>
</table>

Introduction to the UN Regional Centre in China 2017
## Short Training Programs in 2015

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Date</th>
<th>Participants</th>
<th>Counties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Global Navigation Satellite Technology and Application</td>
<td>Apr. 19-29</td>
<td>43</td>
<td>16</td>
</tr>
<tr>
<td>2</td>
<td>Remote Sensing Technology and Application</td>
<td>Sept. 14-22</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>Space Law and Policy</td>
<td>Sept. 17-25</td>
<td>38</td>
<td>12</td>
</tr>
</tbody>
</table>

Participants in total: 111
## Degree Programs in 2016

### Master’s Programs

<table>
<thead>
<tr>
<th>Year</th>
<th>Research Direction</th>
<th>Participants</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Remote Sensing and Geographic Information Systems (RS&amp;GIS)</td>
<td>15</td>
<td>11</td>
</tr>
<tr>
<td>2016</td>
<td>Global Navigation Satellite System (GNSS)</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>2016</td>
<td>Space Law and Policy</td>
<td>10</td>
<td>7</td>
</tr>
</tbody>
</table>

Participants in total: 36  
Duration: Sep. 2016 —— June 2018

### Doctoral Program

<table>
<thead>
<tr>
<th>Year</th>
<th>Research Direction</th>
<th>Participants</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Space Technology Applications</td>
<td>13</td>
<td>9</td>
</tr>
</tbody>
</table>

Participants in total: 13  
Duration: Sep. 2016 —— Sep 2019
## Short Training Programs in 2016

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Date</th>
<th>Participants</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>China Remote Sensing Technology and Data Applications</td>
<td>Mar. 20-30</td>
<td>46</td>
<td>13</td>
</tr>
<tr>
<td>2</td>
<td>International GNSS Seminars &quot;GNSS Courses for Curious Minds&quot;</td>
<td>May 8-20</td>
<td>31</td>
<td>15</td>
</tr>
<tr>
<td>3</td>
<td>BeiDou Technology and Its Applications</td>
<td>Jul. 11-30</td>
<td>37</td>
<td>15</td>
</tr>
<tr>
<td>4</td>
<td>Global Navigation Satellite Systems</td>
<td>Aug. 8-13</td>
<td>83</td>
<td>7</td>
</tr>
<tr>
<td>5</td>
<td>Space-based Technologies for Flood and Drought Monitoring and Risk Assessment</td>
<td>Sept. 22-27</td>
<td>28</td>
<td>19</td>
</tr>
<tr>
<td>6</td>
<td>The &quot;Belt and Road Initiative&quot; Spatial Information Corridor Engineering Application</td>
<td>Oct. 14-16</td>
<td>45</td>
<td>16</td>
</tr>
<tr>
<td>7</td>
<td>Navigation and Positioning Satellite System Design</td>
<td>Oct. 31-Nov. 8</td>
<td>31</td>
<td>12</td>
</tr>
</tbody>
</table>

Participants in total: 301
Drawing Exhibition on China Space Exploration

June 17, 2015
Graduation Ceremony 2016

RCSSTEAP
Educational Facilities
The Centre, sticking to the vision of “Openness, Innovation, and Inclusiveness”, is continuously expanding cooperation with innovative development.
So far, we have cultivated 215 graduate students from 23 countries majoring in Space Technology Applications, among whom 95 students from 18 countries are now studying at Beihang University, the host institution of the Centre.

In addition, the Centre has organized more than 20 short training programmes together with APSCO, UNSPSIDER Beijing Office, ENAC, Las Engineering and Technology School of Ohio University, China Satellite Global Services Alliance and other partners, in which over 500 students have participated.
Degree Programs in 2017

Master Programs on Space Technology Application (MASTA)
- Remote Sensing and Geo-information System (RS & GIS)
- Global Navigation Satellite System (GNSS)
- Micro-satellite Technology

Doctoral Program on Space Technology Application (DOCSTA)
- Space Technology Application

Total 53 new participants are now studying at the Centre/Beihang
Aciton 2017: BeiDou Belt & Road School

Partner Universities:
- National University of Sciences and Technology (Pakistan)
- Chulalongkorn University (Thailand)
- École nationale de l'aviation civile (France)
- Technical University of Madrid (Spain)
- Loughborough University (UK)

School + Network

Education and Research Network of Location Based Service for the Belt & Road Countries (Official Website of the School)
Signing *Memorandum of Understanding on the Establishment of BeiDou Belt & Road School* Between Beihang University (China) and National University of Science and Technology (Pakistan)

Visit to Chulalongkorn University, Thailand
Co-Organized with UNOOSA the Meeting of the Directors of the UN Regional Centres held on 13-14 June, 2017, Room C0431, Vienna International Centre. To establish an **ARC - Alliance of Regional Centres** was proposed.
visit to other regional centres

66 countries among the 6 regional centres
The Centre
Website and Wechat of the Centre

Website: http://www.rcssteap.org

WeChat: UN_Centre

Website: http://www.rcssteap.org
Publications

Newsletter

<table>
<thead>
<tr>
<th>Total</th>
<th>2016</th>
<th>2015</th>
</tr>
</thead>
</table>

The Fourth Issue of 2015  
The Third Issue of 2015  
The Second Issue of 2015  
The First Issue of 2015
Thank you for your attention

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