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
About RCSSTEAP

Regional Centre for Space Science and Technology Education
in Asia and the Pacific (China) (Affiliated to the United Nations)
联合国附属空间科技教育亚太区域中心（中国）

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

2013.9
Passing Evaluation Mission by UNOOSA 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

*Note: The preparation can be traced back to 2000.*
Inaugurated in Nov 17, 2014

Ten Contracting Parties
2nd Governing Boarding Meeting

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

December 6, 2016 in Beijing
1st Forum on Space Technology Applications

December 6, 2016 in Beijing
2017 New Year Reception

December 5, 2016 in Beijing

Mr. TIAN Yulong, Secretary General
CNSA

Mr. XU Huibin, President
Beihang University

Mr. Jose Raimundo Braga Coelho,
President of Brazilian Space Agency
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
Drawing Exhibition on China Space Exploration

June 17, 2015
Graduation Ceremony 2016
Educational Facilities
# 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>
# 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
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
Aciton 2017: To Establish a 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)

UN Regional Centre in China / ICG Information Center

BeiDou Research Institute

BeiDou Belt & Road School

International Expert Committee

Advisory Committee

Teaching Center

BeiDou International Exchange and Training Center

BeiDou Laboratory for Education

BeiDou Service Center for Overseas Promotion

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)

......
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
Beihang is planning a new Program for educating international students on Space Science and Technology

Duration: 4 years

Curriculums: 1-2 year for general education

3-4 year for speciality education on RS&GIS, GNSS, Satellite Communication, etc.

Teaching Language: English
Publications

WeChat: UN_Centre

Website: http://www.rcssteap.org
Thank you for your attention