



*Story*

about the Centre

中心故事

联合国附属空间科技教育亚太区域中心（中国）  
成立两周年纪念册（2014-2016）

Album of the Second Anniversary of RCSSTEAP

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## Preface

Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (RCSSTEAP), established on November 17, 2014, has been taking "Promoting the peaceful use of space technologies for the benefit of all humankind" as its honorable mission in continuously exploring and forging ahead with innovative development. Up to now, the Centre has 10 member states. The degree programs of the Centre include the Master and Doctoral programs in the field of remote sensing and geographic information systems, satellite communications, global navigation satellite system, micro-satellite technology, space law and policy. As for non-degree programs, several excellent short training programs were held annually. And more than ten international experts have been invited to deliver lectures in the Centre. Furthermore, the Centre actively promoted the brand and capacity building in order to contribute to the enhancement of education and training level as well as abilities of space technology applications in member states of the Centre and other developing countries.

The Centre is continuously expanding cooperation and promoting exchanges with domestic and foreign enterprises, research institutions as well as other UN-Regional Centres in an active way for its sustainable development and further strength. In addition, the representatives of the Centre take an active part in sessions of Committee on the Peaceful Uses of Outer Space (COPUOS) with closely tracking the space application development in science and technology as well as enlarging its influence. It is worth mentioning that in June, 2015, "Painting Exhibition on China's Space Exploration - Flying with the Wings of Art", well planned by the Centre, was held successfully in the Mozart Hall of Vienna International Centre, which was a bold attempt of combining science with art.

In the harvest season, this album, recording the development course of the Centre with 16 pictures, is published to tell the story of the Centre to the world as well as in commemoration of its second anniversary.

Finally, it is grateful for the continuous support of UNOOSA, Chinese government, Beihang University, partners and other UN-Regional Centres. The Centre will advance further development with heart adhering to the vision of "Openness, Innovation, and Inclusiveness".

## 序

中心自2014年11月17日成立至今,以“推动空间技术和平利用,造福人类”为使命,不断探索、锐意进取、创新发展。现成员国已发展至10个国家,开设有遥感与地理信息系统、卫星通信、卫星导航、小卫星技术、空间法律与政策五个专业方向的研究生培养项目,每年举办多期短期培训班,聘请十余名外籍专家到中心讲学,另外,中心积极推进能力和品牌建设,以期提升成员国及其他发展中国家空间科技教育培训水平和空间技术应用能力。

为了促进中心可持续发展,中心与国内外相关企业和科研院所,以及其他区域中心积极拓展合作与交流,促进中心做大做强。作为联合国的附属教育机构,中心代表积极参加联合国外空委相关会议,密切跟踪了解空间科技应用发展动态,扩大中心影响力,值得一提的是,2015年6月,中心策划的《让太空探索插上艺术的翅膀-中国航天成就绘画作品展》在维也纳联合国外空委总部莫扎特厅成功举办,这也是科学与艺术相融合的一次大胆尝试。

值此金秋时节,我们编辑此本纪念册。记录中心成长的点点滴滴,用16幅图向世界讲述“中心”的故事,并以此纪念中心成立两周年。

最后,感谢联合国外空司、中国政府、中心依托单位北京航空航天大学、中心合作伙伴、其他区域中心和成员国一直以来的支持,中心将继续秉承“开放、创新、包容”的理念,不忘初心,继续前行!

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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)



- 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

Timeline from 2013.2 to 2014.11 detailing key events such as 'Application Making a proposal at the 50th session of Scientific and Technical Subcommittee of UN COPUOS' and 'The Inauguration Ceremony and the 1st Meeting of the Governing Board'.

历时10余年筹备，中心于2014年11月17日正式成立，现成员国已发展至10个国家。中心以“推动空间技术和平利用，造福人类”为使命。 With more than ten years preparation, RCSSTEAP was established on November 17, 2014. Up to now, there are 10 member states of the Centre. The Centre adheres to “Promoting the peaceful use of space technologies for the benefit of all humankind” as its mission.

\*Note: The preperation can be traced back to 2000.

Name List of the Governing Board Members

- Xu Dazhe, Administrator of China National Space Administration (CNSA), Chairperson (China)
Houari Karim, Director of International Cooperation of Algerian Space Agency (ASAL), Member (Algeria)
Felix Menicocci, Secretary General of Argentina National Commission of Space Activities, Member (Argentina)
Md. Delwar Bakht, Chairman of Bangladesh Space Research and Remote Sensing Centre, Member (Bangladesh)
Jaime Antonio Mendoza Gonzales, Space Segment Enginee of Bolivian Space Agency (ABE), Member (Bolivia)
Jose Raimundo Braga Coelho, President of Brazilian Space Agency (AEB), Member (Brazil)
Thomas Djameluddin, Head of National Institute of Aeronautics and Space (LAPAN), Member (Indonesia)
Imran Iqbal, Member of Pakistan Space and Upper Atmosphere Research Commission (SUPARCO), Member (Pakistan)
Jose Julio Cesar Humberto Acuña, Representative of National Commission on Aerospace Research and Development (CONIDA) of the Republic of Peru, Member (Peru)
Victor Cano, President of Bolivarian Agency for Space Activities of Venezuela (ABAE), Member (Venezuela)

Name List of the Representatives of Observers

- Simonetta Di Pippo, Director of the United Nations Office for Outer Space Affairs (UNOOSA), Director (UNOOSA)
Li Xinjun, Secretary General of Asia-Pacific Space Cooperation Organization (APSCO), Secretary General (APSCO)

Director of the Advisory Committee

- Xu Huibin, President of Beihang University, Director of the Advisory Committee



The 1st GB meeting, Nov 17, 2014



The 2nd GB meeting, Nov 28, 2015

中心理事会成员、观察员和咨询委员会主任名单。

Name List of the Governing Board Members, the Representatives of Observers, and Director of the Advisory Committee.



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. 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.



**Mr. Sergio CAMACHO**  
Former Director of UNOOSA



**Ms. Mazlan Othman**  
Former Director of UNOOSA

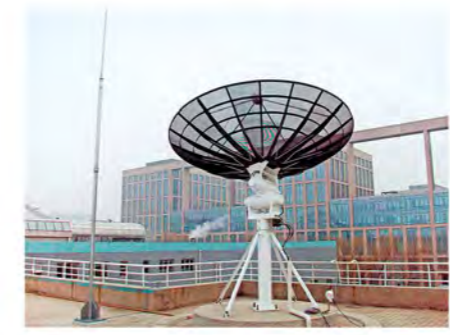


**Ms. Simonetta Di Pippo**  
Director of UNOOSA  
Term of office: 2015-Present

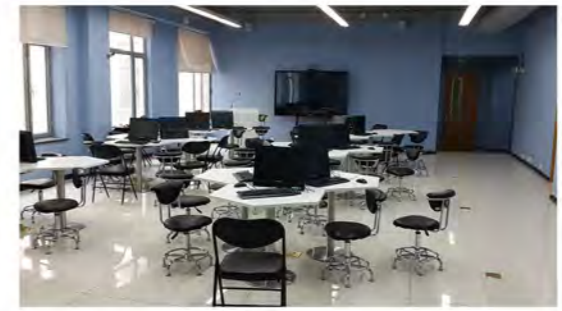
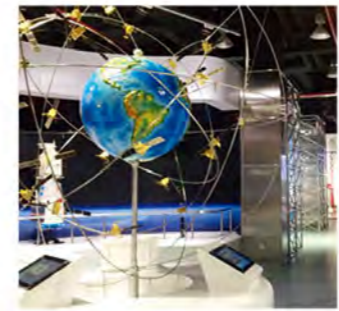


Historical Moments in the Process of Application

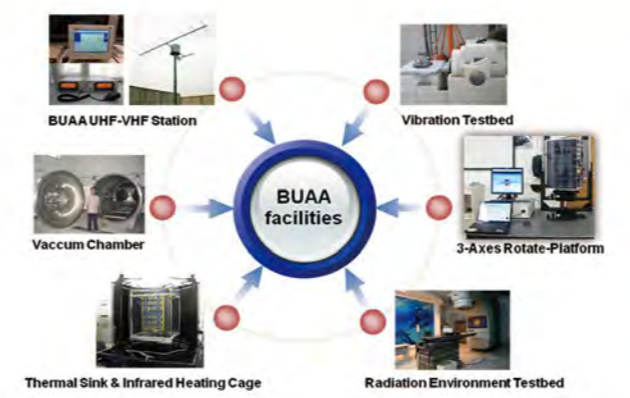
- 2014年11月，中国政府代表国家航天局局长许达哲先生与外空司司长迪皮蓬女士正式签署合作协议。  
In November, 2014, Mr. Xu Dazhe, Administrator of China National Space Administration (CNSA) and Ms. Simonetta Di Pippo, Director of UNOOSA, signed the Cooperation Agreement between the United States and the Centre.



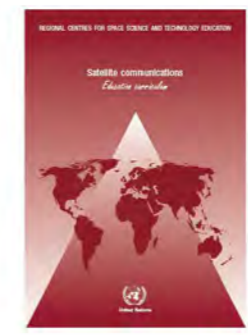
RS&GIS



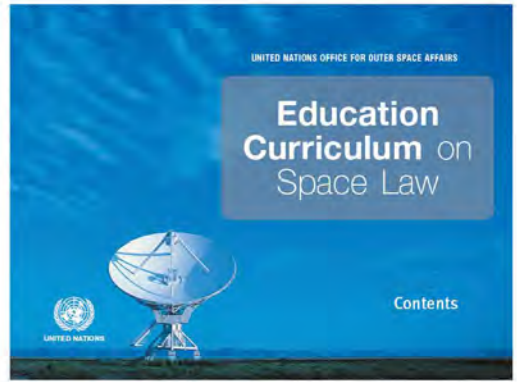
GNSS



Micro-Satellite Technology



SATCOM



Space Law and Policy

- 中心已开设有遥感与地理信息系统、卫星通信、卫星导航、小卫星技术、空间法律与政策五个专业方向的研究生培养项目。  
The Centre offers master and doctoral programs in the field of remote sensing and geographic information systems, satellite communications, global navigation satellite system, micro-satellite technology, space law and policy.



China Academy of Space Technology

China Centre for Resources Satellite Data and Application

Shanghai Academy of Spaceflight Technology

China Academy of Launch Vehicle Technology



BeiDou Navigation Satellite System



Beijing UniStrong Co., Ltd.



Beijing BDStar Navigation Co., Ltd.



ChinaRS Geoinformatics Co., Ltd.



Beijing Aerospace TITAN Technology Co., Ltd.



Twenty First Century Aerospace Technology Co., Ltd.



APSCO ASIA-PACIFIC SPACE COOPERATION ORGANIZATION



民政部国家减灾中心



UN-SPIDER Beijing Office



International Centre on Space Technologies for Natural and Cultural Heritage under the auspices of UNESCO



中国科学院国家空间科学中心 National Space Science Center . CAS



National Satellite Meteorological Center



Institute of Remote Sensing and Digital Earth



National Astronomical Observatories Chinese Academy of Sciences



National Time Service Center



21AT



Aerospace TITAN



Air and Space Museum



APSCO



Beijing BDStar Navigation CO



CASC



CAST



CRESDA



HIST



NDRCC



NSMC



NTS



RADl



UniStrong



China Meteorological Center



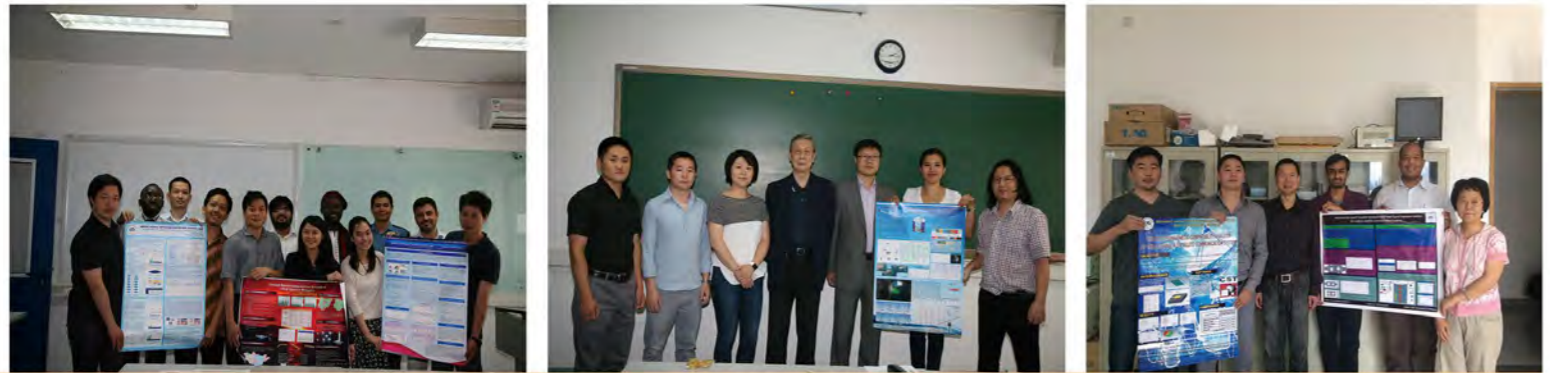
● 中心以“开放、创新、包容”为理念，不断扩大合作、创新发展。  
The Centre, sticking to the vision of "Openness, Innovation, and Inclusiveness", is continuously expanding cooperation with innovative development.

● 中心不定期组织学员前往相关科研机构、企业参观，实现“产学研”优势最大化。  
Professional/Technical visits to relevant research institutions and enterprises are organized by the Centre to maximize the advantages of industry-university-research cooperation.

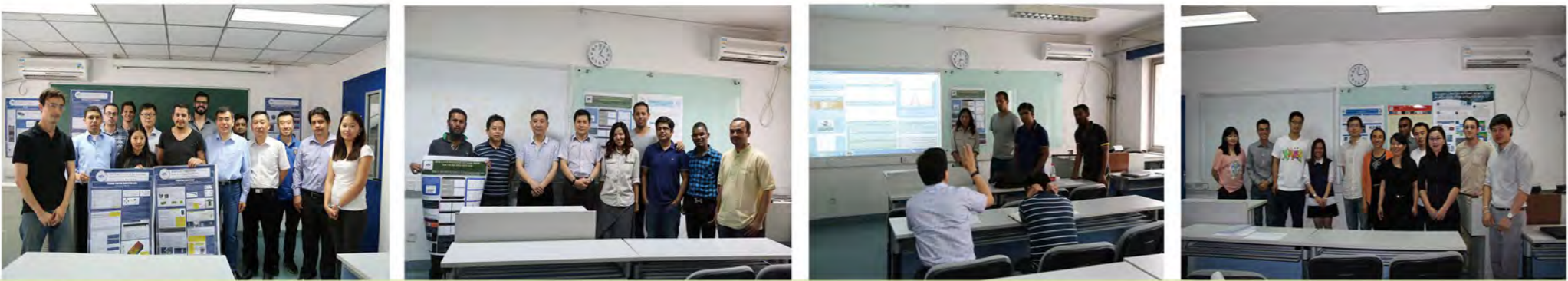
7. Team Pilot Projects



MASTA2013



MASTA2014



MASTA2015

8. Thesis Proposals / Thesis Defenses

2006



2008



2010



2012



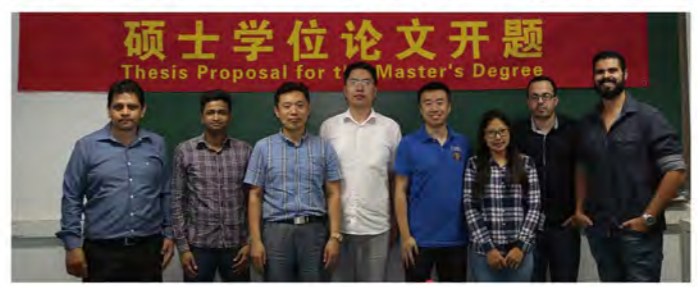
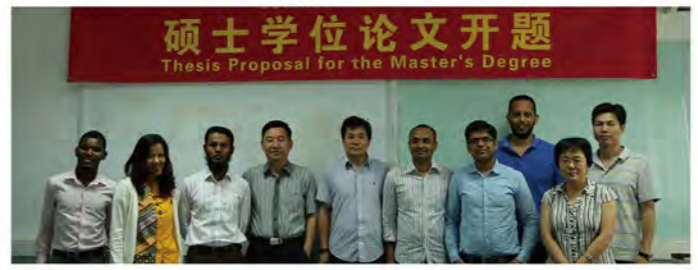
2013



2014



2015



● 教育质量是中心发展的核心，中心严把开题、答辩质量关，同时根据学员的特点进行因材施教，以期中心毕业生成为所在国家空间技术应用的领导和领军人才。  
The Centre is focusing on high-quality education. Strict thesis proposal and defense with individualized teaching are carried out for cultivating leading talents in space technology applications for their home countries.

● 注重实践是中心人才培养的一大特色，通过项目实习培养学员运用所学理论知识、技能解决实际问题的能力及团队合作精神。  
The Centre, featuring "strengthening practice in talent cultivation", aims at training the students' ability in applying the knowledge and skills to practice as well as developing teamwork spirits by team pilot projects.



MASTA  
2012

MASTA  
2013



DOCSTA  
2013  
MASTA  
2014



April 2015-GNSS



September 2015-RS&GIS



September 2015-Space Law and Policy



March 2016-RS&GIS



May 2016-GNSS



July 2016-GNSS



August 2016-GNSS

• 历届学生毕业典礼  
The previous graduation ceremonies.

• 本着资源共享、提高效率、合作共赢的原则，中心定期与UN-SPIDER、APSCO等联合举办短期培训班。  
Short training programs are jointly organized by the Centre, UN-SPIDER, APSCO on the principle of resource sharing, efficiency promotion and win-win cooperation.



• 为丰富学生校园生活，促进不同文明交流，中心定期举办校园国际文化节等品牌活动，实现文明互鉴、多元融通。  
The Centre regularly holds extracurricular activities like International Cultural Festival to enrich students' life and enhance exchanges among different civilizations with tolerance and mutual understanding.



Feb. 2013 The 50th Session of STSC of UNCOPUOS  
Feb. 2014 The 51st Session of STSC of UNCOPUOS  
Feb. 2015 The 52nd Session of STSC of UNCOPUOS  
Feb. 2016 The 53rd Session of STSC of UNCOPUOS  
Jun. 2013 The 56th Session of UNCOPUOS  
Jun. 2014 The 57th Session of UNCOPUOS  
Jun. 2015 The 58th Session of UNCOPUOS  
Jun. 2016 The 59th Session of UNCOPUOS

• 为密切跟踪了解空间科技与应用发展动态，推动中心发展，中心代表积极参加外空委相关会议，并为促进空间技术和和平利用建议献策。  
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 sessions of COPUOS and put forward proposals to promote the peaceful use of outer space.





Map of UN-Regional Centres

● 中心代表分别于2014年7月、2016年1月、2016年8月与摩洛哥区域中心、印度区域中心、尼日利亚区域中心展开短期培训与交流。Representatives of the Centre visited CRASTE-LF in Morocco in July, 2014, CSSTEAP in India in January, 2016 and ARCSSTE-E in Nigeria in August, 2016 respectively for exchanges and cooperation on short training programs.



● 中心积极与印度、委内瑞拉等世界各国开展交流活动，不断扩大中心影响力和知名度。The Centre is actively carrying out international exchanges with other countries in the world like India, Venezuela and the like for its brand promotion.



**Dr. Weng Jingnong**  
 Executive Director of Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (RCSSTEAP), Dean of International School, Beihang University.

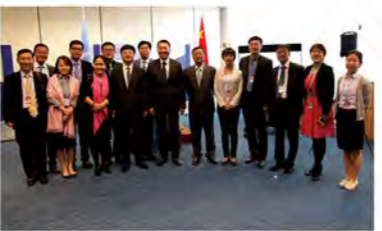


**Dr. Gong Haoqin**  
 Teacher of Department of Industrial Design, Beihang University. Graduated from Academy of Arts & Design, Tsinghua University.

International Space Education Forum



65<sup>th</sup> International Astronautical Congress



**NEW ARMILLA**  
 新天仪  
 Made in 1744 for the purpose of determining true solar time as well as the right ascension difference and declination of celestial bodies.  
 新天仪诞生于1744年，主要用于测定真实太阳时，天体的赤经和赤纬。

On November 17, 2014, Beihang University and Chinese Society of Astronautics jointly planned and launched the Global Networking Forum (GNF) on International Space Education for the 65<sup>th</sup> International Astronautical Congress (IAC). The theme of GNF was "International Space Education Change and Challenge"

- 为推动中心教育培训和打造“航天”文化品牌双轮驱动，2014年10月，中心执行主任翁敬农博士在国际宇航大会上首次发起“国际空间教育论坛”，受到一致好评。2015年6月，北航工业设计系官浩钦博士的《让太空插上艺术的翅膀——中国航天成就绘画作品展》在维也纳联合国外空委总部莫扎特厅成功举办。

The Centre aims at promoting education and training while forging cultural space brand. In October, 2014, Executive Director Dr. Weng Jingnong launched Global Networking Forum (GNF) on International Space Education for the 65<sup>th</sup> International Astronautical Congress (IAC) with well received. In June 2015, "Painting Exhibition on China's Space Exploration - Flying with the Wings of Art" by Dr. Gong Haoqin, the associate professor of department of Industrial Design, Beihang University, was held successfully in the Mozart Hall of Vienna International Centre.

The Website of RCSSTEAP



The Hall of RCSSTEAP



The Newsletters of RCSSTEAP



The Online Channel of RCSSTEAP



WEBSITE



WECHAT

**意初视觉文化传播设计工作室**  
 YC VISUAL CULTURE COMMUNICATION DESIGN STUDIO

主编/Chief Editor 翁敬农/WENG Jingnong  
 编辑/Editor 郭媛媛/GUO Yuanyuan 崔意茁/CUI Yizhuo  
 设计/Design 王鑫/WANG Xin 王颖琳/WANG Yinglin  
 冯彪/FENG Biao 万萌/WAN Meng

中心以工作通讯、中心网站和微信公众号在线平台等为载体，锤炼中心品牌形象，不断提升国际影响力。The Centre continuously forges its brand to enlarge international influence by Newsletter, website, and WeChat public platform, etc.



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)

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