Introduction to the UN Regional Centre in China (RCSSTEAP)

WENG Jingnong Dean, International School, Beihang University Executive Director, the UN Regional Centre in China

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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



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 integrating and maximizing with advanced educational resources at home and aboard. It seeks to promote the peaceful use of space technologies for the benefit of humankind.

作为联合国外空委支持的教育培训实体,中心依托北航的学科优势和国际 教育基础,整合世界优秀教育资源,致力于打造一个开放、创新、国际化的 空间教育平台,积极推动空间技术和平利用、造福人类。

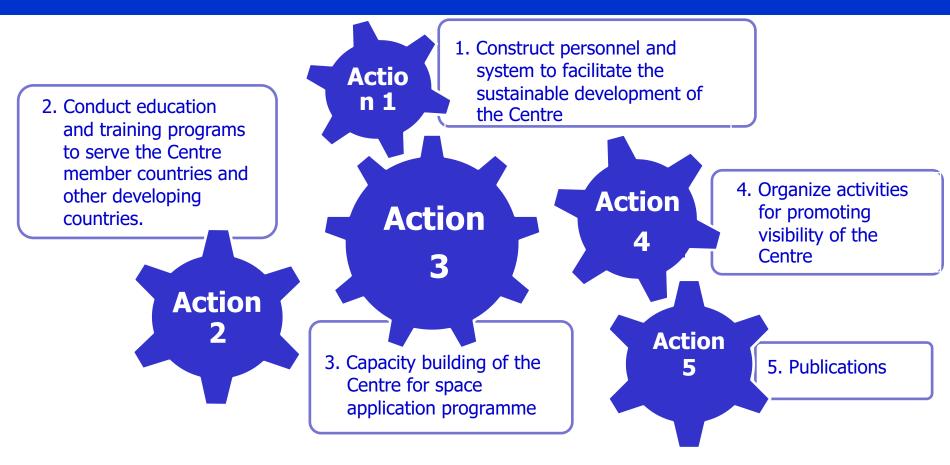




Map of Member States



Annual Work Plan — 5 Actions



Organization ● 组织架构







China Great Wall Industry Corporation 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 UniStrong 음 있 問 법

Beijing UniStrong Co., Ltd. Beijing BDStar Navigation Co., Ltd.

北斗星通

ChinaRS Geoinformatics Co., Ltd.

China 回 由 出版

 Beijing Aerospace TITAN Technology Co., Ltd. PAT

Twenty First Century Aerospace Technology Co., Ltd.







UN-SPIDER Beijing Office HIST Terrete Carter of Lines Technologies for Networks and Carters technology other the subscript of UNIX DCD





Space Debris Observation and Data Application Center China National Space Administration



National Satellite Meteorological Center



Institute of Remote Sensing and Digital Earth



National Astronomical Observatories Chinese Academy of Sciences



National Time Service 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.

Professors/Experts 部分师资



Ms. Mazlan Otgman Former Director of UNOOSA



Mr. Sergio Camacho Former Director of UNOOSA



Mr. Niklas Hedeman Doctor UNOOSA



Mr. Shirish Ravan UN-SPIDER Beijing Office



Mr. Christophe Macabiau ENAC, France



Ms. Gabrynowicz Professor, U.S.A



Mr. Maarten Uijt de Haag Ohio University, U.S.A.



Mr. Stephan Hobe University of Cologne, Germany

Professors/Experts ^{部分师资}





Mr. Yang Yuanxi Mr. Han Chunhao Academican of Chinese Academy of Sciences Beijing Satellite Navigation Centre



Mr. Jing Guilei Deputy Director of NRSCC



Mr. Wang Jinnian China RSGeoinformatics Co., Ltd.



Mr. Zhuang Pengyuan Beihang University



Mr. We Falin Beihang University



Mr. He Linshu Beihang University

Mr. Jin Tian

Beihang University



Mr. Yang Dongkai Belhang University



Ms. Li Suju National Disaster Reduction Center



Mr. Weng Jingnong Beihang University



Mr. Zhao Yun Hongkong University









Micro-satallite Technology Laboratory 小卫星实验室



APSCO Education Training Centre (China)





BeiDou International Exchange and Training Centre



The UN Regional Centre in China

硬件设施

Educational Facilities



National Key Laboratory -CNS-ATM CNS-ATM 国家重点实验室

As a host institution of the APSCO Education Training Centre (China), BeiDou International Exchange and Training Centre and RCSSTEAP, Beihang University is having very close cooperative relationship with the partners (relevant universities, research institutions and enterprises) at home and abroad

Thirty schools of Behang University will provide the Centre with plentiful teaching and internship resources for space science and technology education. In the past ten years, a great many laboratories were founded such as the Ground Station for Remote Sensing Satellite Data Receiving, RS&GIS Laboratory, BeiDou Satellite Navigation System Exhibition Hall, MicroSatellite Technology Laboratory and Distance Education&Video



Remote Sensing Ground Station 接回卫星而回路



Laboratory-GIS-RS GIS-RS 实验室



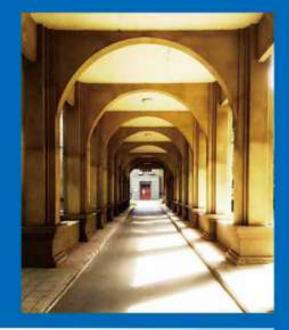
Distance Education Laboratory 远程教学实验家





Living Facilities 生活设施

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 at Beihang University. The campus is picturesque and tranquil with a large area of over 1,500,000 square metres, where the Green Garden, the Lotus Pond, the South Lake as well as Cherry Blossom Garden are scattered and such sports facilities as gym and stadium are built. The Centre campus is characterized by four pavilions (School History Museum, Scientific and Technological Innovation Museum, Air and Space Museum, Art Gallery) and Musical Hall.



联合国附属空间科学与技术教育 亚太区域中心(中国)坐落于北京航 空航天大学主校区内。学校占地总面 积三千二百余亩,总建筑面积150余万 平方米。校园环境安静,风光秀美, 校園内有绿园、荷花池、南湖、樱花 围等园林设施,以及广场、健身摆械 等活动设施,四馆一厅(校史馆、科 接创新馆、航空航天博物馆、艺术馆 和晨兴音乐厅)以及绣泉、雕塑、文 化聚戏幕。





MASTA 2012





Graduation Ceremonies

毕业典礼





DOCSTA 2013 MASTA 2014





DOCSTA MASTA 2013 2015







Short Training Programme 短期培训项目





本書資源共享、標高效率、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 programes are jointly organized by the Centre, UN-SPIDER, APSCO on the principle of resource sharing, efficiency promotion and win-win cooperation.





Extracurricular Activities 课外活动









Exchanges with the Other UN 与其他区域中心交流 Regional Centres



in August, 2016, CRECTEALC in Mexico in May, 2017 and RCSSTEWA in Jordan in May, 2017 respectively for exchanges and cooperation on short training programs.

International Exchanges 国际交流



«Самарский национальный исследовательский университе Имени академика с.п. королёва» Имени академика с.п. королёва»

















中心积极与世界各面开展交流活动、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 for its brand promotion.



Dr. Weng Jingnong

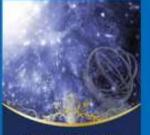
Executive Director of Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (RCSSTEAP), Dean of International School, Beihang University.

On September 29, 2014, Beihang University and Chinese Society of Astronautics jointly planned and launched the Global Networking Forum (GNF) on International Space Education for the 65th International Astronautical Congress (IAC). The theme of GNF was "International Space Education Change and Challenge".

The Centre aims at promoting education and training while forging cultural space brand. In September, 2014, Deputy Director Dr. Weng Jingnong launched Global Networking Forum (GNF) on International Space Education for the 65th 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 Haogin, the associate professor of department of Industrial Design, Beihang University, was successfully held in the Mozart Hall of Vienna International Centre,

Initiative Activities 特色活动





Flying with the wings of art



NEW REMISSIO

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Dr. Gong Haoqin

Teacher of Department of Industrial Design, Beihang University .

Graduated from Academy of Arts & Design, Tsinghua University.

为推动中心教育培训和打造"航关"文化品牌双轮驱动。 2014年9月,中心执行主任新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,北航工业设计单宫浩软博士的《让太空插上艺术的题 统一中国航天成就绘画作品籍》在维也纳联合国外空委总 部業扎特厅成功举办。

感知中国航天科技文化之旅(2017-2018)



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

Information Management Center of the Supreme People's Court













Space Exploration Museum of Beijing Garden Expo Park

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 voung people's passion for exploration and innovation, Poster Design Contest for China Space Day has been jointly organized by Centre, Department of 1710 Industriai Design, School of Mechanical Engineering and Automation, Beitang University and Qian Xuesen 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 stories 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

















4.24 中國祖天日

Excellent Works 2018

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

Degree Programmes in 2015 Master's Programmes

2015年教育与培训项目 硕士研究生项目

Research Direction	Number	Countries of Participants	专业方向	人数	生源国
Global Navigation Satellite System (GNSS)	6	Algeria, Indonesia, Pakistan, Bangladesh, Mozambique	全球卫星导航系统	6	阿尔及利亚、印度尼西亚、巴基 斯坦、孟加拉国、莫桑比克
Remote Sensing and Geographic Information Systems (RS&GIS)	7	Algeria, Bolivia, Bangladesh, Mongolia, Thailand, Laos	運感与地理信息系统	7	阿尔及利亚、玻利维亚、孟加拉 国、蒙古、泰国、老挝
Micro-satellite Technology	10	Mongolia, Peru, Pakistan, Bangladesh, Brazil, Turkey, Venezuela	小卫星技术	10	蒙古、秘鲁、巴基斯坦、孟加拉 国、巴西、土耳其、委内瑞拉

Doctoral Programme

博士研究生项目

Research Direction	Number	Countries of Participants	专业方向	人数	生源国
Space Technology Applications	10	Iran, Mongolia, Peru, Thailand, Pakistan, Venezuela	空间技术应用	10	伊朗、蒙古、秘鲁、泰国、巴基 斯坦、委内瑞拉

Short Training Programmes in 2015

短期培训项目

Date	Topic	Number	Countries of Participants	时间	培訓考驗	人数	生源国
Apr.19-29	Global Navigation Satellite Technology and Application	43	Algeria, Bolivia, Brazil, China, Croatia, Indonesia, Laos, Mongolia, Myanmar, Nigeria, Pakistan, Peru, Slovakia, Thailand, Turkey, Venezuela	4月19-29日	卫星导航技术与应用	43	阿尔及利亚、玻利维亚、巴西、中国 克罗地亚、印度尼西亚、老峃、蒙古 缅甸、尼日利亚、巴基斯坦、经鲁 斯洛伐克、泰国、土耳其、委内瑞拉
Sept.14-22	Remote Sensing Technology and Application	30	Algeria, Bangladesh, Bhutan, Brazil, China, Ethiopia, Indonesia, Iran, Oman, Pakistan, Peru, Mongolia, Mozambique, Myanmar, Nigeria, Saudi Arabia, Singapore, Thailand, Turkey, Venezuela	9月14-22日	通感技术与应用	30	阿尔及利亚、孟加拉国、不升、已四、 中国、埃塞俄比亚、印度尼西亚、作 朗、阿曼、巴基斯坦、秘鲁、 蒙古、耳 桑比克、缅甸、尼日利亚、沙特阿特 伯、新加坡、泰国、土耳其、委内瑞特
Sept.17-25	Space Law and Policy	38	Bangladesh, Bolivia, Brazil, China, Egypt, Indonesia, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela	9月17-25日	空间法律与政策	38	孟加拉国、玻利维亚、巴西、中国、 埃及、印度尼西亚。蒙古、巴蒂斯 坦、秘鲁、泰國、土耳其、委內瑞拉

Participants in total: 111

Degree Programmes and Short Training Programmes 2016 2016年教育与培训项目

Degree Programmes in 2016 Master's Programmes			2016年教育与培训项目 硕士研究生项目		
Research Direction	Number	Countries of Participants	专业方向	人数	生源国
Global Navigation Satellite System (GNSS)	11	Algeria, Bolivia, Brazil, Croatia, Iran, Nigeria, Peru, Thailand, Ukraine, Venezuela	全球卫星导航系统	11	阿尔及利亚、玻利维亚、巴西、 克罗地亚、伊朗、尼日利亚、秘 鲁、泰国、乌克兰、委内瑞拉
Remote Sensing and Geographic Information Systems (RS&GIS)	15	Algeria, Bangladesh, Bolivia, Indonesia, Iran, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela	遥感与地理信息系统	15	阿尔及利亚、孟加拉国、玻利維 亚、印度尼西亚、伊朗、蒙古、 巴基斯坦、秘鲁、泰国、土耳 其、委内瑞拉
Space Law and Policy	10	Bolivia, Mongolia, Nigeria, Pakistan, Thailand, Turkey, Venezuela	空间法律与政策	10	蒙古、秘鲁、巴基斯坦、孟加 拉国、巴西、土耳其、委内瑞 拉
	_	Participants in total: 36			合计: 3
Doctoral Programme			博士研究生项目		項目
Research Direction	Number	Countries of Participants	专业方向	人数	生源国
Space Technology Applications	13	Bangladesh, Iran, Indonesia, Mongolia, Myanmar, Nigeria, Thailand, Pakistan, Venezuela	空间技术应用	13	伊朗、蒙古、秘鲁、泰国、巴基 斯坦、委内瑞拉

Short Training Programmes in 2016

短期培训项目

Date	Topic	Number	Countries of Participants	时间	培训专题	人数	生源国
Mar. 26-30	China Remote Sensing Technology and Data Applications	46	Algeria, Bangladesh, Bolivia, Brazil, Indonesia, Iran, Laos, Mongolia, Mozambique, Nigeria, Pakistan, Peru, Slovakia, Thailand, Venezuela	3月26-30日	中国航天遥感技术 与遥感数据应用	46	阿尔及利亚、孟加拉国、玻利维亚、巴 茜、印度尼西亚、伊朗、老挝、蒙古、嘉 桑比克、尼日利亚、巴基斯坦、秘鲁、 斯洛伐克、泰国、委内瑞拉
May. 8-20	International GNSS Seminars "GNSS Courses for curious minds"	31	Algeria, Bangladesh, Bolivia, Brazil, China, Iran, Mozambique, Nigeria, Pakistar, Peru, Saudi Arabia, Thailand, Venezuela	5月8-20日	国际卫星导航技术 研讨班一"卫星导 航求如之路"	31	阿尔及利亚、巴基斯坦、孟加拉国、莫 桑比克、曼内瑞拉、泰国、伊朗、玻利 维亚、尼日利亚、秘鲁、巴西、沙特、 中国
Jul. 11-30	Beidou Technology and its Applications	37	Cambodia, Egypt, Iran, Iraq, Malaysia, Mongolia, Morocco, Nigeria, Oman, Pakistan, South Africa, Thailand, Uganda, Venezuela, Zambia	7月11-30日	"北斗技术与应用" 国际培训班	37	東浦寨、埃及、伊朗、伊拉克、马来西 亚、蒙古、章浩哥、尼日利亚、阿曼、 巴基斯坦、南非、泰国、乌干达、委内 瑞拉、赞比亚
Aug. 8-13	Global Navigation Satellite Systems	83	Cameroon, Ghana, Kenya, Libya, Nigeria, Sudan, Tanzania	8月8-13日	全球卫星导航系统	83	喀麦隆、加纳、肯尼亚、利比亚、尼日 利亚、苏丹、坦桑尼亚
Sept. 22-27	Space-based Technologies for Flood and Drought Monitoring Risk Assessment	28	Bangladesh, Ghana, Guaternala, India, Iran, Italy, Kyrghyzstan, Mongolia, Mozambique, Nepal, Nigeria, Pakistan, Peru, Sudan, Thailand, Trinidad and Tobago, Turkey, Zimbabwe	9月22-27日	空间技术用于早溃 检测和风险评估	28	孟加拉国、加納、危地马拉、印度、伊 朗、意大利、吉尔吉斯斯坦、蒙古、冀 桑比克、尼治尔、尼日利亚、巴基斯 坦、秘鲁、苏丹、泰国、特立尼达和多 巴哥、土耳其、津巴布韦
Oct. 14-16	The "Belt and Road Initiative" Spatial Information Corridor Engineering Application	45	Algeria, Bangladesh, Bolivia, Brazil, Croatia, Indonesia, Iran, Laos, Mongolia, Nigeria, Pakistan, Penu, Thailand, Turkey, Ukraine, Venezuela	10月14-16日	"一带一路"空间 信息走廊工程应用	45	阿尔及利亚。孟加拉国、玻利维亚、巴 西、克罗地亚、印度尼西亚、伊朗、老 挝、蒙古、尼日利亚、巴基斯坦、秘 鲁、泰国、土耳其、乌克兰、委内瑞拉
Oct. 31- Nov.8	Navigation and Positioning Satellite System Design	31	Algeria, Bangladesh, China, Indonesia, Iran, Laos, Mongolia, Mozambique, Pakistan, Peru, Thailand, Turkey	10月31日 -11月8日	导航与定位卫星系 就设计	31	阿尔及利亚、孟加拉国、中国、印度尼 西亚、伊朝、老祖、蒙古、莫桑比克、巴 基斯坦、秘鲁、泰国、土耳其

Degree Programmes and Short Training Programmes 2017 2017年教育与培训项目

Number	Countries of Participants
11	Bangladesh, Bolivia, Mongolia, Pakistan, Peru, Thailand, Turkey
14	Bolivia, Bangladesh, Brazil, Iran, Mongolia, Nigeria, Pakistan, Peru, Turkey
15	Mongolia, Peru, Pakistan, Bangladesh, Brazil, Turkey, Venezuela, Iran, Thailand
	11 14

Degree Programmes in 2017 Master's Programmes

2017年教育与培训项目 硕士研究生项目

专业方向	人数	生薬園
全球卫星导航系统	11	孟加拉、玻利维亚、蒙古、巴基 斯坦、秘鲁、泰国、土耳其
這感与地理信息系统	14	重加拉、建利维亚、巴西、伊朗、蒙古 尼日利亚、巴基斯坦、秘鲁、土耳其
微小卫星技术	15	孟加拉, 巴西, 伊朗, 蒙古, 巴基斯 坦, 秘鲁, 泰国, 土耳其, 委内瑞拉
		会计: 40人

博士研究生项目

专业方向	人國	330
空间技术应用	11	阿尔及利亚、孟加拉、伊朗、巴基 斯坦、泰国、土耳其、委内瑞拉

Short Training Programmes in 2017

Doctoral Programme

Countries of Participants Algeria, Bangladesh, Iran, Turkey,

Thailand, Pakistan, Venezuela

Number

11

Research Direction

Space Technology Applications

Date	Topic	Number	Countries of Participants
Feb. 22-24	BeiDou Satellite Navigation Technology	51	Afghanistan, Egypt, Kenya
May 9-11	Remote Sensing Technology and Application	40	Belgium, France, Germany, Italy, Luxembourg, Netherlands
kug.14-Sept.1	The First Summer Campi of the ArSCO Student Small Satellite Project	47	Bangladesh, China, Iran, Mongolia, Pakistan, Peru, Thailand, Turkey
0rt.25-11	Integration of Multisecour Earth Observation Data for Disaster Damage Assessment	46	Bangladesh, China, Fiji, Ghana, India, Indonesia, Iran, Kenya, Mongolia, Mozambique, Myanmar, Nigeria. Pakistan, Penu, Sudan, Thailand, Turkey
Nov. 17-19	China Satellite Service and Big Data Analysis & Application for Remote Sensing	51	Algeria, Bangladesh, Bolivia, Brazil, China (Hong Kong), Iran, Malaysia, Mongolia, Nigeria, Pakistan, Penu, Thailand, Turkey, Venezuela

短期培训项目

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3,92210-2410	北斗卫星导航技术	51	同業件、編集、由定業
5,898-198	得新定位技术	40	11.905. 200. 000. 0.59. Add R2
88148-9818	APSCO大学小卫星 项目番茄学校	47	建加拉里、中田、伊朗、蒙古、巴基 斯坦、松蚕、香田、土耳其
10月25日-31日	多源地球视测数据 与灾情灾害素器	46	孟加杜里、中提、荣活、加州、印度 印度赵西亚、伊根、克拉王、安古、 高岛北方、雪和、克拉利亚、巴基斯 和、秋色、苏丹、泰因、土耳其
118175-198	最感大教師与卫星	51	科尔及利亚、波加拉、道利核亚、巴 西、中国香港、伊朗、马来西亚、重 古、尼日利亚、巴基斯坦、哈鲁、泰 国、土耳其、泰六排攻

Participants in total: 235











Brand Building

品牌建设







Brand Promotion 品牌建设 Reception Room of RCSSTEAP



The Website of RCSSTEAP





WECHAT

主体Chellelan INRX/WHICIngung 新聞/Fid/Lat INREGIO Service #302/CUTATion 北京君祿子创意设计有限公司 Statistics Manager #ALECO Formation ON OASI Constant Design CO. US MUTURESTOP 主義WAND Statistics 75 ELFD-C Bas EM2 AVANG Chergen

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。不断锤体品牌形象,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.



Beihang University is the first aerospace university in China, established in 1952 and located in Beijing, the capital of China.

Schools	31
State Key Laboratories	8
Undergraduate Programs	57
Master's Programs	144
Doctoral Programs	49
S tudents	29,211
Undergraduates	15,620
Graduates	13,591
International students	2,258
Faculty & Staff	3,885





QUICK FACTS

Main Campus

located in Zhongguancun Science Park, Haidian District

At the heart of higher learning and technology development 30-min drive from Tian'anmen Square

Shahe Campus

Changping District, 100 hectares 27km away from the main campus





International Education Programs at Beihang University

