

Counsellor : Huang Haijun
Chief Editor : Weng Jingnong
Executive Editor : Cui Yizhuo / Guo Yuanyuan
Editor : Liu Xu / Yang Dongkai
Layout Design : Wang Xin / Wu Fangbo / Wang Yinglin

NEWSLETTER

No.6 2 0 1 6
The Sixth Issue
Serial No.006

Exchange · Promotion · Development



*Enhance the understanding and
subsequent use of space technology for peaceful purposes*

ADD: East Wing of Library, Beihang University, No. 37 Xueyuan Road,
Haidian District, Beijing, 100191, P. R. China

TEL: +86-10-82339734

FAX: +86-10-82339326

WEB: www.rcssteap.org

RCSSTEAP

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

联合国附属空间科学与技术教育亚太区域中心 (中国)

Contents

Preface	3
Special Focus——International GNSS Seminar 2016 on BeiDou/GNSS Technologies and Applications	4
Overview	4
Opening Ceremony	5
Experts	6
Technical Visits	7
Closing Ceremony	7
Feedback	8
Special Focus——2016 Graduation Ceremony & Course Completion Ceremony for MASTA/DOCSTA	9
Graduation Ceremony & Course Completion Ceremony	9
Words to Beihang University	13
RCSSTEAP (China) Activities	15
Students of the RCSSTEAP Participated in Activities of the 1 st “Space Day of China”	15
Representatives of RCSSTEAP Attended the 59 th Session of UNCOUOS	16
Visit to Cooperative Partners	17
- China Academy of Launch Vehicle Technology	17
- National Astronomical Observatories, Chinese Academy of Sciences	17
- China Space Foundation	17

Representatives and Participants of RCSSTEAP Attended the 3 rd China International Satellite Service Business Matching and Microsatellite Commercialization Forum	18
Students of RCSSTEAP Participated in the Fifth International Cultural Festival	18
Concert for New Classics of Yangqin Ensemble	20
Cooperation between RCSSTEAP and Editorial Department of Satellite Application	20
The 1 st Expert Group Meeting (EGM) of APSCO Space Curricula Development Program	21
Poster Design Contest for Space Day of China Announcement of the wards	22
Conference among The Belt and Road Countries about BDS Services	25
Education and Training Programs	27
Pilot Project	27
Thesis Defense	28
Thesis Proposal	29
Enrollment of MASTA & DOCTSTA Students in 2016	30
Capacity Building	31
Office Environment Perfection	31
New Column on RCSSTEAP Website	33
Participants Column	36
Graduation Moments	36
Additional Words	37
Glance of the Centre	38

RCSSTEAP

Preface

The wind carries a blend of lotus fragrance and the bamboos are kissed with dewdrops. Time flies, it is now at the end of summer. The campus of Beihang University is sizzling with an atmosphere of graduation. Rows of poplar trees stand perfectly straight, elucidating a formal send-off to the graduates. The bright faces of graduates with nostalgic feelings express that they love Beihang forever. From now on, they will pursue their dreams far away.

On June 22nd, 2016, 17 MASTA 2014 graduates and 2 DOCSTA 2013 graduates received shining diplomas at Commencement Ceremony. It meant that they had a good performance in space application such as RS&GIS, Satellite Communication, GNSS and Micro-Satellite, and would join a long line of distinguished alumni who had made good use of their knowledge. They expressed their appreciation to China and Beihang University for giving them an unforgettable experience here. They are ready for whatever lies ahead and will effectively take advantage of all they have learned in the program to serve their homeland and people. They will work with a strong commitment to put knowledge and energy to good use and to make this a better world for succeeding generations. At the same time, freshmen are coming to Beihang from all over the world. RCSSTEAP has successfully completed enrollment. 59 new participants have been selected from more than 70 applicants, including 45 master candidates and 14 doctoral candidates. They will be dedicated to the study of RS&GIS, GNSS and Space Law in the coming September.

June is a farewell month. Wave good-bye to the wayside poplar trees! However, the campus of Beihang University is full of enthusiasm and dream, encouraging you to start off your new journey bravely.

Bearing in mind the educational philosophy of Beihang University "Admire morality and be practical; seek truth and be innovative", we hope all the graduates will carry on the mission of using outer-space peacefully and make new achievements in aerospace!



Special Focus——International GNSS Seminar 2016 on BeiDou/GNSS Technologies and Applications

Overview

From 8th to 20th May, 2016, the International GNSS Seminar on BeiDou/GNSS technologies and applications was held successfully. It was organized by Beihang University, Ecole Nationale de l'Aviation Civile and The Russ College of Engineering and Technology at Ohio University and sponsored by Beidou International Exchange and Training center (ITEC), Regional Center for Space Science and Technology Education in Asia and the Pacific (China) (Affiliated to the Union Nations) (RCSSTEAP) and ZGC Geospatial Information & Technology Alliance (ZGITA). This seminar was aiming to promote training of early career researchers and professionals involving research and development and application of Global Navigation Satellite System and BeiDou technologies.

This seminar focusing on the BeiDou/GNSS technologies and applications, invited 12 experts from America, France and domestic universities, companies and

research institutions as keynote speakers. 31 trainees from 14 countries participated in the seminar. 9 of them were from member states of RCSSTEAP and ITEC, including China, Bangladesh, Brazil, Bolivia, Pakistan, Peru, Saudi and Venezuela. In addition, 22 graduates majoring in International Space Technology Application and staff of relevant scientific research institutions participated in the program.

The content of the seminar covered GNSS theory, hardware, software and applications, containing relevant skills of system design, ground-based and space-based augmentation, terminals and algorithms, and application technology. The International GNSS Seminar included lectures, laboratory visiting, technical visits and communication among trainees. Through the seminar, exchanges and cooperation of BeiDou/GNSS technologies and applications in pacific area have been improved.



INTERNATIONAL GNSS SEMINARS
GNSS Courses for curious minds



Opening Ceremony

On 9th May, 2016, the opening ceremony of the International GNSS Seminar on BeiDou/GNSS technologies and applications was held at the 8th conference room of New Main Building at Beihang University. Mr. MA Jinxi, Director of International Division, Beihang University, Mr. WANG Zulin, Dean of School of Electric and Information Engineering, Beihang University, Mr. WENG Jingnong,

Deputy Director of RCSSTEAP, Dean of International School, Beihang University, representatives of China Satellite Navigation Office, representatives of Beidou International Exchange and Training center (ITEC), representatives of ZGC Geospatial Information & Technology Alliance (ZGITA), representatives of Beijing UniStrong Science & Technology Co., experts and all trainees attended the opening ceremony.



Experts

9 professors from Beihang University, Ecole Nationale de l'Aviation Civile, The Russ College of Engineering and Technology at Ohio University, University of New South Wales, leading companies and agencies in the field of space technology in China, gave wonderful presentations which covered China remote sensing

satellites and data application, and they are Beijing Aerospace TITAN Technology Co., Ltd., ChinaRS Geoinformatics Co., Ltd., Siwei Worldview Technology (Beijing) Co.,Ltd., DFH Satellite Co.,Ltd., National Disaster Reduction Center of China, Beijing Panorama Space Technology Co., LTD, and Space star Technology Co., Ltd..



University of New South Wales, Australia
Andrew Dempster

ENAC, France
Christophe Macabiau

Airbus, France
Laurent Azoulai



Ohio University, USA
Michael Braasch

Ohio University, USA
Maarten Uijt de Haag

BSNC, China
HAN Chunhao

Beihang University, China
JIN Tian



Hong Kong Polytechnic University
LIU Zhizhao

UNISTRONG,China
SHEN Jun

Beihang University, China
WU Falin

Beihang University, China
XUE Rui

Technical Visit

On the morning of May 14th, 2016, 20 lecturers and students in International GNSS Seminar(2016) visited Beijing BDStar Navigation CO., Ltd..

BDStar is a specialized company engaged in navigation and positioning service, which was established at the same time as the launching of China's first BeiDou satellite in the year 2000. BDStar has always been committed to promoting industrialization of China's satellite navigation and gathers research & development, production and sales into one. Its main businesses are information system application based on positioning, supply of satellite navigation products and operation service based on location.

BDStar covers the fields of military and civilian applications, such as Navigation and Positioning, Command and Control, Precision Measurement, Target monitoring, etc.

After the visit, staff of BDStar fully answered students' questions. Through this visit, all participants learnt BDStar's overview, history, development strategy, business structure and major products, which include chips, modules, antenna, BD-based industrial products and vehicle-carried Electronic equipment. Through this visit, all participants benefitted by understanding more about BeiDou Navigation Satellite System.



Closing Ceremony

The closing ceremony of the International GNSS Seminar on BeiDou/GNSS technologies and applications was

held in room 505 in International College of Beihang University on 20th May, 2016, which marked a successful ending of the

two-week seminar.

In the Participants' Forum, participants exchanged the current situation, development trend and requirements of BeiDou/GNSS technologies and applications in different countries. They have made profound friendships during the



Feedback

- ◆ All lectures and lecturers were excellent, and contributed with very important information and knowledge for trainees.
- ◆ The knowledge provided by lectures was clear and his teaching style was also good, flexible and communication skill was excellent.
- ◆ All information was compressible and I could understand all about correlation in GPS codes.
- ◆ I could understand what is the next step to GNSS. GNSS was born to give us our position but all the research fields about this technology are very important to the world.
- ◆ I am thankful that all lecturers and this program are very useful and very

seminar and acquired great harvest from international known professors' lectures. After that, experts of RCSSTEAP, Prof. Yang Dongkai and Mr. Wu Falin conferred participants with the completion certificate and took a group photo together.

- interesting, especially this program makes me know new friends and has connection because some are senior experts in GNSS.
- ◆ Thanks for this great program that it was one of the best programs I had attended. I learned a lot in this program.
- ◆ It is very difficult to cover such a large topic within 13 days. Thanks for arranging such a program. I learned many things from this.
- ◆ The whole seminar's lectures and lecturers were excellent. This program was very useful for GNSS technology and every participant earned knowledge. Lecturers were very good to explain the concept from basic to advance technical stuff.

2016 Graduation Ceremony & Course Completion Ceremony for MASTA/DOCSTA

On June 22nd, 2016, Graduation Ceremony & Course Completion Ceremony for MASTA/DOCSTA 2016 was presided over by Mr. Weng Jingnong, Dean of International School of BUAA and Executive Director of the Regional Centre for Space Science and Technology Education in Asia and the Pacific (China), at Conference Centre of Beihang University. MASTA 2014 & DOCSTA 2013 Graduates, MASTA 2015 Students, Supervisors, Representatives from different organizations and academies attended the ceremony.

The ceremony began with a series of famous Chinese traditional music, taking all students back to their unforgettable experience at Beihang University.



Mr. Weng Jingnong, Dean of International School of BUAA and Executive Director of the RCSSTEAP (China) extended his sincere congratulations to all the graduating students of 2016 and announced the commencement of the ceremony.



Mr. Huang Haijun, Vice President of Beihang University and Mr. Li Xinjun, Secretary-General of APSCO, issued the certificates and souvenirs.



Ms. He Qiong, Deputy Director General of Department of Military-Civil Technology Integration, issued the certificates to "Excellent Graduate".



Mr. Mohammad Ebrahimi, Director General of Department of Education and Training and Database Management, APSCO and Mr. He Linshu, Senior Expert of RCSSTEAP (China), issued the certificates to Course Completion students.



Mr. Huang Haijun, Vice President of Beihang University extended his heartfelt congratulations to all the 19 graduates from the MASTA/DOCSTA program and wished they could effectively take advantage of all they had learned in the program to serve their respective homelands and people.



Ms. He Qiong, Deputy Director General of Department of Military-Civil Technology Integration expressed China's willingness to provide education and training resources to the full extent to all the countries dedicated to the peaceful use of outer space and belief to yield more fruits and embrace an even more promising future.



Mr. Li Xinjun, Secretary-General of APSCO, told all the students to hold true to themselves as facing and tackling the inevitable changes. He said, "Remember to hold onto your value system, your work ethic and most importantly, your humanity. It is these qualities that will guide you further on your journey."



Mr. Wu Falin, the representative of teachers, recalled his memorable experience with the dear students and hoped that they all would have a great future.

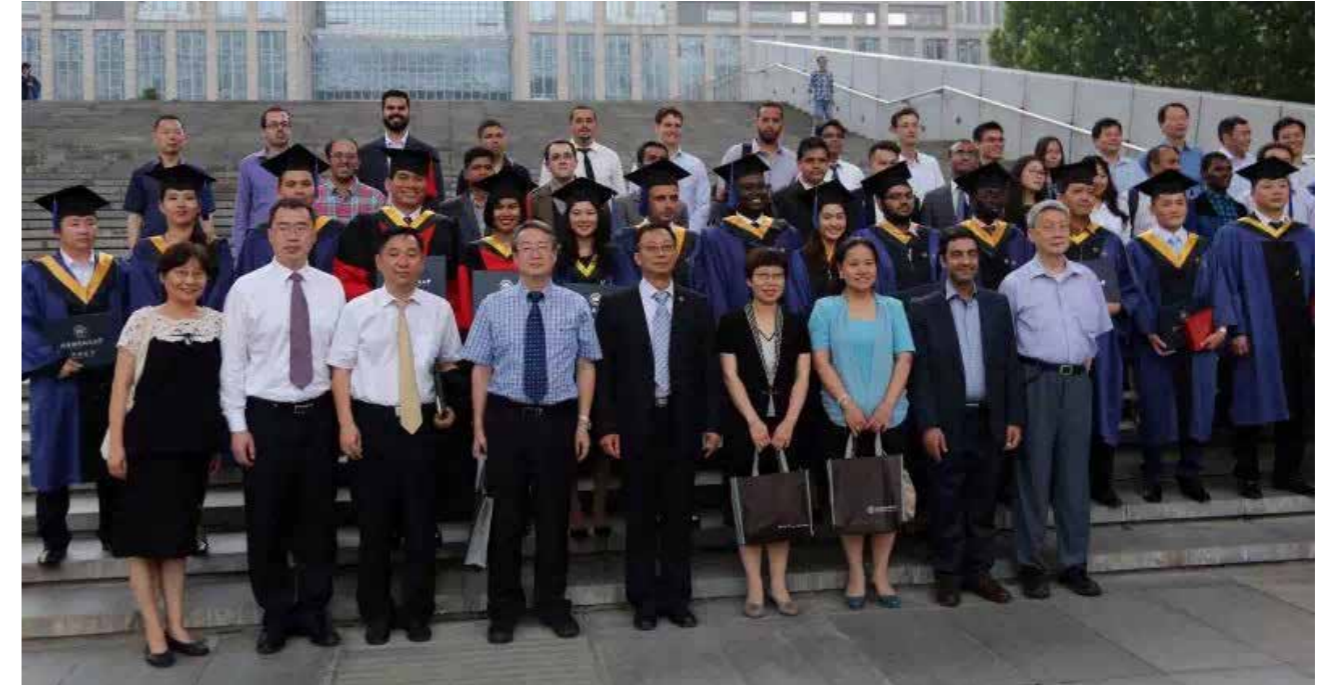


Ms. SUKAWATTANAVIJIT CHANIKA, the representative of DOCSTA 2013 Graduates, Mr. KULKARNI ADVAIT UMESH and Ms. TAEWPANICH THANIDA, the representatives of MASTA 2014 Graduates, and Mr. MONDAL KRISHNA PROSAD, the representative of MASTA 2015 Students expressed their appreciation to APSCO, RCSSTEAP and the China Scholarship Council for giving them the opportunity to study in the program. They shared their unforgettable experience in Beihang

University and would like to be the bridge between China and their homeland in the future.

Finally, Mr. Li Xinjun and Mr. Huang Haijun signed the Cooperation Agreement for Degree Education Programs of APSCO between APSCO and Beihang University.

Down to the earth while aiming high! Wish a brilliant future for all of the MASTA 2014&DOCSTA 2013 graduates and MASTA 2015 students.



RCSSTEAP

Words to Beihang University

§ TAEWPANICH, THANIDA (Thailand)

"I have really loved my time at Beihang University. In particular, I have really appreciated all my teachers who tried to give me the best knowledge and all friends are also very friendly to help each other. Thanks APSCO for giving me such a great opportunity and a valuable experience to study here."

§ AHMED, WASIU AKANDE (Federal Republic of Nigeria)

"MASTA in Space Technology Application is very interesting and my experience at Beihang University shows that I can vouch for the standard of the program. The lecturers are qualified and expertised and the staff are dedicated".

§ ECHODA, NGBEDE JOSHUA ADA (Federal Republic of Nigeria)

Firstly, Beihang University is one of kind universities that make studying science based course a fun experience, the university never compromises on hard work and dedication to study but they also provide the perfect environment that makes learning interesting and interactive for the students. MASTA programme has the culture of excellence that provides a unique key set of knowledge on space technology applications to students in a way that is organised to encourage creativity in the sector. Secondly, the program has intellectuals/lecturers who are

amazingly respectful to students and are always willing to help students whenever called upon. The time spent here gave me the privilege to meet fantastic people like Prof. Weng Jingnong (Dean of International School and Director RCSSTEAP), Prof Yang Dongkai, the ever humble and very helpful Ms. GuoYuanyuan and a host of all others. Lastly, RCSSTEAP to me is like a young stallion that is making great strides in Space technology applications training, it is a center well cited at Beihang University which is continuously breaking grounds with the quality of its program like MASTA/DOCSTA. Through this program, I have been able to increase my knowledge of general issues and space technologies. Besides, I was able to meet some great friends from all around the world and such friendship is one to cherish forever. Thank you Beihang, Thank you RCSSTEAP and special thanks to all my lecturers and to all my friends! Till we meet again, for now, is adieu!!

§ SIRITHANYARAT, ANAN (Thailand)

"2 years at Beihang University has passed quickly. Thanks for the love, friendship, warm, caring to me. I will keep in my memory forever."

§ BURGUILLOS FAJARDO, CARLOS ALBERTO (Bolivarian Republic of Venezuela)

My special and deepest thanks to Beihang University for opening their doors to the

first Venezuelan engineer in participating in the Masta Program in Space Technology Applications (SATCOM) in representation of the Bolivarian Agency for Space Activities (ABAE). This opportunity allowed me to increase my knowledge and expertise in the area of space technology.

From my point of view, the support of Beihang University and Chinese Government in the Masta Program in Space Technology Applications encourage the cooperation among different countries of the world as regards the peaceful use of space technology for the benefit and development of the humanity.

According to my personal experience in previous studies in the area of space technology, for instance at China Space Technology Academy (CAST), Airbus

Defence and Space Company, Astrium. The MASTA Program in Space Technology Applications at Beihang University provides to the engineers the knowledge and technical tools to be successful professionals in the field of space technology.

§ KULKARNI,ADVAIT (Republic of India)

"MASTA program at Beihang University was truly a complete and unique learning experience. The work ethics followed at all the labs and working groups were really high. Research freedom given in this program were refreshing and supporting. Prompt support provided for attending the conference was very helpful and motivating. This program is very well designed, however needs more attention to the development of satellite communications."



RCSSTEAP (China) Activities

Students of RCSSTEAP Participated in Activities of the 1st "Space Day of China" Activity

On April 24th, 2016, the first celebration of "Space Day of China" ceremony was held in Sunrise Concert Hall at Beihang University, the theme being "Chinese Dream, Space Dream". It was jointly organized by Ministry of Industry and Information Technology (MIIT), State Administration of Science, Technology and Industry for National Defence, PRC, and China National Space Administration.

Mr. Ma Kai, a member of the Politburo Standing Committee of the CPC Central Committee and Vice Premier, Mr. Xu Kuangdi, Vice Chairman of the 10th CPPCC national committee, Mr. Miao Wei, Minister of Ministry of Industry and Information Technology (MIIT), Mr. Xu Dazhe, Deputy Minister of Ministry of Industry and Information Technology (MIIT), Director of State Administration of Science, Technology and Industry for National Defence, PRC and Administrator of China National Space Administration (CNSA), Mr. Zhangjun,

Chinese Academy of Sciences, Mr. Hu Hao, Chief Designer of the third China's lunar orbiter project, and Ms. Qi Yaqun, a student of Beihang University gave speeches respectively.

After the ceremony, the students of the Centre visited the exhibition held in Air & Space Museum and Gymnasium at Beihang University. And they then visited Beijing Aerospace TITAN Technology Co., LTD. in the afternoon.

Mr. Ni Jinsheng, the General Manager of Beijing Aerospace TITAN Technology Co., LTD. extended a warm welcome to the students and led the students' visit of Global Spatial Data Services to get a comprehensive understanding of TITAN products of aerospace remote sensing as well as the achievements in satellite data services, spatial data cloud services, industry-specific services and international cooperation. The students expressed their thanks and said that it was a meaningful visit and they benefited a lot.



Party Secretary of Beihang University, Mr. Xu Hui bin, the President of Beihang University attended the celebration ceremony. Students of the Centre were invited to attend.

The celebration ceremony was hosted by Mr. Xu Dazhe, Deputy Minister of Ministry of Industry and Information Technology (MIIT), Director of State Administration of Science, Technology and Industry for National Defence, PRC and Administrator of China National Space Administration (CNSA). Vice Premier Mr. Ma Kai read the important instruction of the first "Space Day of China" proposed by General Secretary Mr. Xi Jinping and Premier Mr. Li Keqiang, and then he delivered a speech. Mr. Sun Jiadong, an Academician of



Representative of RCSSTEAP Attended the 59th Session of UNCOPUOS

Mr. Weng Jingnong, Executive Director of the RCSSTEAP (China) attended the 59th Session of UNCOPUOS from June 12 to 18 as a member of the Chinese Government Delegation. Mr. Weng Jingnong introduced the website of RCSSTEAP (China) and progress of work, focusing on its design, functional structure and main content. In addition, he introduced the students now in the Centre and students enrollment in MASTA and DOCSTA programs of RS&GIS, GNSS and Space Law in 2016. Last but not least, he gave advice to promoting cooperation among the six United Nations Regional Centres and the activities related to "Unispace 50+". Other representatives from Austria, Italy and SGAC also gave speeches respectively under this subject.

UNCOPUOS has 83 member states currently with more than 30 observers like International Radio Union and World Meteorological Organization. Chinese delegation constituted of more than 10 representatives from Foreign Ministry, China National Space Administration, Chinese Academy of Sciences, CMSEO, Chinese Satellite Navigation Office, Chinese Society of Astronautics, China Academy of Space Technology, Shanghai Academy of Spaceflight Technology, Beihang University and so on.

Mr. Weng Jingnong and other Chinese representatives communicated with Simonetta Di Pippo, the Director of the Office for Outer Space Affairs (UNOOSA), Niklas Hedema, leader of Policy and Legal Affairs Department of UNOOSA and Dr. Luke, Project Manager of Regional Centre for Outer Space Affairs (UNOOSA). Ms. Di Pippo spoke highly of RCSSTEAP (China) and invited the Centre to participate in "UNISPACE 50+ Exhibition". Dr. Hedema invited representatives from the Centre to attend Space Law Symposium held

in Vienna from September 5 to September 8, 2016. Dr. Luke hoped that all regional centres make new contributions to "UNISPACE 50+" in 2018 actively and put forward his suggestions and ideas.

During the meeting, Mr. Weng Jingnong invited Mr. Sergio Camacho to deliver lectures at RCSSTEAP (China) and determined the schedule.

Mr. Weng Jingnong also communicated with representatives from Algeria, Oman, India, Pakistan, Nigeria, Sri Lanka and International Space University, which promoted the communication and understanding of regional centres and laid foundation for increasing new members of RCSSTEAP (China) in the future.

Mr. Weng Jingnong gave a lecture about construction, development and application of Beidou and international cooperation for resident groups and representatives of relevant international organizations in Vienna.



RCSSTEAP

Visit to Cooperative Partners

China Academy of Launch Vehicle Technology

On May 11th, 2016, representatives of RCSSTEAP visited China Academy of Launch Vehicle Technology (referred to as CALT). They visited Chinese Space Museum and then had a meeting with Yang Tiecheng, Deputy Minister of Human Resources of CALT and Vice President of Long March College of CALT, Zhou

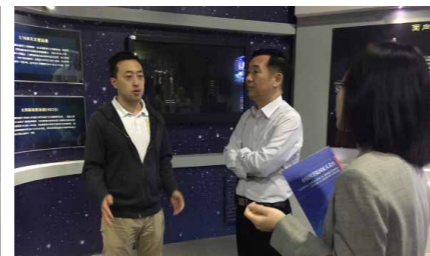
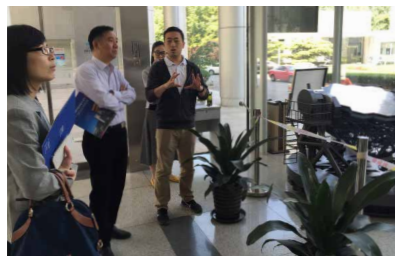
Shouming, Vice President of Long March College of CALT and related staff. At the meeting, both sides gave a general introduction of themselves and discussed related intentions and cooperation affairs. This visit defined the direction of cooperation between the two sides.



National Astronomical Observatories, Chinese Academy of Sciences

On May 6th, 2016, Mr. Weng Jingnong and two other representatives of RCSSTEAP visited National Astronomical Observatories, Chinese Academy of Sciences. Some issues about future

cooperation and students' professional visit were discussed. The Centre planned to organize students to visit Xinglong Astronomical Observatory.



China Space Foundation

On June 8th, 2016, representatives of RCSSTEAP visited China Space Foundation and exchanged ideas about future cooperation. Mr. Weng Jingnong, Dean of International School, Beihang University and Executive Director of RCSSTEAP, and Mr. Zhang Yujiang, Secretary General of China Space Foundation, introduced the Centre and China Space Foundation

respectively. Zhang Yujiang spoke highly of the Centre and reached a consensus on promoting development of international space science & technology education and space technology "going out". It laid a good foundation for the further cooperation between the two sides.

Representatives and Participants of CSSTEAP Attended the 3rd China International Satellite Service Business Matching and Microsatellite Commercialization Forum

On May 30th, 2016, representatives and 21 participants of CSSTEAP attended the 3rd China International Satellite Service Business Matching and Microsatellite Commercialization Forum jointly organized by International Alliance of Satellite Application Service and China Association of Remote Sensing Application in China National Convention Centre.

Chinese aerospace industry has been launched for 60 years since 1956. The theme of this session is "Global Utilization of Space-based Silk Road, International Service of Chinese Satellites". Commercial space and international cooperation, satellites services in "One Belt and One Road" was discussed deeply at the meeting.

Mr. Weng Jingnong, Executive Director of CSSTEAP was invited to host the forum of "Commercial Space and International Cooperation". He shared insights from the perspectives of how to promote globalization of Chinese satellite service through identifying regional development requirements, company internationalization and project financing, international cooperation and sharing model.

"Space technology was the most economical and efficient method to solve interconnection of wide-area information" was a core idea stressed at the meeting. Satellite networking should be carried well to provide users an all-round service with high quality.



Students of RCSSTEAP Participated in the 5th International Cultural Festival

On May 29th, 2016, "The Fifth International Cultural Festival of Beihang University" was held in the square in front of Air & Space Museum. Vice President Huang Haijun, some representatives of embassies and consulates in China, and representatives of International School

attended the opening ceremony.

Vice President Huang Haijun addressed the opening ceremony. He extended a warm welcome to all the guests for coming to the ceremony and noted that international education in Beihang University was committed to promote the cultural

integration of Chinese and international students through innovation, cross-cultural communication and characteristic education.

The International Cultural Festival included two parts, cultural exhibition and show. The students from different countries showed various cultures through pictures of scenery in their own countries, crafts, cuisine and distinctive instruments, clothing at the booth in front of Air & Space Museum. Then, international students performed folk dance and played instruments, attracting crowds of people.

The 5th International Cultural Festival was funded by AVIC International Holding Corporation and supported by Communist Youth League of Beihang University and embassies. Students from 33 countries set cultural booths. They brought us a cultural feast through art show and performance, cuisine and the like.

It is reported that there are now more than 1900 international students from 106 countries studying at Beihang University, of which more than 1000 are candidates for bachelor, master and doctoral degree.



Concert for New Classics of Yangqin Ensemble

The Concert for New Classics of Yangqin Ensemble, directed by Professor Liu Yuening and hosted by the Traditional Instruments Department of Central Conservatory of Music (CCOM), was held successfully at 701 Concert Hall of their Teaching Building on the afternoon of 22nd May, 2016. The international students of Beihang University were invited to this concert.

At the concert, Mi Xuanye, a graduate student of CCOM, together with the "Jasmine Ensemble" players, presented a wonderful performance which contained 7 pieces of world-famous classic music,

including the enthusiastic opening song "Lift Your Veil" as well as the touching Quintet "Sleepless Night". International students of Beihang were all moved and amazed by this concert because of the various playing forms of Yangqin and the skillful performers. The last piece "Hungarian Rhapsody" brought the concert to its climax. The audience could not help offering a storm of applause to the performers.

After the concert, international students of Beihang were invited to take a group photo with the performers on the stage.



Cooperation between RCSSTEAP and Editorial Department of Satellite Application

On May 31st, 2016, Qi Shoubing, Director of Editorial Department of Space International & Satellite Application, and Yun Min, Deputy Director of Beijing Institute of Space Science and Technology Information of China Academy of Space Technology visited RCSSTEAP. They reached a preliminary cooperation intention of building the Centre's education brand, popularizing aerospace knowledge and

spreading Chinese culture with Mr. Weng Jingnong, Executive Director of RCSSTEAP.

China Aerospace Science and Technology Corporation is in charge of Satellite Application. At the same time, it is a comprehensive monthly journal conducted by Beijing Institute of Space Science and Technology Information of China Academy of Space Technology. This journal is in line with the current situation

and aerospace industry development in China, publicizing national aerospace engineering, popularizing space technology transformation and satellite application. Besides, it tries to be a guidance for the decision making of the industry by building



satellite application bridge, interpreting satellite application policies, promoting satellite application technology and focusing on satellite application hot spots. It is now a professional journal with high quality and great influence.

The 1st Expert Group Meeting (EGM) of APSCO Space Curricula Development Program

The 1st Expert Group Meeting (EGM) of APSCO Space Education Curricula Development Project was jointly held by APSCO and RCSSTEAP on April 25-27, 2016 at APSCO Headquarters, Beijing, China. The meeting aimed at discussing the current status of Space Education in Member States (MS) and their demands and requirements.

About 16 distinguished delegates, professors and experts from universities of the Member States nominated by their respective countries and officials from APSCO Secretariat attended the meeting. All Member States namely Bangladesh, China, Iran, Mongolia, Pakistan, Peru, Thailand and Turkey actively participated in the meeting. RCSSTEAP prepared the meeting materials including the current education curricula of the postgraduate program on space technology applications at Beihang University and the Education Curricula recommended by UNOOSA, etc.

The opening session was hosted by Dr. Egemen Ozalp, Deputy Secretary General of APSCO. The opening was addressed by Dr. Mohammad Ebrahimi Seyedabadi, Director General of Education, Training and Database Management of APSCO

and the expert of RCSSTEAP Prof. Yang Dongkai from Beihang University.

The meeting was chaired by Prof. Qamar ul Islam from Pakistan, who was unanimously selected by the participants. Dr. Ebrahimi, DG of DET&DM of APSCO made a presentation on APSCO Education and Training activities, space curricula program background, and expected outcomes of the meeting to the participants. Prof. Weng Jingnong, Deputy Director of RCSSTEAP made presentations on the background studies on UN Curricula initiatives and International Space University (ISU) Space Programs and also International Space Education at Beihang University.

Delegates from Member States made a presentation each on the current status of space education in MS and the demands and requirements by them for curricula development. Experts of RCSSTEAP Mr. Yang Dongkai, Mr. Gao Qiang, Mr. Huang Hai, Ms. Tan Yumin and Mr. Gao Guozhu made presentations on the current education curricula on Space Technology Applications offered by Beihang University. Member States made agreement on documents—Minutes of Meeting and proposed establishing a Working Group on Space

Education and Curricula Development for future activity on education program and curricula development.

At the end of the meeting, the Secretariat of APSCO thanked the chairman of the meeting and all experts from MS for their active participation, efforts and dedication to the meeting. Chairman of the Meeting gave his concluding remarks and thanked all for their positive contributions. He announced that all participants from



Poster Design Contest for Space Day of China Announcement of the awards

On March 8th, 2016, the State Council approved to declare April 24 as China Space Day.

In order to broaden the influence of China Space Day, uphold and endorse the astronauts' spirit and spread the knowledge of aeronautics and astronautics, RCSSTEAP, International School, and Department of Industrial Design in Institute of mechanical engineering and automation of Beihang University, jointly held the Poster Design Contest for China Space Day.

The contest attracted teachers and students from universities at home and abroad, aerospace fans of all ages were involved and aroused the society's enthusiasm for scientific exploration. More importantly, it promoted China's consistent principle of peaceful use of outer space

MS agreed on the Minutes of Meeting (MoM), and the meeting was successfully concluded.

Experts of MS expressed their appreciation to RCSSTEAP/Beihang University/APSCO Education and Training Center in China for co-organizing the meeting. All participants expressed their pleasure for sharing information, knowledge and experiences of each other for developing collaboration among MS.

and strongly carried forward the Chinese astronauts' spirit.

On April 27, 2016, the award ceremony of Poster Design Contest for Space Day of China was held in the meeting room of RCSSTEAP. Prof. Weng Jingnong, Executive Director of RCSSTEAP, Mr. Gong Haoqing, Planning Director of RCSSTEAP, Ms. Wang Xin, Brand Designer of RCSSTEAP, staff of RCSSTEAP and 8 winners attended this ceremony.

The Contest Reviewing Committee was made up of leaders, teachers and students from RCSSTEAP, International School, and Department of Industrial Design in Institute of Mechanical Engineering and Automation of Beihang University.

After careful evaluation, the committee gave awards as follows.



First Prize

§ School of New Media Art and Design, Yan Peiyao, China Space Day

Second Prize

§ School of Energy and Power Engineering, Liu Sibao, Poster in Memory of the Establishment of China Space Day

§ School of Mechanical Engineering and Automation, Chu Ruihang & Meng Xin, Youth year for the sky, even reed leaf can support the journey

Third Prize

§ School of Mechanical Engineering and Automation, Wang Yinglin, Dongfanghong-4.24

§ School of New Media Art and Design, Li Jiaqi, Poster for China Space Day

§ New student of Beihang University, Anzhela ZARIPOVA, China Space Day

The Best Creative Award

§ School of Biological Science and Medical Engineering, Xu Weihao, Aerospace Has the Color of Dreams

The Best Promising Award

§ The High School Affiliated to Renmin University of China, Lei Tianyang, China Space Day, Space City

The Most Popular Award

§ School of Mechanical Engineering and Automation, DaiJianan, Poster in Memory of the Establishment of China Space Day

The Most Influential Awards

§ Northwestern University, Sophie Chen, Dreaming of Space

Selected Works

§ School of Computer Science and Engineering, Peng Xitan, Trilogy of Exploring Space

§ School of Astronautics, Che Xuejiao, The Space Dream The Chinese Dream

§ School of New Media Art and Design, Wang Jiaxin, China Space Day

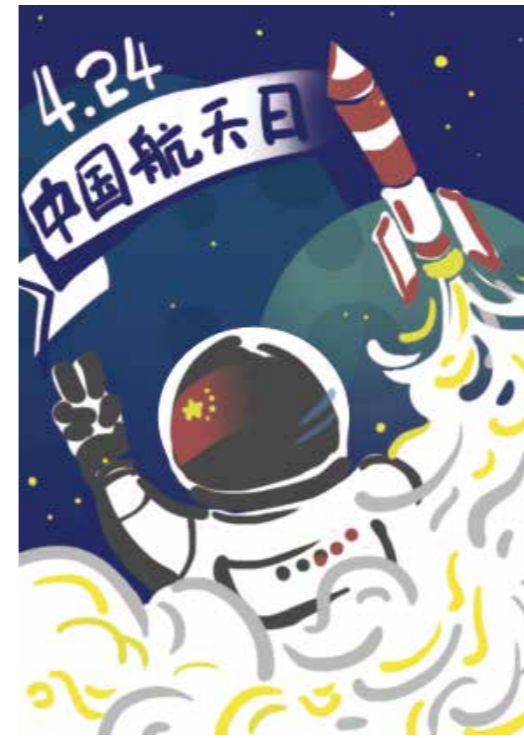
§ School of Transportation Science and Engineering, Li Lijun, Hope of Dandelion

§ Honors College of Beihang University, Lin Jiaxin, The Beginning of the journey

§ School of Mechanical Engineering and Automation, Wang Yinglin, New Journey, China Sets Sail

§ School of Energy and Power Engineering, Liu Sibao, Poster in Memory of the Establishment of China Space Day

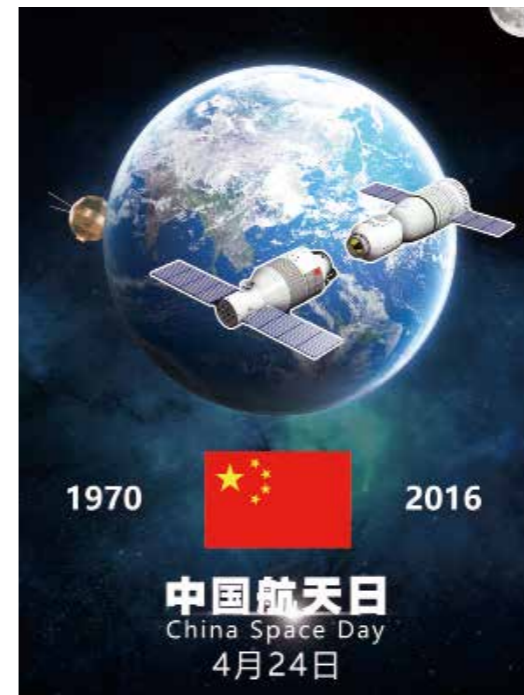
§ New student of Beihang University, Anzhela ZARIPOVA, China Space Day



School of New Media Art and Design, Yan Peiyao, China Space Day



School of Mechanical Engineering and Automation, Chu Ruihang & Meng Xin, Youth year for the sky, even reed leaf can support the journey



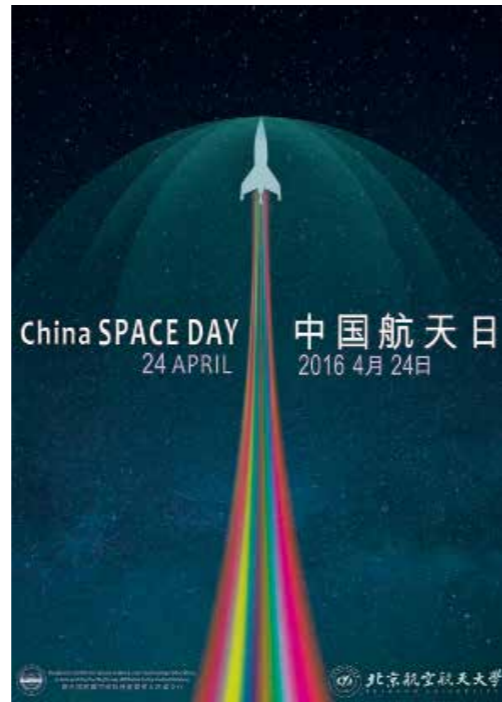
School of Energy and Power Engineering, Liu Sibao, Poster in Memory of the Establishment of China Space Day



School of Mechanical Engineering and Automation, Wang Yinglin, Dongfanghong- 4.24



School of New Media Art and Design, Li Jiaqi, Poster for China Space Day



New student of Beihang University, Anzhela ZARIPOVA, China Space Day



Conference among the Belt and Road Countries about BDS Services

On the afternoon of May 10th, 2016, a conference among The Belt and Road Countries about BDS Services organized by RCSSTEAP and Academic Exchange Center of China Satellite Navigation Office (CSNO-AEC) was held in the No.8 conference room of the Conference Center in New Main Building of Beihang University. Prof. Weng Jingnong, Deputy Director of RCSSTEAP, Dean of International School of Beihang University hosted the conference.

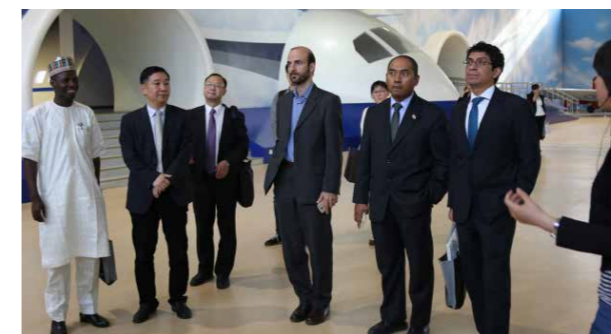
This conference is a preparation meeting of Expert Dialogue among The Belt and Road Countries about BDS Services which will be organized during the China Satellite Navigation Conference (CSNC 2016). This year's CSNC was held in Changsha from 18th to 20th May 2016. Present at this conference were officers from Embassies of Nigeria, Iran, Brazil, Peru, Pakistan, Brunei and Laos, leaders and staffs of China Satellite Navigation Office (CSNO) as well as leaders and professors of Beihang University.

Firstly, Mr. Weng Jingnong introduced the guests and made the welcome address. Dr. Wu Haitao, Senior Consultant of CSNO and Chief Engineer of Satellite Navigation Headquarters, Chinese Academy of Sciences, Ms. Hao Weina, Vice Director of CSNO-AEC, Deputy Secretary-General of China Satellite Navigation Conference Organizing Committee, and Mr. Weng Jingnong delivered their speeches. They mainly introduced BeiDou System and Applications, China Satellite Navigation Conference (CSNC), China Satellite Navigation Office Academic Exchange Center(CSNO-AEC) and China Satellite Navigation Office BeiDou/GNSS

International Communication and Training Center. The guests also showed their perspectives and had a heated exchange and discussion.

After the conference, all guests took a Group Photo in front of the New Main Building and visited Air and Space Museum as well as BeiDou Exhibition hall.

From 18 to 20 May, 2016, the China Satellite Navigation Conference (CSNC 2016) was held successfully in Changsha, China. It incorporated a wide range of activities such as academic exchange, high-end forums, exhibition as well as science popularization. Representatives of RCSSTEAP were invited to attend.



Education and Training Programs

Pilot Project

23 students of 2015 MASTA Program majoring in RS&GIS, GNSS and Micro-Satellite Technologies had been engaged in Pilot Project since the beginning of 2015 spring semester. After three-months busy work from March to May, students completed their project conclusion defense during May 31 to June 3 2016. All groups

submitted their final reports and showed their posters for exchange of ideas. Pilot Project is focusing on training the students to put the knowledge and skills to practice. The project is encouraged to be carried out in teams to provide the students a chance to complete a task with teammates for developing the teamwork spirits.



Thesis Defense

17 master's candidates majoring in RS&GIS, GNSS, Micro-Satellite Technologies and 2 doctoral candidates majoring in Space Technology Applications completed their thesis defense in June

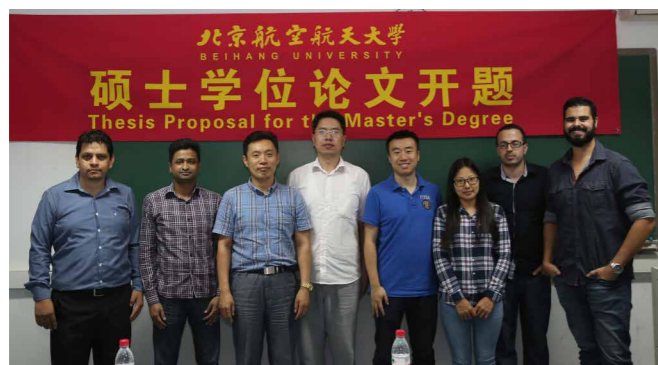
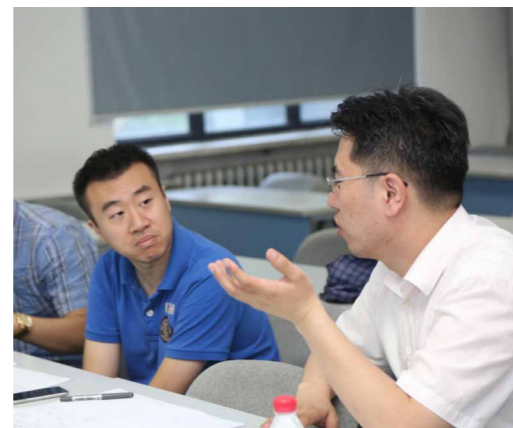
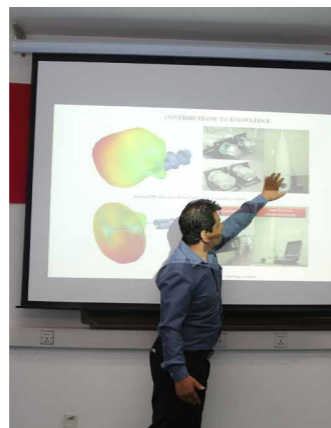
2016. All of them passed the thesis defense and degree evaluation, and were successful in acquiring the degree of Master/Doctor of Engineering conferred by Beihang University.



Thesis Proposal

23 students who registered in 2015 for MASTA Program majoring in RS&GIS, GNSS and Micro-Satellite successfully completed their thesis proposal defense from June 27 to 30, 2016. A panel of supervisors reviewed the literature reviews and thesis proposal reports submitted by the students and gave comments and advice accordingly. Most of the students' research topics are closely related to

the requirements of space technology applications and practical space technology application projects in their home countries. Two students will conduct their thesis research in their home countries, and the others will conduct their research at Beihang University. Students of MASTA 2015 Program are expected to graduate in June 2017.



Enrollment of MASTA & DOCTSTA Students in 2016

The Centre enrolled master and doctoral students majoring in three academic fields in 2016, including RS&GIS, GNSS and Space Law and Policy. The new semester will start from early September. The Centre received 74 candidates' materials from 16 countries recommended by member states of APSCO, contracting parties and partners of RCSSTEAP. After stringent review of

application materials and online interviews, the enrollment has been completed successfully. 59 students have been offered admission, including 45 master's candidates and 14 doctoral candidates (as the table shows below). 50 of them were awarded the Full Chinese Government Scholarship; the other 9 obtained the Scholarship of Beihang University.

Enrollment of MASTA & DOCTSTA Students in 2016

Program	Major	Number of Candidates	Countries
MASTA	RS&GIS	15	Algeria, Bolivia, Venezuela, Indonesia, Thailand, Turkey, Pakistan, Mongolia, Bangladesh, Iran, Peru
	GNSS	17	Algeria, Brazil, Bolivia, Venezuela, Thailand, Turkey, Pakistan, Mongolia, Bangladesh, Iran, Peru, Croatia, Nigeria, Ukraine
	Space Law and Policy	13	Brazil, Bolivia, Venezuela, Thailand, Turkey, Pakistan, Mongolia, Iran, Nigeria
DOCTSTA	Space Technology Applications	14	Venezuela, Indonesia, Myanmar, Thailand, Pakistan, Mongolia, Iran, Bangladesh, Nigeria



Capacity Building

Editor's Notes: Since RCSSTEAP was established, it has improved capacity building by developing participants & experts data base, launching the official website (English and Chinese versions), perfecting the office environment and the like, altogether which aims at promoting the Centre .

Office Environment Perfection

In order to provide a better environment for studying and working, the Centre plans to have renovation, cleaning and maintenance during the summer vacation. New environment will be designed to inspire students' learning enthusiasm, improve staffs' work efficiency, establish a better brand image and enhance the influence of the center culture.

The design plan has taken two months to finalize, which will be optimized from the following three aspects:

1. Space: the Centre will be divided into four areas; staircase wall, classroom, Chinese culture experience area and

corridor exhibition area. Different areas will be designed according to different functions.

2. Chinese Culture Exhibition: Chinese culture will be displayed in corridor area, according to floor distribution, showing China space history, scientific and technological achievements of ancient China and Chinese and Western cultural exchanges.

3. Center Cultural Exhibition: collection and reorganization of center's historical materials and brand building information as references for design.

§ Front and hall: Installing light sign of "INTERNATIONAL SCHOOL" and renewing the middle part of the wall in gray with screens and sign.



Front



Hall

§ Meeting Room: Redesigning the wall in the front of the room in professional style.



The Wall of Meeting Room

§ Chinese Cultural Experience Centre: A room for calligraphy, tea ceremony and meeting, decorating with wooden materials.



Chinese Cultural Experience Centre



End of the Corridor

§ Lobby: Decorating with "Down to the Earth While Aiming High" in multiple languages with white three-dimensional forms.

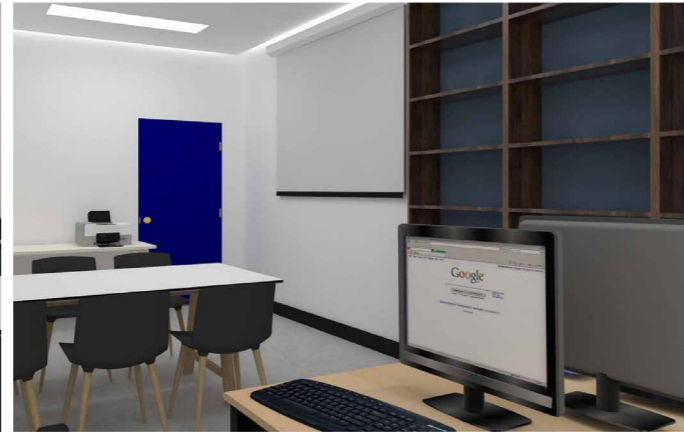


Lobby

§ Seminar Room: A room for experts' office and students' discussion, improving the utilization of space in design.



Seminar Room



Seminar Room

§ Classroom: Repairing sockets and blackboard wall; Setting "Students' Work Show" Wall.



Blackboard



Display Wall

New Columns on RCSSTEAP Website

The official website (English and Chinese versions) of RCSSTEAP was formally launched on 25th March, 2016. It has run more than three months now with the hits rate rising gradually. Increasing number of friends from all over the world

1. Selected Paintings on China's Space Exploration

"Selected Paintings on China's Space Exploration" has been added to "Gallery" section, which is at the bottom of the home

know us through the website. To enrich the website, subsections are now being added and updated based on the six main ones "About us, News&Notice, Programs, Admission, Capacity Building, Study, Campus Life and Publications".

page. In June, 2015, "Paintings on China's Space Exploration—Flying with the Wings of art", which was hosted by China National

Space Administration and organized by RCSaSTEAP, was successfully exhibited in the Mozart Hall of Vienna International Center. This Painting Exhibition aims at presenting our achievements on space

explorations and fruits of human wisdom and civilization, improving soft power of aerospace, and popularizing Chinese aerospace spirit.

图片库



EQUATORIAL ARMILLAR



IMAGINED ARMILLAR



"Zhou You" (spacecraft) flying in the outer space



BeiDou Navigation Satellite System

2. Our Partners

With the development of RCSSTEAP, we have an increasing number of partners now, such as Asia-Pacific Space Cooperation Organization, International Centre on Space Technologies for Natural and Cultural, National Disaster Reduction Center of China, Shanghai Academy

of Spaceflight Technology, Long March College of China Academy of Launch Vehicle Technology, China Siwei Surveying and Mapping Technology Co. Ltd, Beijing Aerospace TITAN Technology Co. Ltd. "Our Partners" under "About us" provides more detail information about our partners.

Our Partners



3. Participants' Work

Participants' Work under the column of "Publications" records participants' academic growth courses, including papers

and team project posters. Browsing online and download options are both available.

Participants' Work

Total Papers Team Project Poster

Geostationary Satellites Tracking

By: (Tren) Chan Hong

Read Download

Space technology promote the life's quality

By: Ehsan Sherkhaghani

Read Download

"Space" for growth

By: Advait Kulkarni

Read Download

Participants' Work

Total Papers Team Project Poster

Soil Moisture Remote Sensing

Read Download

GNSS-R DATA PROCESSING SOFTWARE DESIGN

Read Download

Algorithms and techniques

Read Download

Orthophoto and DSM production

Read Download

4. Others

RCSSTEAP has been focusing on promoting the development of Science & Technology education and building cultural brand of "Aerospace" all the time in order to inspire people's passion

to explore the space. You can get the latest development of campus cultural construction of the Centre and admire the beauty of aerospace with us in this column.

[Download](#) [Logo](#) [Wallpaper](#)



Selected Paintings on China's Space



Poster Design Contest for China Space



Introduction

Hope you could learn more about RCSSTEAP according to the website. Wish you a pleasant aerospace journey starting from here. We are always on the way of space exploration, welcome you to join us and provide your comments and suggestions. Thank you.

RCSSTEAP

Participants Column

Editor's Notes: Graduation is filled with joy and sadness. Please remember their bright faces instead of saying goodbye. We dedicated to render the Participants Forum to all graduates of the DOCSTA 2013/ MASTA 2014. Wish them a brilliant future both in career and living.





Additional Words

This issue records the main works of RCSSTEAP from May to June, including International GNSS Seminar 2016 on BeiDou/GNSS Technologies and Applications, representative of RCSSTEAP attended the 59th Session of UNCOPUOS, 2016 enrollment, graduation activities and the like. In June, a group of graduates joined the long line of distinguished Beihang alumni and were inspired to make their own contribution to the world. Meanwhile,

everything has been running smoothly with respect to upgrading office environment, enriching Newsletter content, increasing website hits, bringing more partners and promoting a better brand image.

Your concern and support have always been our source of motivation, and your comments and suggestions are highly welcomed. We will continue issuing Newsletters of high quality.

Editor

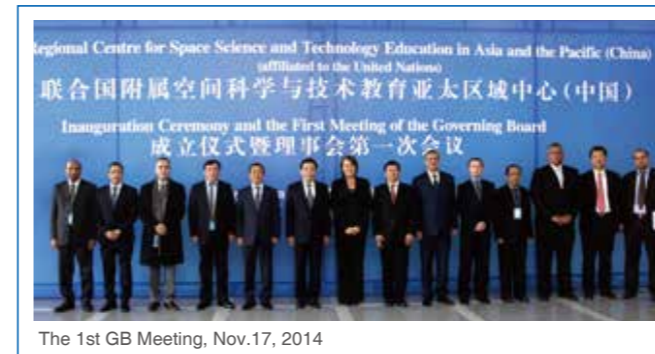
No.	Title	Name	Gender	Country	Affiliation&Title
1	Chairperson	XU Dazhe	Male	China	Administrator of China National Space Administration (CNSA)
2	Member	Houari Karim	Male	Algeria	Director of International Cooperation of Algerian Space Agency (ASAL)
3	Member	Felix Menicocci	Male	Argentina	Secretary General of Argentina National Commission of Space Activities
4	Member	Md. Delwar Bakth	Male	Bangladesh	Chairman of Bangladesh Space Research and Remote Sensing Centre
5	Member	Jaime Antonio Mendoza Gonzales	Male	Bolivia	Space Segment Engineer of Bolivian Space Agency (ABE)
6	Member	Jose Raimundo Braga Coelho	Male	Brazil	President of Brazilian Space Agency (AEB)
7	Member	Thomas Djamaluddin	Male	Indonesia	Head of National Institute of Aeronautics and Space (LAPAN)
8	Member	Muhammad Riaz Suddle	Male	Pakistan	Member of Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)
9	Member	Jose Julio Cesar Humberto Acuña	Male	Peru	Representative of National Commission on Aerospace Research and Development (CONIDA) of the Republic of Peru
10	Member	Victor Cano	Male	Venezuela	President of Bolivarian Agency for Space Activities of Venezuela (ABAE)

Name List of the Representatives of Observers

No.	Name	Gender	Affiliation&Title
1	Simonetta Di Pippo	Female	Director of United Nations Office For Outer Space Affairs (UNOOSA)
2	Li Xinjun	Male	Secretary General of Asia-Pacific Space Cooperation Organization (APSCO)

Name List of the Advisory Committee

No.	Name	Gender	Country	Affiliation&Title
1	Xu Huibin	Male	China	President of Beihang University



Campus of the Centre



Secretariat of the Centre

