

# NEWSLETTER

2019/Vol.003/Total Vol.019

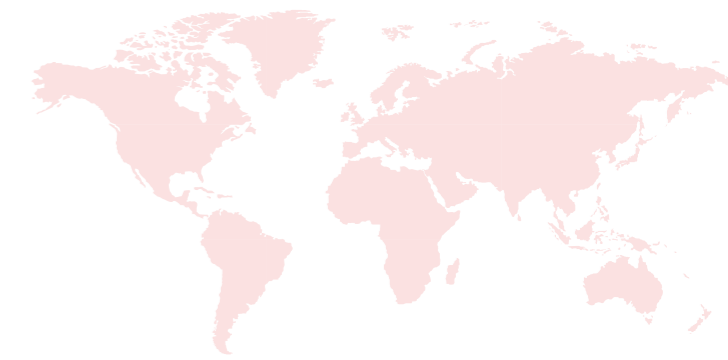
Exchange-Promotion-Development



**RCSSTEAP**  
5<sup>th</sup> Anniversary



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 cover picture is selected from works of "Poster Design Contest for China Space Day"

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## Practicing the Initiative on the Community of Shared Future & Promoting New Development of International Education Cooperation

The 18<sup>th</sup> National Congress of the Communist Party of China was successfully held in November 2012, which attached great importance on promoting the concept of “Community of Shared Future”. Comrade Xi Jinping, the newly-appointed general secretary of the CPC Central Committee, said at a meeting with foreign friends that the international community was becoming an interconnected “community of shared future”, where no country could survive on its own as confronted with the complicated economic situation and global issues. The far-sighted and promising proposal of General Secretary Xi Jinping has pointed out a prospective direction for the development of human society, provided a Chinese mode of thinking, demonstrated Chinese wisdom, conformed to the fundamental interests of all the nations, and was widely endorsed and appreciated by the countries around the world.

The world nowadays is increasingly multi-variant, diverse, and changeable, accompanied with more complex and frequent international disputes and conflicts. The proposal and advocacy of a community of shared future has the potential to eliminate disputes and conflicts to the greatest extent, smash hegemonism and unilateralism, and unite all the nations around the world. Only in this way can all the countries seek consensus through differences, pursue win-win cooperation in competition, and work together for a better future. The essence of the concept of a community of shared future for mankind lies in that the destiny of the world should be mastered by all the nations, with international rules compiled by all the nations, global affairs be governed by all the countries, and development achievements be shared by all the people. This concept, conforming with the sincere desires and sublime aspirations of the world striving for peace, development, cooperation, and progress, is actually the vision of a better future made by China to the world. It requires people from all over the world to work together and make unremitting effort toward it.

International education cooperation is an important work to promote the establishment of the community with shared future for mankind. As a window for the world to know about China, Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (Affiliated to the United Nations) has facilitated the cultivation of international professionals for space technology application, and developed into the bond and bridge for China to strengthen cultural communication and technological cooperation with the world. The Centre has cultivated two hundred and thirty-seven (237) master and doctoral students for twenty-four (24) developing countries, and held more than twenty (20) short-term training programmes, with a sum of nearly one thousand (1,000) participants from sixty-four (64) countries being trained five (5) years since its establishment. Participants from different countries here learn from each other and make progress together, achieving a harmonious coexistence of cultural diversity and varieties, gaining more profound understanding and respect for the culture, systems, and patterns of their own countries and that of China. With the continuous expansion of the international student teams, we believe that the concept of the community of shared future for humanity advocated by China will be disseminated in more places of the world.

The world is of Great Harmony with diverse differences and mankind is a community of shared future. On the march of promoting the community and seeking common development of the world through educational cooperation, we are all dream-seekers!

## Special Focus

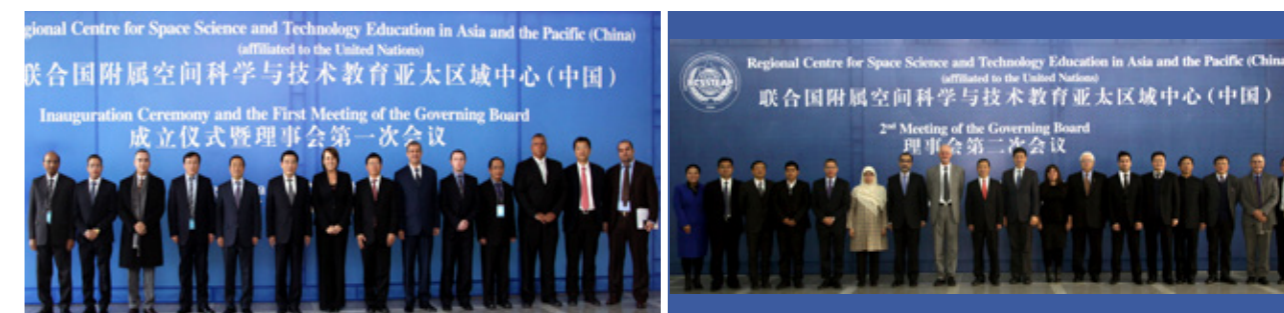
### ※ Editor's note

All this time, the Centre, based on “Programme on Space Applications”, has been continuously expanding training topics to build its international education brands. Furthermore, the Centre contributes a lot in strengthening culture construction: holding activities like “Journey of Chinese Aerospace Technology and Culture” which have become the highlight of the Centre and gained wide appreciation and recognition from participants and personage of various communities. This column concentrates on the educational development of the Centre, demonstrating highlight activities and showing stories of talent cultivation in space science and technology.

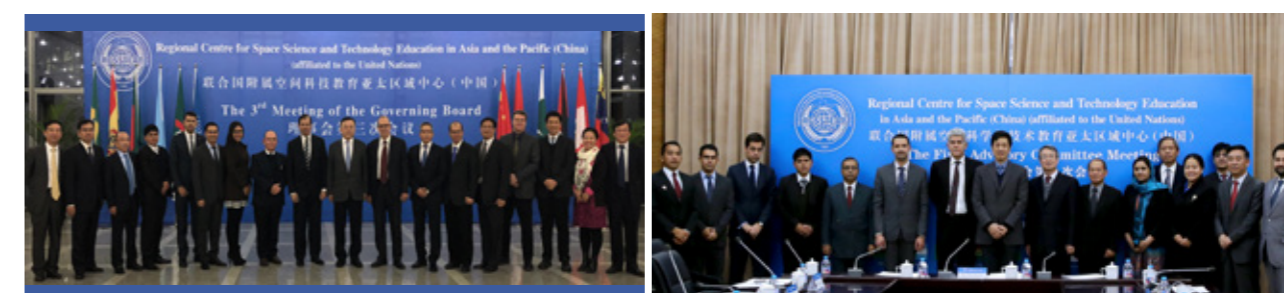
### — Series Review of the 5<sup>th</sup> Anniversary of the Centre

#### ※ The Governing Board and the Advisory Committee

The Governing Board is the principal policy-making organ of the Centre. Each Contracting Party designates one (1) representative as the Member of the Governing Board. The Governing Board determines the policy; approves the long-term plan, the annual programs and the budget submitted; and appoint the Director and the Executive Director of the Centre. The regular meetings hold one (1) time every two (2) years. The candidate of the Chairperson shall be recommended by the host country and elected by the Governing Board. Since the establishment of the Centre, meetings of the Governing Board have been held three (3) times in 2014, 2015 and 2017, and the 4<sup>th</sup> Meeting of the Governing Board will be held in Beijing in early December this year.



The Advisory Committee is composed of experts from government organs, universities, research institutions and industrial communities. It mainly provides the advisory opinions to the Governing Board on medium and long-term development strategy and plan, institutional settings and disciplines construction of the Centre, curricula and training plan of major concerned, internal evaluation of the operation of each direction, and external academic exchange and cooperation activities. The Advisory Committee Meeting holds every two (2) years. The current chairman is Prof. Dr.-Ing. Xu Huibin, President of Beihang University. The first and second meetings of the Advisory Committee were held in 2016 and 2018.



The Centre, affiliated to the United Nations, was established at Beihang University on November 17, 2014. It is responsible for Ministry of Industry and Information Technology of the People's Republic of China (MIIT) and China National Space Administration (CNSA). The Director shall take responsibility for the Centre under the leadership of the Governing Board.



### ※ Degree Programmes

In response to the UN initiative "Promoting peaceful use of space technology for the benefit of all mankind", contribute to the implementation of "Programme on Space Applications" promoted by COPUOS, and meet the education needs of the Asia-Pacific area in the field of space science and technology, the Centre takes its own advantages to advance education and training in the field of space applications in degree and non-degree programmes, and carry out appropriate academic exchanges and consulting activities.



The degree programmes of the Centre include MASTA (master's programme) and DOCSTA (doctoral programme). MASTA is designed and customized according to the education curriculum recommended by the United Nations, combined with China's technical advantages in this field, as well as the subject characteristics and training requirements of Beihang University. The teaching language is English. The training requirements and process of DOCSTA are implemented in accordance with the regulations of Beihang University. On



the basis of meeting the requirements of professional credits, the participants are awarded the graduation certificate of Beihang University and the degree certificate of the People's Republic of China after their graduation thesis defense.

The main education fields of the Centre now include: Remote Sensing and Geographic Information Systems (RS&GIS), Satellite Communications, Global Navigation Satellite System (GNSS), Micro-satellite Technology, Space Law and Policy, Satellite Meteorology and Global Climate, Space and Atmospheric Science, etc.

To ensure high-quality academic education, in terms of curriculum content design, the Centre gives priority to the actual needs of countries in the Asia-Pacific region, gives full play to China's advantages in the field of space technology and application, and comprehensively cultivate participants' research and application capabilities in space technology. In terms of teaching team, all professors have overseas study background.

They are also equipped with domestic teaching experience and scientific research experience in space technology application. Besides the professors from Beihang University, the team also has other well-known professors at home and abroad. In terms of thesis, the participants are expected to choose their research topics which are closely related to the practical space technology and its application projects back at their countries, and complete the theses at the Centre or in their home countries.

Free Programmes 2015-2019 (MASTA & DOCSTA)



Degree Programmes 2015-2019 (MASTA & DOCSTA)



The course is modular in design and realizes the individualized customization of teaching plan according to different teaching needs. In addition, the distance education realizes diversification of teaching methods and education resources sharing through network. It promotes the international educational exchanges and cooperation.

At present, the Centre has cultivated two hundred and thirty-three (237) graduate students for twenty-four (24) developing countries. The participants, mainly recommended by ASPCO and related space departments of RCSSTEAP Member States, are the professionals or the backup talents in related fields of their home countries.

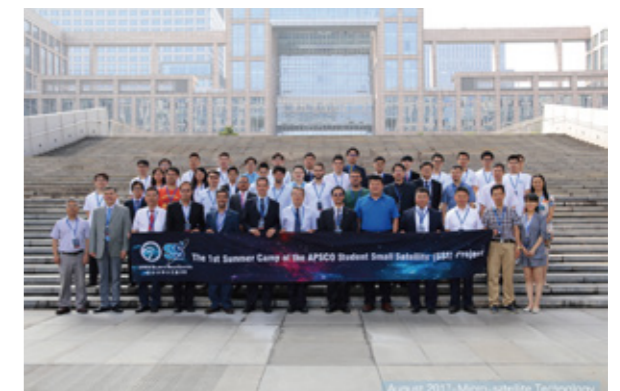
- Overall MASTA program is a very good program. It offer lots of learning either by its study program or through technical visits to various organization working in the field of Remote Sensing and GIS.
- The Space Technology Application Program on Global Navigation Satellite System (GNSS) course. It gathers the important knowledge in GNSS field and advances skill for GNSS application. Furthermore, I have opportunities to visit famous GNSS companies and the great experience to participate in the important conference in GNSS field.
- The staff and teacher who responsible to take care us are very good.

- During the program, being involved in symposiums, conferences, seminars, workshops and other activities is useful for students and evaluation of MASTA and DOCSTA programs.
- High resolution stereo image, and its processing is very useful for my future. Therefore, I recommending stereo image processing, UAV, IMU technology's courses based on china's satellites products instead of space policy, laws course.
- MASTA & DOCSTA are very useful for us and such programs should be continued.

### ※ Short Training Programmes

The short training programme is one of the Centre's highlights. While utilizing the resources of degree programmes, it actively expands cooperation with Ministry of Education, Ministry of Science and Technology, Ministry of Emergency Management, Ministry of Ecological Environment, Chinese Academy of Sciences, Asia-Pacific Space Cooperation Organization (APSCO), China Satellite Navigation System Management Office, Shenzhou Institute of CAST, Changzheng Institute of CALVT, and China Spacesat Co., Ltd., etc. Up to now, more than twenty (20) short training programmes have been held, covering a number of cutting-edge areas such as remote sensing technology, satellite navigation, space law and policy, BeiDou technology and application, etc.

Different from the degree programmes, short training programmes cover a wide range of new content. The programmes are held at least three (3) times per year. In addition to professors from Beihang University, experts from other domestic universities, research institutions, cooperative enterprises and foreign partners are invited to give lectures. Generally, each short training



programme lasts for two (2) weeks, including lectures, technical visits, student forums and other activities.

More than one thousand (1000) participants from sixty-five (64) countries have participated in the short training programmes so far. In addition, it has gradually become one of the channels for the Centre to select candidates for degree programmes now.

Short Training Programmes in 2015

Date	Topic	Number	Countries of Participants
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
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
Sept.17-25	Space Law and Policy	38	Bangladesh, Bolivia, Brazil, China, Egypt, Indonesia, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela

Participants in total: 111

Short Training Programmes in 2017

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
Aug. 14-Sept. 5	The First Summer Course of Beidou International Satellite Forum	47	Bangladesh, China, Iran, Mongolia, Pakistan, Peru, Thailand, Turkey
Oct. 29-31	Integration of Multisensor Earth Observation Data for Remote Sensing Assessment	45	Bangladesh, China, Fiji, Ghana, India, Indonesia, Iran, Kenya, Mongolia, Mozambique, Myanmar, Nigeria, Pakistan, Peru, 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, Peru, Thailand, Turkey, Venezuela

Participants in total: 205

Short Training Programmes in 2018

Date	Topic	Number	Countries of Participants
Apr. 11-23	GNSS	42	Egypt, Morocco, Tunisia
Apr. 12-24	Space Cooperation for Global Health	43	Bangladesh, Bolivia, Ethiopia, India, Iran, Italy, Madagascar, Mongolia, Nepal, Nigeria, Pakistan, Peru, Philippines, Russia, Taiwan, Venezuela, Zambia
Apr. 23-27	Beidou / GNSS	35	Algeria, Cameroon, Central African Republic, Morocco, Niger, Senegal, Tunisia
Sept. 26-29	Beidou / GNSS	141	Egypt, Lebanon, Sudan, Zambia
Oct. 22-26	Satellite Technology	32	Indonesia, Nigeria, Algeria and other Arab League countries
Oct.28 -Nov.01	Spaceborne/Technology Emergency response	27	Bangladesh, Brazil, China (Hong Kong), India, Iran, Laos, Mongolia, Mozambique, Pakistan, Peru, Thailand, Turkey, Vietnam

Participants in total: 242

Short Training Programmes in 2016

Date	Topic	Number	Countries of Participants
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
May. 8-20	International GNSS Seminars "GNSS Course for curious mind"	31	Algeria, Bangladesh, Bolivia, Brazil, China, Iran, Mozambique, Nigeria, Pakistan, Peru, Saudi Arabia, Thailand, Venezuela
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
Aug. 8-13	Global Navigation Satellite Systems	83	Cameroon, Ghana, Kenya, Libya, Nigeria, Sudan, Tanzania
Sept. 22-27	Space based Technologies for Flood and Drought Monitoring Risk Assessment	28	Bangladesh, China, Guatemala, India, Iran, Italy, Kyrgyzstan, Mongolia, Mozambique, Nepal, Mexico, Pakistan, Peru, Sudan, Thailand, Trinidad and Tobago, Turkey, Zimbabwe
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, Peru, Thailand, Turkey, Ukraine, Venezuela
Oct. 31 -Nov. 8	Navigation and Positioning Satellite System Design	31	Algeria, Bangladesh, China, Indonesia, Iran, Laos, Mongolia, Mozambique, Pakistan, Peru, Thailand, Turkey

Participants in total: 301



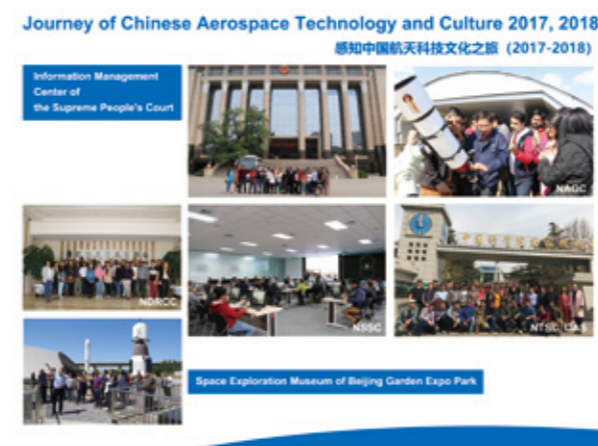
International Centre. In addition, the participants are organized to visit relevant scientific research institutions and enterprises, taking part in various activities to in professional, which is of great importance to maximize the advantages of industry-university-research cooperation. The participants are also encouraged to participate in "Journey of Chinese Aerospace Technology and Culture" and "Poster Design Contest for Space Day of China" organized by the Centre. Now, outreaches have been the key methods to enrich campus life and realize mutual understanding and multicultural integration.

In April 2017, Ms. Simonetta Di Pippo, Director of the United Nations Office for Outer Space Affairs (UNOOSA), visited the exhibition of "Poster Design Contest for Space Day of China", praising that this activity a positive significance in spreading space culture, while complimented the visibility and the international influence of Centre as leading the new development of the Regional Centres affiliated to the United Nations.

✧ Outreaches



It is an important initiative for international organizations to enhance their influence and popularity through outreaches. Over the past five (5) years, the Centre has actively used the multi-disciplinary advantages of Beihang University to expand cooperation with other universities, research institutions and relevant enterprises at home and abroad, integrate resources, innovate cooperation content and methods, and promote the combination of science and art. In June 2015, "Painting Exhibition on China's Space Exploration - Flying with the Wings of Art" was successfully held in the Mozart Hall of Vienna



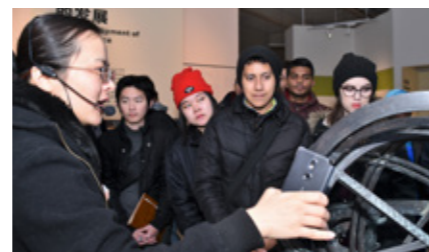
※ Partners

"Strengthen practice and value application" is one of the characteristics of the Centre's education. By adhering to the vision of "Openness, Innovation and Inclusiveness", the Centre has formed a new talent training mode - UGII, which is different from the traditional education mode. It means hosted by University, supported by Chinese Government, work with Related International Organizations (UNOOSA, APSCO, etc.) and Industry/Enterprise Participation.

Over the past five (5) years, the Centre has been expanding cooperation at home and abroad, strengthening exchanges with enterprises and integrating high-quality education resources of domestic and foreign partners. At present, the Centre has cooperated with more than thirty (30) well-known universities, research institutes and enterprises in education programmes. In addition, the Centre organized the participants to visit relevant scientific research institutions and enterprises, constantly strengthening the cooperation mechanism of "politics, industry, education and research". It also promoted the international development of the enterprise and received wide acclaim from partners.

At present, the Centre's partners include (in alphabetical order):

1. Asia-Pacific Space Cooperation Organization
2. Beijing Aerospace Titan Technology Co., Ltd.
3. Beijing BDStar Navigation Co.,Ltd.
4. Beijing Dong Gao Di Youth Science and Technology Museum
5. Beijing JinKun Innovation Technology Co., Ltd.
6. Changzheng Institute of China Academy of Launch Vehicle Technology
7. China Centre For Resources Satellite Data and Application
8. China Institute of Space Science and Technology Information
9. China Great Wall Industry Corporation
10. China Satellite Global Service Alliance
11. China Satellite Navigation Office
12. China Society of Astronautics
13. China Institute of Space Law
14. International Centre on Space Technology for Natural and Cultural Heritage
15. International Teenager Competition and Communication Center
16. Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences
17. Land Satellite Remote Sensing Application Center, MNR
18. National Astronomical Observatories, CAS
19. National Disaster Reduction Center, Ministry of Emergency Management
20. National Satellite Meteorological Centre
21. National Space Science Center. CAS
22. National Time Service Center, CAS
23. Space Debris Monitoring and Application Center of CNSA
24. Shanghai Academy of Space Technology



25. Shenzhou Institute of China Academy of Space Technology
26. SuperMap Software Co., Ltd.
27. Information Management Center of the Supreme People's Court of the People's Republic of China
28. Transinfo Science and Technology Co., Ltd.
29. Twenty First Century Aerospace Technology Co., Ltd.
30. Beijing UniStrong Science & Technology Co., Ltd.
31. United Nations Platform for Space-based Information for Disaster Management and Emergency Response Beijing Office
32. Zhongke Remote Sensing Technology Co., Ltd.

In 2018, Beihang University was awarded the Best Space Education Cooperation Institute by APSCO. In 2019, Beihang University was awarded Valuable Contributions by UN-SPIDER Beijing office.



## Meetings

### ※ Editor's note:

In order to follow the updates of development of the space science and technology closely, and to promote the improvement of the Centre, representatives of the Centre participate in the conference of the Committee on the Peaceful Uses of Outer Space (COPUOS) actively, promote the establishment of Alliance of Regional Centres (ARC), and provide suggestions on peaceful use of outer space. Meanwhile, the Centre tries to offer participants more opportunities to attend international conferences on Space Technology, encourages them to speak on the international stage and broadens their international horizons, which will help to expand the influence of the Centre in return.

### ※ New Space · Smart Future – 2019 BeiDou Application Seminar

On July 20, 2019, "New Space · Smart Future – 2019 BeiDou Application Seminar" hosted by BeiDou (Jining) Open Laboratory was successfully held in High-tech Zone of Jining. Mr. Weng Jingnong, Executive Director of the Centre and Dean of International School, Beihang University, was invited to attend it. This seminar focused on the new ideas and new achievements of BeiDou system in the application of smart city. It is hoped to jointly promote the development of BeiDou smart city application, and make urban life more convenient and comfortable.

At the meeting, Mr. Weng Jingnong said that with the steady development of global networking and application of BeiDou Satellite Navigation System, BeiDou precision service has been widely used in the construction of smart cities. BeiDou International Exchange and Training Center and Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (Affiliated to the United Nations) make contribution to the construction and development of BeiDou system in the aspect of education. We hope to continue to expand international communication channels and cooperate with universities and research institutions at home and abroad to make China's BeiDou become the world's BeiDou.



### ※ Welcome Meeting on Mid Autumn Festival for MASTA&DOCSTA 2019

On September 12, 2019, Welcome Meeting on Mid Autumn Festival for MASTA&DOCSTA 2019 was held at the Centre.

First of all, Mr. Weng Jingnong, Executive Director of the Centre and Dean of International School, Beihang University, gave a detailed introduction to the basic situation, development history and organizational structure of the Centre. He expressed his welcome and expectations for the new participants and encouraged them to make good use of the Centre.

Later, Ms. Yang Fan, Program Manager of the Centre, introduced the Centre's infrastructure, official website, annual activities and other arrangements to the participants, and organized them to select a monitor and set up a class WeChat group. This group is to ensure the smooth flow of information and help to timely solve the problems in everyone's study and life. In addition, She also introduced the upcoming Chinese traditional festival Mid Autumn Festival and some useful Apps.

Finally, Ms. Guo Yuanyuan, Program Director of the Centre, gave a systematic introduction to the training plan and course selection, and distributed the academic schedule brochure. She encouraged the participants to devote themselves to the intense and interesting study.

In September 2019, the Centre enrolled fifty (50) participants in the fields of CS&GNSS, RS&GIS, and Micro-satellite Technology in total, with forty (40) in MASTA Program and ten (10) in DOCSTA Program. The participants are mainly recommended by ASPCO and related space departments of RCSSTEAP Member States. Being the professionals or the backup talents in related fields of their home countries, these participants are from sixteen (16) different countries including Algeria, Bangladesh, Bolivia, Brazil, Egypt, Iran, Jordan, Mongolia, Myanmar, Nigeria, Pakistan, Peru, Spain, Togo, Turkey, Venezuela.



## Education and Training Programs

### ✧ Editor's note:

Educational training is the core of the Centre work, which includes postgraduate degree programs and short-term training programs. In 2019, the Centre provides three (3) educational fields for postgraduates: Remote Sensing and Geographic Information System (RS&GIS), Satellite Communications and Global Navigation Satellite System (SC&GNSS) and Micro-satellite Technology.

In order to share the resources, promote the efficiency, and enjoy a win-win cooperation, the Centre jointly organized short-term training programs with its partners and other Regional Centres and began to carry out science education training for young people, which gained expanding influence.

### ✧ International Training Course on Space-based Technologies for Disaster Risk Assessment

From September 5 to 10, 2019, jointly organized by UN-SPIDER Beijing Office, Asia-Pacific Space Cooperation Organization (APSCO) and the Centre, International Training Course on Space-based Technologies for Disaster Risk Assessment was held at the Centre.

Experts from UN-SPIDER, Delta State University, National Disaster Reduction Center of China (NDRCC), SuperMap Software Co., Ltd., Airbus, Economic and Social Commission for Asia and the Pacific were invited to give lectures. It aimed to improve the participants' ability to use space technology for disaster prevention and mitigation, and promote exchanges and cooperation among different countries.



The training covered remote sensing, satellite data sources, emergency response mapping, etc. A total of twenty-eight (28) participants from fourteen (14) countries attended the training. The participants were mainly from national disaster management centers of various countries and related institutions, the Member States of APSCO. Some participants of the Centre also attended it.

The opening and closing ceremonies of the training were held at the Centre and NDRCC respectively. Although the training time is short, the participants felt that they had learned a lot of new knowledge and skills in disaster reduction and prevention, which would be helpful to them for taking advantages of the space information technology to reduce and prevent the disaster in their home countries.

### ✧ Beihang University Successfully Completed English Proficiency Test for CNSA

On September 26, 2019, the English proficiency test of seconded personnel selection for CNSA was held at Beijing University. This English test was organized by the Centre. Eleven (11) applicants from different organizations across China participated in the test. The test was divided into written test and interview. It comprehensively examined the ability of candidates in listening, speaking, reading and writing to select the staff meeting the requirements of the positions related to international cooperation and exchange of CNSA.

CNSA and the Centre specially invited Ms. Liu Shuyan from School of Foreign Languages of Beihang University and Ms. Sun Jiayi from UN-SPIDER Beijing Office as judges for the interview.





## ※ Beihang Experts Gave Lectures for 2019 International Training Workshop on Capacity Improvement of Addressing Climate Change through Space Technology

From September 16 to 29, 2019, 2019 International Training Workshop on Capacity Improvement of Addressing Climate Change through Space Technology organized by Ministry of Ecology and Environment was held in Beijing. More than ten (10) experts from China National Space Administration, Shenzhou College of China Academy of Space Technology, Aerospace Dongfanghong Company and Beihang University as lecturers were invited to give lectures. It aimed to promote the ability of addressing climate change through space technology in developing countries, especially small island countries.

On the 26<sup>th</sup>, the participants came to the Centre for study and visit. In the morning, Mr. Weng Jingnong, Executive Director of Centre and Dean of International School, Beihang University, gave a lecture on "Programme on Space Applications and Its Actions by the United Nations". In the afternoon, Mr. Jin Tian, GNSS Expert of the Centre, an expert in navigation direction of Center and Associate Professor of School of Electronic and

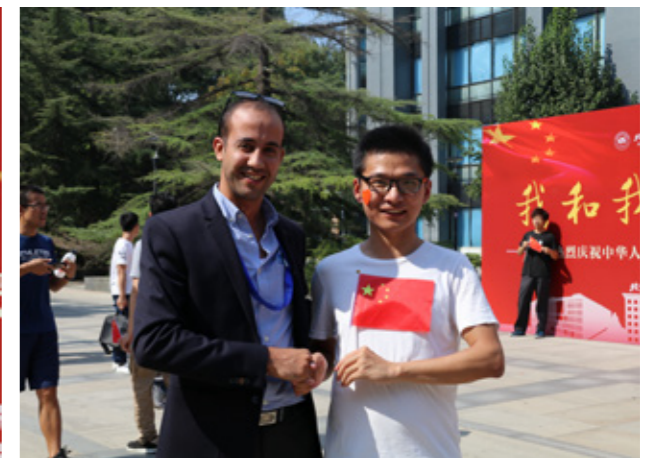


Information Engineering, Beihang University gave a detail introduction to "BeiDou Navigation Satellite System and Its Applications". The participants said that their one-day study in Beihang, namely the "Beihang day" Activity, helped them understand the cutting-edge information of the UN space technology applications. They also gained a more intuitive understanding of China's BeiDou, broadened their international vision and benefited a lot.



At noon, using the gap between courses, the participants visited the Centre and Beihang campus. At that time, it was the 70<sup>th</sup> anniversary of the founding of the People's Republic of China. The participants took photos with Chinese students who took part in the celebration activities on campus, and actively accepted the interview from Beihang Student Press Group, expressing their congratulations to China and appreciating the beautiful campus of Beihang. Mr. Kwame Adu AGYEKUM, a Lecturer of University of Ghana, said, "It is my first time to be here in China, I like it very much. The campus of Beihang University is very beautiful. I hope that my children will have the chance to come here to study!"

A total of twenty-nine (29) participants from fourteen (14) countries (Argentina, Bangladesh, Cambodia, Cameroon, Chile, Ecuador, Egypt, Ghana, Kenya, Malaysia, Morocco, Namibia, Senegal, Thailand, Tunisia, Turkey, Zambia) participated in it. The participants from various countries are mainly officials in the field of climate change and technicians from scientific research institutions in the field of aerospace.



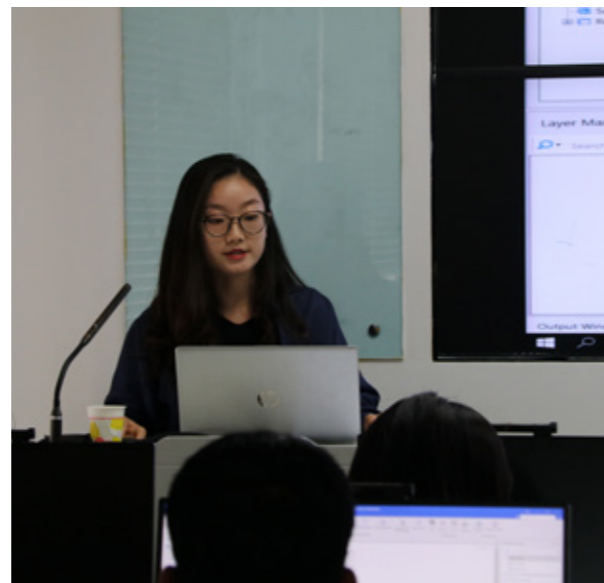
## ❖ SuperMap Software Training

On October 12, 2019, SuperMap Software Training was held at the Centre. Twenty-three (23) new participants majoring in RS&GIS attended it.

At the beginning of the training, Mr. Li Qinxu, Business Manager of SuperMap Software Co., Ltd., introduced the company in detail, including the organization, technology development, international and domestic cooperation, resources and software functions, etc.

Then, Ms. Chen Yue, Technical Support Engineer, introduced the use of SuperMap iDesktop and the NET 9D. The participants drew their own maps based on their own vector data.

SuperMap GIS is developed by SuperMap Software Co., Ltd., and it is a complete integration of a series of GIS platform software, including Desktop GIS, Service GIS, Component GIS and Mobile GIS platforms and spatial data production, processing and management tools. Through continuous technological innovation, market exploring and experiences accumulation, SuperMap GIS has constructed a good GIS software brand with full angle, and strong functions which can meet different requirements for a wide range of industries, and it has been deeply applied in each GIS industry in China, inspiring a large number of secondary development companies.



## Cooperation and Exchanges

### ❖ Editor's note:

In order to expand the influence of the Centre and promote long-term sustainable development, the Centre actively expands international exchanges and cooperation and seeks new partners. Recently, a number of domestic and foreign scientific research institutions, space agencies and international organizations visited the Centre, expressed their strong desire to cooperate with the Centre, and reached a number of cooperation intentions.

### ❖ Secretary General of Shenzhou Institute of China Academy of Space Technology Visited the Centre

On July 3, 2019, Mr. Li Qiang, General Secretary and Senior Engineer of Shenzhou Institute of China Academy of Space Technology, and Mr. Zhao Sheng, Deputy Director and Senior Engineer of H.R. Department of Shenzhou Institute of China Academy of Space Technology, visited the Centre. Mr. Weng Jingnong, Executive Director of the Centre and Ms. Guo Yuanyuan, Program Director of the Centre warmly received the guests. The two sides exchanged views on joint training of international students, construction of English courses, and joint efforts to build an internationally renowned faculty. They agreed to carry out all-round substantive cooperation in Micro-satellite Technology by sharing courses and practical resources, jointly promoting the Centre to a more open international platform.

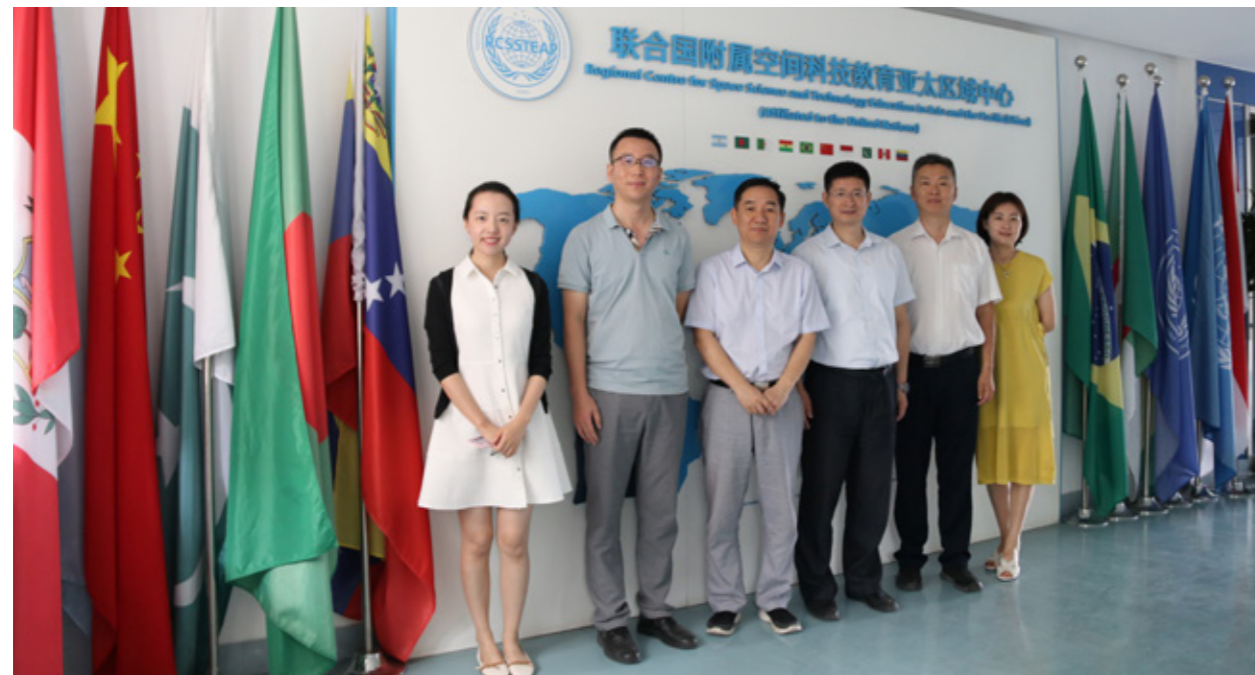
Established on December 8, 2005, Shenzhou Institute has become an educational and training institution mainly focusing on cultivating both technical and management talents of spacecraft engineering. It undertakes the tasks of CAST staff training, CAST domestic and foreign clients as well as graduate's education. On the basis of strong space technology capabilities of CAST, CSI has set up an education and training expert committee consisted of CAST technical experts who offer consultancy, guidance and decision-making advice.



## ※ The Centre Signed the Cooperation Agreement with Changzheng Institute of China Academy of Launch Vehicle Technology

On July 6, 2019, Mr. Dong Bo, Vice Minister of Human Resources Department of China Academy of Launch Vehicle Technology visited the Centre. Mr. Weng Jingnong, Executive Director of the Centre, warmly welcomed the guests. The two sides exchanged views on jointly carrying out the construction of practical teaching base, international training, cultural exchanges, etc., and signed the Cooperation Agreement.

Founded in December 2009, Changzheng Institute is a full-budget unincorporated body directly under the China Academy of Launch Vehicle Technology. It is an important component of the institute's human resources system and a platform for vocational training of all the employees. It promotes the professional growth of outstanding talents and implements technical service training for customers and suppliers. With the mission of "Sharing Organization Wisdom and Spreading Aerospace Culture", it is committed to cultivating training experts for the development of the aerospace industry and creating a professional team. The college has continuously enriched the job-oriented qualification training system, the product-oriented industrial chain training system, and the society-oriented aerospace spirit and cultural communication system. At present, there are more than one hundred (100) training programs and nearly ten thousand (10,000) trainees every year.



## ※ Representatives of the Centre Visited RCSSTEWA

From August 19 to 23, 2019, Ms. Cui Yizhuo and Ms. Yang Fan, representatives of the Centre, were invited to visit Regional Centre for Space Science and Technology Education for Western Asia (RCSSTEWA). They discussed with the representatives from RCSSTEWA on teacher/student exchanges, joint short-term training programs, and educational resource sharing, and reached preliminary cooperation intentions. Mr. Awni Kasawneh, Director of RCSSTEWA, thanked RCSSTEAP for its support to RCSSTEWA and hoped to further strengthen cooperation to make contribution to "Programme on Space Applications" promoted by UNOOSA.

During the visit, the representatives of the Centre were also invited to attend the opening ceremony for the new building of RCSSTEWA and set a booth at the exhibition on aerospace achievements. They shared the educational concepts and international achievements of the Centre with more than one hundred (100) representatives from all over the world.

Regional Centre for Space Science and Technology Education for Western Asia (RCSSTEWA) was inaugurated on May 29, 2012 at the Royal Jordanian Geographic Centre (RJGC) in Amman, Jordan. It assists Member States in enhancing indigenous capabilities in different areas of space science and technology that have the potential to advance social and economic development. It provides in-depth education, research and application programmes with an initial emphasis on space-based remote sensing, satellite communications, satellite meteorology and space sciences.



## ※ Representatives of National Space Research and Development Agency of Nigeria Visited the Centre

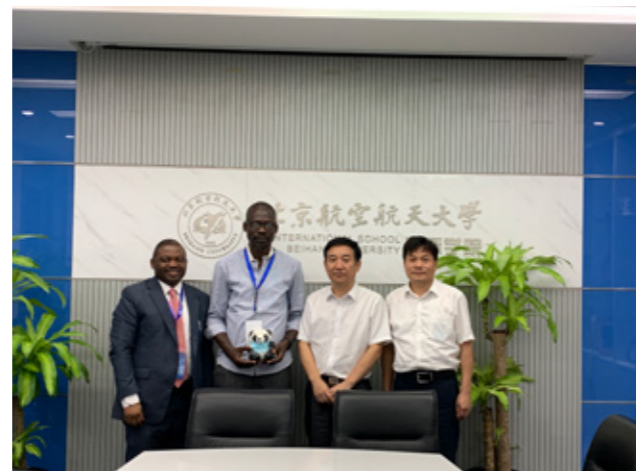
On September 11, 2019, Mr. Halilu Ahmad Shaba, Director, Strategic Space Applications Department of National Space Research and Development Agency of Nigeria (NASRDA) and Dr. Godstime James, Deputy Director, Strategic Space Applications Department of NASRDA, visited the Centre. Mr. Weng Jingnong, Executive Director of the Centre and Dean of International School, Beihang University, warmly received the guests.

Mr. Weng Jingnong expressed a warm welcome to the delegation and introduced the overall situation of the Centre in terms of personnel training, scientific research, international cooperation, etc., and looked forward to further cooperation and resource exchanges with Nigeria. The representatives from Nigeria expressed their gratitude for the warm reception of the Centre, briefly introduced the development and teaching



situation of NASRDA in the field of space, and hoped to jointly carry out education and training in the fields of satellite communication, satellite navigation and micro-satellite technology with the Centre. They expressed their full expectation for the future cooperation and development. During the talks, the two sides exchanged views on short-term training, BeiDou station building and other issues. Professor Yang dongkai, Senior Expert in the field of GNSS of the Center, attended the meeting.

National Space Research and Development Agency of Nigeria (NASRDA) is an Agency under the supervision of the Federal Ministry of Science and Technology for the Republic of Nigeria and is tasked with the implementation of the Nation's Space Policy and Programs. The agency was established on May 5, 1999, with the goal of promoting the development of national socio-economic interests and the application of space science and technology.



### ※ Vice Chairman of the Economic Technology and Environment Committee of National Assembly of the Lao PDR Visited the Centre

On September 12, 2019, Mr. Sanya Praseuth, Vice Chairman of the Economic Technology and Environment Committee of National Assembly of the Lao PDR, visited the Centre. Mr. Weng Jingnong, Executive Director of the Centre, Mr. Wang Xinsheng, Expert in Micro-satellite Technology and Ms. Guo Yuanyuan, Project Director of the Centre, warmly received the guests.

Mr. Sanya Praseuth visited Micro-satellite Mission Control Center, RS&GIS Lab, Smart Classroom, SAT Library, publication show window, participant archive shelves, etc. Subsequently, the two sides exchanged views on space technology personnel training, international exchanges and cooperation, scientific research resource sharing, and reached preliminary consensus.



### ※ African Union Delegation Visited the Centre

On October 10, 2019, the African Union delegation composed of Mr. Mahama Ouedraogo, Director of Human Resources, Science and Technology (HRST), Mr. Hambani Masheleni, Acting Head of S&T Division, HRST, Mr. Tidiane Ouattara, Space Expert and GMES & Africa Coordinator, HRST and Mr. Mukilia Kennedy, Policy Officer, Infrastructure and Marketing, Department of Rural Economy and Agriculture (DREA) visited the Centre. Mr. Wang Fengyu, Deputy Division Director of International Cooperation Department, CNSA, accompanied the delegation. Mr. Weng Jingnong, Executive Director of the Centre and Dean of International School, Beihang University, and staff of the Centre warmly welcomed the guests.



Mr. Weng Jingnong gave a detailed introduction of the development process, degree training, short-term training, capacity-building, faculty, international exchanges and characteristic activities of the Centre. Mr. Mahama Ouedraogo said that through this visit, he had a deeper understanding of the organization structure and training model of the Centre. He greatly appreciated the achievements of the Centre in the past five (5) years and expressed his strong desire to have a good cooperation with the Centre. The two sides exchanged views on the next step of cooperation and reached a number of cooperation intentions.

The delegation came from the AU headquarters in Ethiopia. During the visit, the AU representatives also exchanged views with African students studying at Beihang University.



※ Ms. Mazlan Othman, Former Director of UNOOSA, Visited the Centre

On October 13, 2019, Ms. Mazlan Othman, Malaysian astrophysicist, academican of the Malaysian Academy of Sciences, Fulbright Scholar of the Institute of Space Law of the George Washington University (GWU), and former Director of the United Nations Office for Outer Space Affairs (UNOOSA), visited the Centre. Mr. Weng Jingnong, Executive Director of the Centre and Dean of International School, Beihang University, Ms. Wang Xin, Brand Director of the Centre, and Mr. Wang Xinsheng, expert of the micro-satellite technology, warmly welcomed the guests.

On behalf of the Centre, Mr. Weng Jingnong expressed warm welcome to Ms. Mazlan Othman and briefly introduced the progress made by the Centre in personnel training, scientific research cooperation, international exchange and capacity building in the past five (5) years. Ms. Mazlan Othman said that she was very pleased to see the rapid development of the Centre, from the application to the establishment, to the fruitful achievements, it has become a model of the Regional Centres, affiliated to the United Nations, in just five (5) years. At the same time, she would like to thank the Centre for its contributions to space technology education and promotion over the years, and hoped that more excellent talents would enter the world from here in the future.



display and technical exchange of Beidou technology and applications, the establishment of enterprise R&D open topics, and the construction of student training bases. It was confirmed that the company will send technical experts to our school to give a lecture on the theme of "Indoor and outdoor navigation positioning and its application", etc.

Beijing JinKun Innovation Technology Co., Ltd. is a state-level high-tech enterprise dedicated to the development of IoT products and overall solutions based on indoor and outdoor positioning navigation and sensor technology.



### ※ Beijing JinKun Innovation Technology Co., Ltd. Visited the Centre

On October 14, 2019, Dr. Xiao Dengkun, General Manager of Beijing JinKun Innovation Technology Co., Ltd. and Mr. Gu Zhongshun, vice chairman of Beijing JinKun Innovation Technology Co., Ltd. visited the Centre. Mr. Weng Jingnong, Executive Director of the Centre and Dean of International School of Beihang University and the staff of the Centre warmly welcomed the guests.

At the meeting, Mr. Weng Jingnong gave a detailed introduction of the development results, student internships, entrepreneurship of the Centre ,etc., and invited Beijing JinKun Innovation Technology Co., Ltd. to participate in the 5<sup>th</sup> anniversary celebration and Forum on Space Education Cooperation on December 10, 2019. The two sides also held discussions on the overseas promotion,



## Participants' Forum

### ✧ Editor's note

One world, one family. The Centre has enrolled more than two hundred (200) students from twenty-four (24) countries in "Space Technology Applications" program since it was founded in 2014. Participants from all over the world gathered, sharing their cultures, promoting civilization development, and writing a movement of multiculturalism.

### ✧ A Participant's Internship Experience in UNOOSA

In June 2019, ANA PAULA CASTRO DE PAULA NUNES (Anna), a 2018 Space Law and Policy participant of the Centre, applied for an internship and got accepted by the United Nations Office for Outer Space Affairs (UNOOSA) and went to Vienna, Austria for three months period.

During the internship, Anna's main tasks included: communication and cooperation with international organizations (such as UN-SPIDER), organization of international conferences, document editing, news reporting, and other ancillary work. In her internship experience, she expressed her own opinions on the UNOOSA, Beihang University and the Centre, described her internship life in Vienna, and expressed her gratitude to Mr. Weng Jingnong, Executive Director of the Centre and her supervisor Mr. Gao Guozhu. She also mentioned her feelings during the internship: 1. There is no easy career path, you have to do things with your best and not to worry about factors beyond your control. 2. Be friendly and polite, it helps to create a good working environment for you. 3. Create your own network and refer to the experience of others, it will give direction to your future path. By sharing her internship experience, Anna hoped to provide a reference for more Beihang students.



The following is the full text of Anna's internship.

#### *My experience doing an internship at UNOOSA, Vienna*

#### ✧ Why did I choose this internship?

*"TELL ME, AND I WILL FORGET.*

*SHOW ME, AND I MAY REMEMBER.*

*INVOLVE ME, AND I WILL UNDERSTAND."*

*—Confucius*

It is well known that professional experience is vital for getting an opportunity in the job market, and an internship could be the best way to achieve both. That was one of the reasons I applied for the internship at

the United Nations Office for Outer Space Affairs (UNOOSA). The other reason was the importance of UNOOSA in the Space Law field: they are one of the most important players in shaping the global space governance.

I chose the Space Law & Policy major so I could take part of the decision-making process regarding space technology applications. Also, I'd like to contribute directly to the development of the space program of my country. For this reason, the experience of working at UNOOSA would allow me to be in touch with experts in the field, getting acquainted with working for an international organization and dealing with partners in the space sector which include space agencies, industry and private companies.

#### ✧ About UNOOSA

During the Space Law lectures from the Space Technology Application Master Program in Beihang, we learned how UNOOSA is fundamental on promoting international cooperation in the peaceful use and exploration of space, and also in the utilization of space science and technology applications for a more sustainable economic and social development.

UNOOSA also serves as secretariat for COPUOS, the Committee on the Peaceful Uses of Outer Space, which was set up in 1959 to govern the exploration and use of space for the benefit of all humanity: for peace, security and development. The Committee was also fundamental in the creation of the five (5) space treaties and five (5) principles of outer space.

UNOOSA is headed by a Director and has two (2) main sections: the Space Applications Section (SAS), which organizes and carries out the United Nations Programme on Space Applications, and the Committee, Policy and Legal Affairs Section (CPLA), which provides functional secretariat services to the Committee, its two subcommittees and its working groups. CPLA also prepares and distributes reports and publications on international space activities and on international space law. Since 2014, Ms. Simonetta Di Pippo of Italy serves as Director of the Office.

#### ✧ UNOOSA and Beihang

Beihang University has a close relationship with the United Nations, as it is home to the UN Regional Centre for Space Science and Technology Education in Asia and the Pacific (RCSSTEAP China): the first UN organization in China dedicated to space education. The centre was inaugurated in November 2014 as an educational and training entity supported by COPUOS, with the mission to promote the peaceful uses of space science and technology application, enhancing space education in developing countries.

#### ✧ What do I do in the internship?

I am an intern in the Space Applications Section (SAS) since the middle of July 2019. I work mainly with the UN-SPIDER, the United Nations Platform for Space-based Information for Disaster Management

and Emergency Response, which is a program under SAS, but I also get the opportunity to work with the staff from the Committee, Policy and Legal Affairs Section (CPLA). My work includes, but is not limited to:

- *Creating and editing documents, reports and publications;*
- *Assisting the senior officer in his daily tasks, managing communication between sectors;*
- *Helping organize conferences like the 9th Annual UN-SPIDER Conference in Beijing in Commemoration of 10 Years of the UN-SPIDER Beijing Office;*
- *Contribution on the Project regarding the application of the Sendai Framework for disaster reduction in Sri Lanka;*
- *Revising technical and scientific articles related to space technology applications;*
- *Participating in staff meetings where I have a chance to share my thoughts and opinions.*

#### ※ **What have I learned so far?**

Besides learning more about UNOOSA's structure, getting involved in its current projects and getting hands-on experience in the field, there are a few valuable things I've been lucky to pick up:

- *There's no easy career path. Coming into this internship, I felt that I didn't know where my career was going, and I lacked confidence about where I could work in the future since I am combining a technical background in Aerospace Engineering with a legal specialization in Space Law. The internship is giving me a better understanding of my skill set and where my career may take me, but especially I am learning that many of the staff that work here today were in the same situation as me while in University. Not everyone finds the perfect job right after graduation and it may take a few bold turns in your career to find a good job opportunity. Just keep giving your best and don't worry too much about the things you can't control. And do be afraid to apply for the position you want. Even if you lack professional experience you can make it up with other skills.*
- *Being nice and courteous is very rewarding and contributes to creating great workplace. When you work for a big international organization like the United Nations you may share an elevator ride with a diplomat, the head of some important organization, your co-workers and maybe the cleaning staff. Regardless of your position here, everyone tries to be very polite, friendly and helpful, which makes you feel welcome right away and encourages you to do the same to others and do your best. I already try to be a kind person towards everyone, but in this internship, I realized that being accepted, respected and acknowledged really brings the best in everyone and we should recreate this environment everywhere in our lives.*
- *Network in a smart way. One of the main reason students apply for internships is the possibility of*

*getting to know important people in the field and showing them your hard-work so maybe one day they'll remember you during a recruiting process. I've learned that good networking goes beyond that. In order to understand where my career may take me, I've invited some of the UNOOSA staff for an informal talk where I asked them about their own life and career path: what's their background, how did they get here and where would they like to go next. From their experiences they also gave me suggestions of where I could go or who I can talk to in order to reach my goals.*

#### ※ **How's life in Vienna?**

Vienna is the charming capital of Austria and has a population of around 1.8 million. The official language is German and around 40 percent of the population are Roman Catholic. The region surrounding Vienna is one of the wealthiest in the European Union, being the headquarters of numerous international organizations with many international companies basing their operations in the city.

Over 45% of the city is covered with gardens, parks, forests, and woodland, another 15% is farmland and 5% rivers and lakes. Very impressively, more than 1/3 of all journeys in the city are by public transportation and/or bike, making it very easy to walk around and discover the city. Vienna is often called the City of Music, or the World's Capital of Music, as many famous composers have lived and worked here between 1750 and 1825. Some of the famous musicians are Wolfgang Amadeus Mozart, Ludwig van Beethoven, Joseph Haydn, Franz Schubert, Johann Straus and Johannes Brahms.

Vienna has been voted the world's most livable city for 7 years in a row because of such factors as political, social and economic climate, medical care, education, recreational opportunities, its environment and infrastructure. Even though I am slowly learning German, everyone here speaks English which makes life a lot easier.

There's so much to do and explore in this city that combines the Old and Modern. I personally like to walk around the city center to see and explore the many historical buildings, museums and during the evening walk along the river canal. On the sunny weekends I love go swimming at the Danube river.

Is a lovely city full of life and history, green landscapes and great food. I'd love to come back here again and maybe even work here someday.



## ※ Valuable Experience Sharing in Learning Chinese

This year, forty-two (42) participants from the Centre attended Chinese Proficiency (HSK - Level II), and all of them passed the test. Three (3) of them got full marks. They were SEWEEWANLOP SURUCCHAWADI from Thailand, AGBAJE HALIMAH ADEBIMPE from Nigeria and YAVUZ UMUT from Turkey. In terms of Chinese learning and HSK exam, they would like to share their valuable experience with us, so as to inspire other international students to cultivate interest and enthusiasm in learning Chinese.

“First, I will like to say that I never knew a word in Chinese before coming to China. My first day in Chinese class was not funny because I was completely lost. With the efforts of Zhang laoshi and regular study, I was able to overcome some challenges. I made sure that I bought the text book which was recommended and installed the audio guide on my laptop. After class, I tried to read what was thought in the class and afterwards, listen to the audio.



Learning Chinese was not very easy. For me, punctuality in class, attentiveness, interest, efforts and dedication works. I made sure I attended all classes and attend to the assignments given by laoshi. In preparation for the HSK, the mock exam conducted was of great help because I wouldn't have known how best to prepare. After the result of mock exam came out and I scored 155, I knew I can still do better and this made me to study more. My friends, Farouq, Aimen Ahmed, Etagegn and Farhana were also of help because we revised together at one point or the other and this made me comprehend more.

I will like to appreciate Zhang laoshi for her efforts in teaching us and the International School for giving us the opportunity.”

—AGBAJE HALIMAH ADEBIMPE, Nigeria, Participant in RS&GIS

“As a very new learner who never studied or got exposed to Chinese language before, learning a new language is definitely a big challenge for me. But what makes me different from other students is my purpose of learning the language. I do not simply want to pass the compulsory Chinese courses, but also to reach the level where I could translate conversations, editorials, articles, news, media from English to Chinese and vice versa.



Steps that I take towards the HSK exam:

1. Focus on listening. Since learning the new language can

sound like undifferentiated noise at the beginning. By getting used to the sounds, sometimes I read it out whatever I am listening to, so as to get a better sense of what I am hearing. Simply speaking, try to get a little momentum in the language, which is a beauty of each language.

Tips: Podcasts on YouTube are very useful. Once I already got a toe gold on the language, my motivation to learn more grew.

2. Get the Rhythm of the language to master the tones. One of the challenges of Mandarin is the tones. Luckily, as a Thai native speaker I was born speaking in 5 different tones, so the tones in Mandarin are not a big challenge for me. However, for those foreigners out there who are not used to the concept of the tones, it is important to internalize the tones as part of phrases. Listening also helps you do this. You can't learn it theoretically. I found listening to Chinese short movies (with subtitles) a great way to get the rhythm of the tones.

3. Focus on patterns, don't get too caught up in complicated grammar explanations. Which is how the language worked. To me, the patterns are the frames around which I could build whatever I wanted to say. It is better to get used to the patterns that Chinese uses to express things we express in English, than using English patterns.

4. Speak a lot, put on your thick face, then ignore those judgmental people. Every time I use the language, I am practicing and getting used to it. Make myself enjoy communicating in Chinese, go with the flow, try to recognize some words that I already know from classes and form together with newly learned words, then I know the new meaning.”

—SEWEEWANLOP SURUCCHAWADI

Thailand, Participant in Space Law and Policy

“In the first year of my Master Program I took Chinese language lessons 4 hours/per week. I was really interested in learning Chinese language in order to communicate with very kind and nice Chinese people and adapt to Chinese culture.

Living in China and learning Chinese language are really exotic. I tried to attend all classes every week. I listened to the teacher carefully and tried to be active during the classes. But I think the important thing is to use every single word you learned in class in daily life while you're in China. So, I suggest people to attend classes, to use the new words and make sentences in daily life. Chinese people are really friendly, you can easily make Chinese friends to practice and improve your Chinese.”



YAVUZ UMUT

Turkey, Participant in Space Law and Policy

## ※ Participant of the Centre Won "Best Delegate" and "Head Delegate" in ASEAN Model Youth Submit Competition

October 22-29, 2019, the 11<sup>th</sup> ASEAN Model Youth Submit Competition was held at Peking University. Ms. Suruchawadi Sewewanlop (Jinling), 2018 Space Law and Policy participant of the Centre who comes from Thailand competed in the competition under the name of Beihang University. During the competition, Jinling was allocated to compete in the ASEAN REGIONAL FORUM SENIOR OFFICIALS' MEETING (AFRSOM) where there were fifty-four (54) delegates participating and won the "Best Delegate". Moreover, she has been awarded and appointed as the Head Delegate among more than 100 candidates.



During the competition, Jinling was assigned to represent European Union (EU) and prepared a Position Paper Background of Topic, Past International Actions, Country Policy, and Possible Solutions. She delivered an excellent opening speech, explaining the policy and key-sub-issues that she would like the committee to focus on.

"At the time of the competition, we need to think of various resolutions to be highlighted but most of the delegates put it in the way of "arguing" not "negotiating", which means that it is a waste of time if your goal is to pass your resolution. If you want to win in terms of getting your draft resolution passed, you need to do more than debate—you need to negotiate. You say "yes" or agree to something because you are comfortable with it. You genuinely like the idea and believe in it — or you decide to be persuaded simply because it's your friend or someone you like and trust. In Model UN, you will use a combination of substantive persuasion and personal persuasion to get delegates to vote for your draft resolution — you will negotiate with them on both intellect and personality."

Also, Jinling took the role in drafting a Submit of the BLUEPRINT, along with participants from other countries, which would be submitted to the Secretary-General of the Association of Southeast Asian Nations (ASEAN) to be taken into consideration for further policy drafting between China and ASEAN Member States.



## Additional Words

This issue of *Newsletter* recorded the main work of the Centre from July to October 2019, including a series of reports commemorating the 5<sup>th</sup> anniversary of the Centre, international training course on Space-based Technologies for Disaster Risk Assessment, signing cooperation agreement with Changzheng Institute of China Academy of Launch Vehicle Technology, and the visit of Ms. Mazlan Othman, former Director of UNOOSA, etc.

The 4<sup>th</sup> Governing Board Meeting of the Centre, the 5<sup>th</sup> anniversary celebration and Forum on Space Education Cooperation will be held in early December this year. Standing at the new historical starting point, we will improve the education quality and strive to cultivate more space technology talents for developing countries, strengthen management and service ability to achieve sustainable development, and present you a better *Newsletter* through innovation.





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