Frist Announcement

Training Course on Satellite Ground Receiving Stations and Remote Sensing Technology Application

Background

The China-Pakistan Economic Corridor is a pilot area and a flagship project of the "Belt and Road Initiative", which includes cooperation in the fields of transportation, energy, fiber optic cables and ocean. The construction of the China-Pakistan Economic Corridor (CPEC) will speed up the communication between China and Pakistan, South Asia and West Asia. As Pakistan is short of timely, high-resolution satellite remote sensing data along CPEC, China-Pakistan Joint Research Centre on Earth Sciences **(CPJRC)** will collaborate with the Aerospace Information Research Institute of the Chinese Academy of Sciences **(AIRCAS)** to launch a Training Course on Satellite Ground Receiving Stations and Remote Sensing Technology Application during October 19th to 22nd, 2021 for the participants mainly from Pakistan on-site in Beijing, China and on-line at the same time. The other participants from other countries as well as China who are interested in the Course are also welcome to participate

As one of the institutions of CAS for the construction of CPJRC, the AIRCAS has had lots of experiences in organizing international training courses on remote sensing applications including the "High Level Training Course on Remote Sensing Virtual Ground Station and Application under the framework of Digital Belt and Road" which was successfully held in 2018. Through this Course, the AIRCAS will deploy data sharing systems and virtual satellite ground stations for enhancing Pakistani scientific data service capabilities, and to promoting scientific and technological cooperation in the field of remote sensing technologies.

Objective

This training course is aimed at promoting applications of satellite data acquisition, data preprocessing, agricultural remote sensing, hydrological remote sensing, and disaster remote sensing technologies, and developing cooperation in the fields of data sharing and remote sensing application between China and Pakistan.

Lecturers & Courses

1. Prof. HUANG Wenjiang - Remote Sensing Monitoring of Locust Disaster

2. Prof. GUO Qing - Remote Sensing Satellite Data Receiving and Fusion Technology

3. Prof. LI Guoqing - China Earth Observation Data Sharing and International Service

4. Prof. LONG Tengfei - Global Burned Area Mapping of 30m Resolution

5. Prof. SHEN Qian - Remote Sensing Hyperspectral Technology and its Application

6. Prof. LU Shanlong - Application of Remote Sensing in Water Resources

7. Prof. WANG Lei - Application of Remote Sensing in Disasters

8. Prof. LI Xinpeng - A Quick Way to Access Remote Sensing Satellite Image ——Virtual Ground Receiving Station

9. Prof. FU Bihong - Space Technology for Identification, Monitoring, Conservation Management and Sustainable Development of the UNESCO-designated Sites

10. Prof. LUO Lei - Remote Sensing for Archaeology and Digital Cultural Heritage in Pakistan

Ways of Lecturing

1. Lectures

2. Discussions

3. Site visit

Agenda

Date	Weekdays	Time	Course	Lecturers
10/19	Tuesday	14:00-18:00	On-site registration for students	
10/20	Wednesday	9:00-9:30	Opening ceremony	
		9:30-11:00	A Quick Way to Access Remote Sensing Satellite Image ——Virtual Ground Receiving Station	Prof. Liu Jianbo
			Lunch	
		14:00-15:30	Remote Sensing Satellite Data Receiving and Fusion Technology	Prof. Guo Qing
		15:30-17:00	Visit Miyun Satellite Ground Receiving Station	
		17:00-17:30	Students' Self-introduction	
			Dinner	
10/21	Thursday	9:00-10:30	China Earth Observation Data Sharing and International Service	Prof. LI Guoqing

		10:30-12:00	Global Burned Area Mapping of 30m Resolution	Prof. LONG Tengfei
		Lunch		
		14:00-15:30	Remote Sensing Monitoring of Locust Disaster	Prof. HUANG Wenjiang
		15:30-17:00	Application of Remote Sensing in Disasters	Prof. WANG Lei
		Dinner		
10/22	Friday	9:00-10:30	Application of Remote Sensing in Water Resources	Prof. LU ShanLong
		10:30-12:00	Remote Sensing Hyperspectral Technology and its Application	Prof. SHEN Qian
		Lunch		
		14:00-15:30	Space Technology for Identification, Monitoring, Conservation Management and Sustainable Development of the UNESCO-designated Sites	Prof. FU Bihong
		15:30-17:00	Remote Sensing for Archaeology and Digital Cultural Heritage in Pakistan	Prof. LUO Lei
		Dinner		

When & How to attend

Time: October 19th -22nd, 2021

On-site location: Wuke Hotel, Beijing, China （No.8 Zhongguancun South 3rd Road）

On-line participation:

https://meeting.tencent.com/dm/FazozzT4r65D

Voov meeting ID: 575 4514 5629

Who should attend

Young researchers and graduate students related to or interested in the applications of satellite ground station and remote sensing technologies (to comply with the regulations of preventions and controls of COVID-19, the registration quota for on-site training shall be limited to 30 people.)

Benefit for attendees

This course will give participants elaborate knowledge of satellite ground station and remote sensing technology applications. Also, the attendees (on-site) will get a certificate from China-Pakistan Joint Research Centre on Earth Science for this course.

All the registration, accommodation and meals are FREE. (Note: 2 people in one standard room. The transportation fees are not included.)

Organizers

China-Pakistan Joint Research Centre on Earth Sciences

Aerospace Information Research Institute, Chinese Academy of Sciences

More Information

If you need any other help or assistance, please contact us:

Prof. HONG Tianhua   E-mail: hongth@aircas.ac.cn

Ms. ZENG Qing   E-mail: zengqing@imde.ac.cn

Ms. LI Wanhong   E-mail: liwanhong@imde.ac.cn

Appendix

Application Form of the Training Course

Name		Gender		Nationality	
Title/Occupation		Postgraduate		☐Master ☐Ph.D.	
Research Direction			Supervisor		
Work Unit/University					
Papers published as the first or corresponding author					
Scientific research projects undertaken/participated in, and the main responsibilities in the project					
Address					
Landline/Fax			Tel.		
E-mail			WeChat		
Vaccination Information	☐ 2 shots have been vaccinated ☐ only 1 shot ☐ not vaccinated				
Accommodation	Normal arrangement: ☐Double Room, arranged by meeting group				
	Other arrangement: ☐Solve it by yourself，do not live in the meeting hotel				
	Special Needs: ☐Sigle Room, self-pay				
Other Notes					

Notes：

(1) Accommodation for participants from Beijing will not be provided.

(2) The training course is taught in English, and the participants shall have good English listening and speaking skills.

(3) It is required to attend the training course on time, and those absent participants without any reason shall bear the training fee (meal and lodging expenses);

(4) According to relevant regulations of epidemic prevention and control, participants must prepare health codes in advance, and those with non-green codes are not allowed to participate in this training course;

(5) If you have recently been to some medium-or-high-risk areas, or have been in contact with someone who are infected with Coronavirus, please inform us in advance;

(6) Please send the application form no later than October 15th, 2021 to the email: zengqing@imde.ac.cn, liwanhong@imde.ac.cn.

(7) Acceptance notification will be sent on October 16th, 2021.