

1st International Symposium on the Cloud Remote Sensing, Atmosphere Radiation and Renewal Energy Application (CARE-2018)

-- Featuring Glocal Monitoring --

August 6 - 10, 2018 | Beijing • China



Organized by:

- International Society for Photogrammetry and Remote Sensing (ISPRS)
- Institute of Remote Sensing and Digital Earth (RADI), Chinese Academy of Sciences (CAS), China

Co-hosted by:

- Department of Geography, Inner Mongolia Normal University (IMNU), China
- Tokai University Research and Information Center (TRIC), Japan

Supported by:

- Atmospheric Optics Laboratory, University of Lille, France
- College of Global Change and Earth System Science (GCESS), Beijing Normal University, China
- Institute of Atmospheric Physics (IAP), Chinese Academy of Sciences (CAS), China
- Nanjing University of Information Science & Technology (NUIST), China

Welcome Letter

Dear colleagues,

The 1st International symposium on the Cloud Remote Sensing, Atmosphere Radiation and Renewal Energy Application (CARE-2018) -- Featuring Global Monitoring -- will be held in Beijing, China, on August 6-10, 2018. This is the first meeting of the CARE symposiums and we hope this symposium will be a good start. We cordially invite you to participate in this significant and meaningful event.

Satellite observation is one of the most promising and, at the same time, largely underexploited fields of cloud remote sensing, climate change study and disaster monitoring. Organized by International Society for Photogrammetry and Remote Sensing (ISPRS) and Institute of Remote Sensing and Digital Earth (RADI), Chinese Academy of Sciences (CAS), China, co-hosted by Department of Geography, Inner Mongolia Normal University, China and Tokai University Research and Information Center, Japan, the event is aimed to promote international collaborations as well as in-depth exchanges of ideas and experiences on various aspects of cloud remote sensing, particularly the advances in the research of atmospheric radiation, solar energy applications and featuring global monitoring.

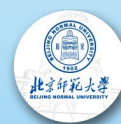
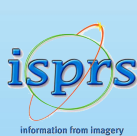
The symposium venue is at the RADI, CAS, which is known for more than 30 years of experience in remote sensing data acquisition and processing based on the spaceborne airborne-ground Earth observation system. RADI is located on a beautiful Olympic Park of Beijing.

We sincerely welcome the scientists, engineers and students in the field of satellite, airborne, ground-based polarimetry, remote sensing application and disaster monitoring from all over the world to participate in this symposium in 2018 to exchange the most up-to-date scientific ideas and technical information.

Looking forward to meeting you in Beijing 2018!

Husi Letu

HUSI Letu
CARE-2018 Organizing committee
State Key Laboratory of Remote Sensing Science
Institute of Remote Sensing and Digital Earth (RADI), CAS



International Advisory Board



Prof. Kohei Cho (JPN)

*Department of Human and Information Science, Tokai University, Japan;
General Secretary of Asian Association on Remote Sensing (AARS).*

Research fields:

- ◆ Sea ice remote sensing;
- ◆ Satellite observation application and image processing.



Prof. Teruyuki Nakajima (JPN)

*Director of Earth Observation Research Center (EORC);
Japan Aerospace Exploration Agency (JAXA).*

Research fields:

- ◆ Atmospheric radiative transfer;
- ◆ Aerosol-cloud interactions;
- ◆ Cloud remote sensing and climate change.



Prof. Takashi Y. Nakajima (JPN)

*Research and Information Center (TRIC), Tokai University, Japan;
Lead Scientist of the Cloud Science Team for GCOM-C and Earth CARE Satellite Missions (JAXA mission).*

Research fields:

- ◆ Atmospheric radiative transfer;
- ◆ Light scattering and cloud remote sensing.



Prof. Jérôme Riedi (USA)

Director of ICARE Data and Services Center of University of Lille.

Research fields:

- ◆ Satellite-based analysis of cloud and aerosol properties;
- ◆ Statistical analysis of satellite observations and model reanalysis.



Prof. Andrew Dessler (USA)

*Atmospheric Sciences, Texas A&M University, USA;
Earl F. Cook Professor of Geosciences, Texas A&M University.*

Research Fields:

- ◆ Climate change and water vapor;
- ◆ Climate change policy;
- ◆ Atmospheric chemistry



Dr. Hiroshi Ishimoto (JPN)

Head of the 1st lab./Meteorological Satellite and Observation System Research Department, Meteorological Research Institute.

Research fields:

- ◆ Scattering of non-spherical atmospheric particles
- ◆ Satellite remote sensing.



Prof. Osamu Uchida (JPN)

Department of Human and Information Science, Tokai University.

Research fields:

- ◆ Disaster information processing.

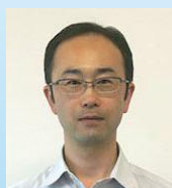


Prof. Kazuaki Kawamoto (JPN)

Graduate School of Fisheries Science and Environmental Studies, Environmental Science, Nagasaki University.

Research fields:

- ◆ Atmospheric radiative transfer;
- ◆ Cloud and aerosol interactions;
- ◆ Cloud and aerosol satellite and ground-based remote sensing.



Dr. Hironobu Iwabuchi (JPN)

Graduate School of Science Center for Atmospheric and Oceanic Studies Radiation and Climate Physics Laboratory, Tohoku University.

Research fields:

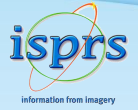
- ◆ Weather, oceanic physics and hydrology.
- ◆ Light scattering and modeling of radiative transfer in cloudy atmosphere.

Organizers and Sponsors

Organized by:

International Society for Photogrammetry and Remote Sensing (ISPRS)

The ISPRS is a non-governmental organization devoted to the development of international cooperation for the advancement of photogrammetry and remote sensing and their applications. Photogrammetry and Remote Sensing is the art, science, and technology of obtaining reliable information from non-contact imaging and other sensor systems about the Earth and its environment, and other physical objects and processes.



State Key Laboratory of Remote Sensing Science, RADI, CAS, China

The laboratory is the only National Key Laboratory for the basic research of Remote Sensing Science in China, which has condensed a number of backbone forces in the remote sensing field of our country and guided the continuous development of the field of Remote Sensing Science in China.



Co-hosted by:

College of Geographical Science at Inner Mongolia Normal University (IMNU), China

The College of Geographical Science is the descendant of the Division of History and Geography established in 1952. The division was renamed in 1958 the Department of Geography. The college has seven undergraduate majors, among which geosciences, land resource management and geographic information science are taught in both Chinese and Mongolian.



Tokai University Research and Information Center (TRIC)

Established in 1974 on the Yoyogi Campus, Tokai University Research and Information Center (TRIC) aims to contribute to social development by effectively and functionally putting to use the results of the university's research. In addition to offering and putting to work various research results in the realm of science and technology, it is gathering, analyzing and processing image data from various fields, including global environmental monitoring using satellite data



Supported by:

Atmospheric Optics Laboratory, University of Lille, France

The ICARE Data and Services Center was created in 2003 by CNES, CNRS, the Nord-Pas-De-Calais Regional Council, and the University of Lille, to provide various services to support the research community in fields related to atmospheric research, such as aerosols, clouds, radiation, water cycle, and their interactions.



College of Global Change and Earth System Science (GCESS), Beijing Normal University, China

Beijing Normal University, a key university under the administration of the Ministry of Education, is a renowned institution of higher education known for teacher education, education science and basic learning in both the arts and the sciences. Over the years, the school has been home to a large group of renowned intellectuals and scholars, who have promoted culture and stimulated education.



Institute of Atmospheric Physics (IAP), CAS, China

Established in February of 1928, IAP has cast its net wide and attracted funding, talents and international collaboration, enabling the institute to successively set up the theory of cloud precipitation and weather modification, satellite meteorology, atmospheric observation and related research and technology, mechanism and prediction of the urban and regional air pollution and their effects on the atmospheric environment.



Nanjing University of Information Science & Technology (NUIST), China

NUIST was designated in 1978 as one of the key institutions of higher learning in China. NUIST is a national-level key university co-constructed by the Jiangsu Provincial People's Government, the Ministry of Education of the People's Republic of China and the China Meteorological Administration (CMA).



Main Topics

Topics include, but are not limited to:

- Cloud remote sensing and radiative effect;
- Calculation of light scattering property of atmospheric non-spherical particles;
- Earth radiation/ energy balance monitoring by remote sensing technology;
- Calibration, processing, inversion, verification and Application of new-generation geostationary satellite data;
- Remote sensing of disasters (Glocal monitoring);

NOTIFICATION

The deadline for abstract submission is **July 10th, 2018**. Abstracts can be submitted via conference email address: care2018@radi.ac.cn. Abstracts should be written in English. The body paragraph of the text should be no more than 300 words. Please refer to the abstract templates to prepare your abstract.

A Template for Preparing an Abstract for CARE-2018 Abstract (Times New Roman,14pt)

[Subtitle as Needed](Times New Roman 12pt)

Author¹, Author² and Author^{3,*} (Times New Roman 9pt)

¹Affiliation of the first author, Institution, COUNTRY

²Affiliation of the second author, Institution, COUNTRY

³Affiliation of the third author, Institution, COUNTRY

Corresponding author: E-mail address of corresponding author only (Times New Roman 8pt)

Abstract: The length of the abstract must be within a limit of 450 words. All manuscripts must be in English. Please typeset the abstract in 10pt Times New Roman.

Keywords: (Times New Roman, 10pt)

Agenda

Important Dates

July 1, 2018	Deadline for abstract submission
July 15, 2018	Notification of abstract acceptance
August 6, 2018	Deadline for registration
August 6, 2018	Dates for conference
August 7, 2018	Opening conference ceremony
August 9, 2018	Investigation in Xilinhot
August 10, 2018	Closing ceremony

Conference Program and Schedule

Date:	August 6th~10th, 2018				
City:	Beijing			Xilinhot	Beijing
Time	6 th August 2018 Monday	7 th August 2018 Tuesday	8 th August 2018 Wednesday	9 th August 2018 Thursday	10 th August 2018 Friday
08:30-12:30	Registration	Opening ceremony	Session 5	Investigation	Session 7
		Break	Break & Poster		Break & Poster
		Session 1	Session 6		Session 8
12:30-13:30		Lunch	Lunch	Lunch	Lunch
13:30-18:30		Session 2	Discussion	Investigation	Break & Poster
		Break & Poster			
		Session 3	End of meeting		Closing ceremony
	Break & Poster				
Session 4	Move to Xilinhot				
18:30-21:00	Free time	Free time	Free time	Free time	Free time

Venue

Conference place

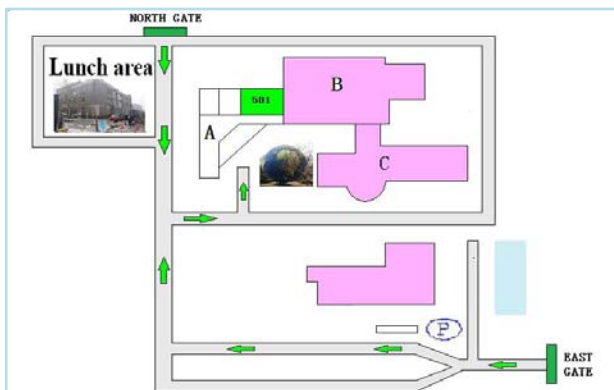
The venue of the CARE-2018 symposium is the Institute of Remote Sensing and Digital Earth(RADI), CAS.



Address:

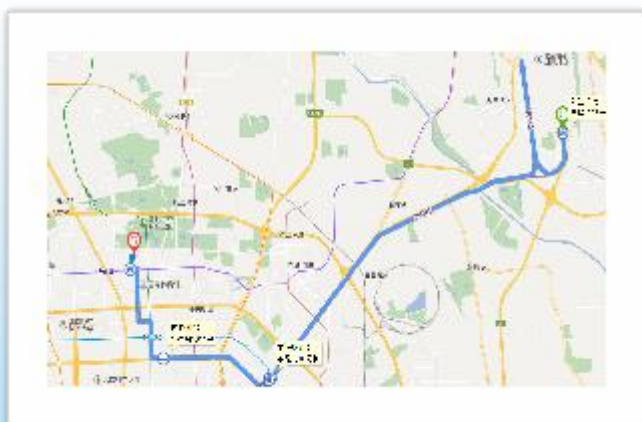
Room A501 - A503, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, DaTun Road No.20(North), Chaoyang District, Beijing, China

Venue Place for CARE



According to the left figure, follow the green arrow and you will arrive at the globe. Behind the globe is the remote sensing institution. The meeting will hold in Room 501, A-building.

Transportation:



Airport-RADI: Take the subway capital airport line and transfer to line 15 to get off at the Olympic park subway station.

Hotel Reservation

Ya'ao International Hotel Beijing

北京亚奥国际酒店



No. A1 Datun Road, Beishatan, Chao Yang District, Beijing.

北京朝阳区北沙滩大屯路甲 1 号

Tel: 400-172-1188

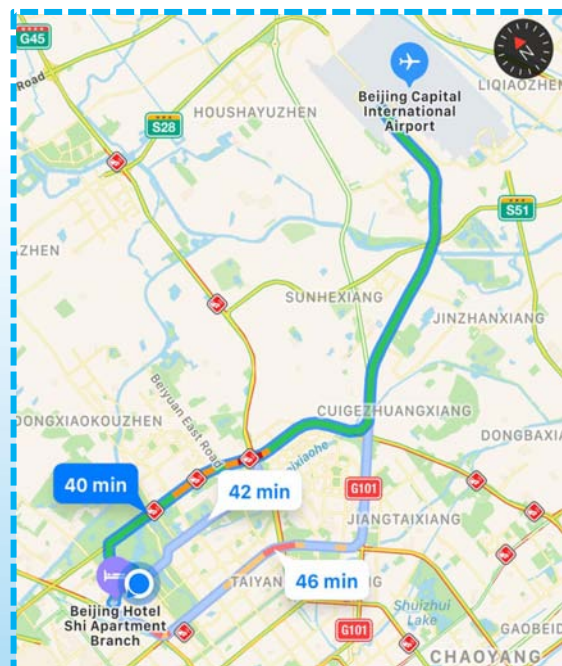
Website:

<https://www.booking.com/hotel/cn/best-western-ol-stadium-beijing.en-gb.html?>

Suggestion: Reservation via web page (price depending on booking.com)



Situated in the 2008 Olympic village of Chaoyang District, Ya'ao International Hotel Beijing is a 12-minute drive from the conference venue and the Beijing National Stadium. The hotel is 29 km to Beijing Capital International Airport.



Xilinhot Hotel

锡林浩特酒店



**Xilin Xi Street, Hexi Development Zone,
Xilinhot, Xilingol League.**

内蒙古自治区锡林郭勒盟锡林浩特市河西开发区锡
林西大街

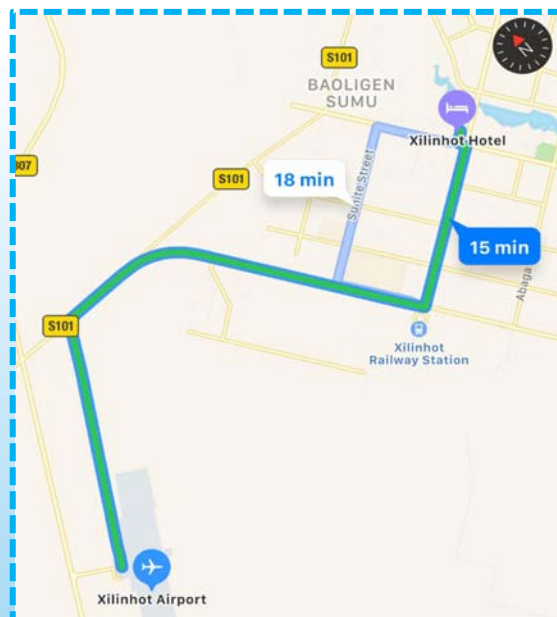
Tel: 0479-8816975

Website:

<http://hotel.elong.com/00704008/>

Suggestion: Reservation via web page (price depending
on booking.com)

Located in the west development area of Xilin street, Xilinhot, Xilinhot hotel is 3.5km away from the old city and is 9.7 km to Xilinhot Airport. The hotel is also close to the Xilin Lake, it boasts easy access to local attractions and airport.



Tours Information

Tours schedule: departure at 08:00 on August 9th from the meeting place, and return to the hotel at 19:00 on August 9th.

Xilingol Grassland (forenoon 9 August, 1 days)



Xilingol Grassland (Chinese name: 锡林郭勒大草原), which means “rivers on the highlands”, is located in Xilinhot City, center of Inner Mongolia. Covering more than 10,786 square kilometers, the grassland is considered one of the most representative grasslands in a temperate climate zone in China.

Pingdingshan and Wind Energy (afternoon 9 August, 1 days)



Useful Information

Conference information:

1. Please reply us in time and notify the conference group of the attendance, arrival and departure time as soon as possible to facilitate the uniform arrangement.

Contact Us

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Address	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, Datun Road 20 th North, Chaoyang District, Beijing