



## 2. Paper Submission and Registration

- ◆ Website for paper submission and registration: <http://emsr2015.radi.ac.cn/>.
- ◆ Paper should be written in English. The selected papers will be included in the Proceedings of International Symposium on Earth Observations for Maritime Silk Road (electronic edition). The excellent papers will be recommended for publication in the *International Journal of Digital Earth (IJDE)*, *Journal of Remote Sensing*, and *Journal of Image and Graphics*.

## 3. Important Dates

October 15, 2015	Abstracts Acceptance Notification
October 30, 2015	Early-Bird Registration Deadline
October 30, 2015	Paper Submission Deadline
November 24, 2015	On-Site Registration
November 25-27, 2015	Opening Ceremony Technical Sessions

## 4. Registration Fees

Early-Bird Registration (before October 30, 2015) : \$260 (¥1,500)

On-Site Registration: \$300 (¥1,800)

## 5. Preliminary Agenda

Date	Time	Activity
November 24	All Day	On-Site Registration
November 25	Morning	Opening Ceremony Plenary Session I
	Afternoon	Parallel Technical Sessions I Round Table I
November 26	Morning	Plenary Session II
	Afternoon	Parallel Technical Sessions II Round Table II
November 27	Morning	Panel Discussions Closing Ceremony



## 6. Conference Venue

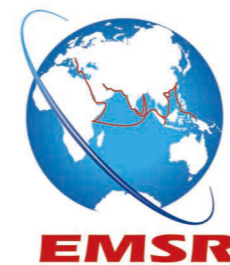
International Asia Pacific Convention Center  
<http://www.iapccsanya.com/>

### Conference Secretariat

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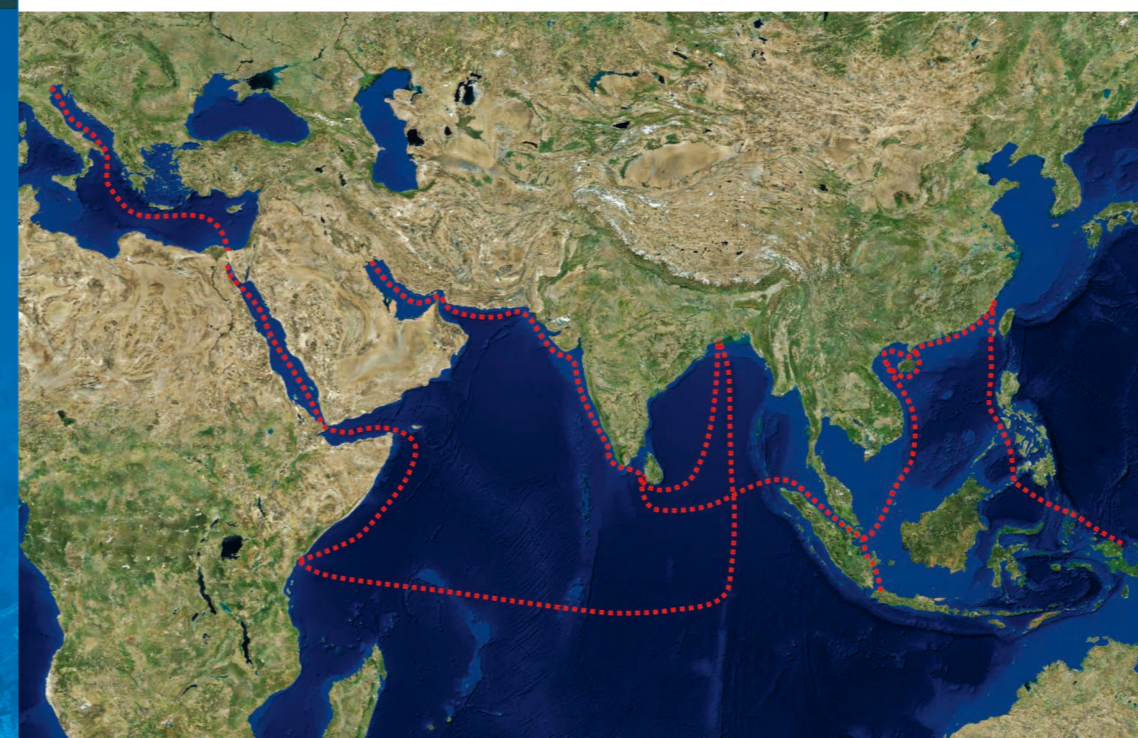
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Second Announcement

# International Symposium on Earth Observation for Maritime Silk Road (EMSR)



November 25-27, 2015  
Sanya · China

<http://EMSR2015.radi.ac.cn/>

Hosted by



Institute of Remote Sensing and Digital Earth (RADI), Chinese Academy of Sciences (CAS)

Sanya Municipal People's Government

Co-hosted by



The International Centre on Space Technologies for Natural and Cultural Heritage (HIST), under the Auspices of UNESCO



International Society for Digital Earth (ISDE)



CAS-TWAS Centre of Excellence on Space Technology for Disaster Mitigation (SDIM)



China Committee for Integrated Research on Disaster Risk (IRDR CHINA)



Hainan Provincial Department of Science and Technology



Department of International Affairs, China Association for Science and Technology (CAST)

Sanya Institute of Remote Sensing

Organizers



Hainan Key Laboratory of Earth Observation



Key Laboratory of Digital Earth Science, CAS



State Key Laboratory of Remote Sensing Science



State Key Laboratory of Resources and Environmental Information System

Hainan Tropical Ocean University





## Organization

### Symposium Co-Chairs

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WU Yanjun	Sanya Municipal People's Government

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Philippe DELANGH	UNESCO Cluster Office in Phnom Penh
Peou HANG	Authority for the Protection and Management of Angkor and the Region of Siem Reap (APSARA)
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Mario HERNANDEZ	International Society for Digital Earth (ISDE)
HU Dunxin	Institute of Oceanology, CAS
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David JOHNSTON	Integrated Research on Disaster Risk (IRDR) Scientific Committee
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Shahbaz KHAN	Regional Science Bureau for Asia and the Pacific UNESCO
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Milan KONECNY	International Society for Digital Earth (ISDE)
Leong Keong KWOH	Centre for Remote Imaging, Sensing and Processing, National University of Singapore
LIAO Xiaohan	National Remote Sensing Center of China (NRSCC)
LIN Hui	The Chinese University of Hong Kong, China
LIU Jianbo	Institute of Remote Sensing and Digital Earth (RADI), CAS
Sanath PANAWENNAGE	Arthur C. Clarke Institute for Modern Technologies
Van Cu PHAM	Vietnam National University, Hanoi
QIN Dahe	China Meteorological Administration
QIN Qiming	Peking University, China

SHI Jiancheng	Institute of Remote Sensing and Digital Earth (RADI), CAS
Basanta SHRESTHA	Strategic Cooperation of the International Centre for Integrated Mountain Development (ICIMOD)
Anond SNIDVONGS	Geo-Informatics and Space Technology Development Agency (GISTDA)
SONG Changqing	National Natural Science Foundation of China
SU Jilan	Second Institute of Oceanography (SOA)
Dewayany SUTRISNO	Indonesian Society for Remote Sensing (ISRS/MAPIN)
John van GENDEREN	University of Twente, Holland
WANG Qinglin	Department of International Affairs, China Association for Science and Technology (CAST)
ZHANG Bing	Institute of Remote Sensing and Digital Earth (RADI), CAS
ZHOU Chenghu	Institute of Geographic Sciences and Natural Resources Research (IGSNR), CAS

### Organizing Committee

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Vice Chair	
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WANG Cuizhen	University of South Carolina, USA
WANG Changlin	International Society for Digital Earth (ISDE)
Wu Yaoting	Hainan Tropical Ocean University
ZHANG Li	Institute of Remote Sensing and Digital Earth (RADI), CAS
ZHANG Xinfang	Department of Land and Resources of Hainan Province

### Secretariat

Secretary-General	ZHANG Li
Deputy Secretary-General	LIU Jie HONG Tianhua WANG Changlin

## Welcome

The Belt and Road Initiative, two major strategies in China to bring the world and China together in a new era of international cooperation is expected to fully open China to the outside world and boost China's economic cooperation with many of its neighbours and partners over the long-term. The 21st-Century Maritime Silk Road Initiative facilitates the connectivity between China and ASEAN (Association of Southeast Asian Nations) countries, enhancing exchanges and collaborations in marine economy, ecological protection, disaster management, science and technology innovation, heritage and tourism development, and other fields that are of mutual interest and benefit to China and ASEAN. The implementation of the 21st-Century Maritime Silk Road Initiative will profoundly influence the further integration of China and ASEAN into the global economy.

Earth observation technologies have the advantages of macro, rapid and accurate monitoring of changes of terrestrial ecosystems. They play a significant role in study of resources and environment from the perspective of national strategies and are of great significance for the construction of the 21st-Century Maritime Silk Road as well as for the preliminary planning and an overarching strategy for the Belt and Road Initiative. It is the mission of governments to support and strengthen the applications of space technologies and provide fundamental and scientific support for the 21st-Century Maritime Silk Road Initiative. Smart application of space technologies will be critical in ensuring sustainable development of natural resources and the conservation and management of critical ecosystems and cultural heritage. China, by sharing its skills and competencies in space technologies with ASEAN and other countries who will be partners in the development and implementation of the 21st-Century Maritime Silk Road Initiative will favourably optimize its reputation and diplomatic standing among its neighbours and partners over the long-term.

RADI, together with Sanya Municipal People's Government, will convene an International Symposium on Earth Observation for Maritime Silk Road (EMSR) in Sanya, Hainan, from 25 to 27 November 2015. The symposium is aimed to boost the communication and cooperation in space technologies among the countries along the Maritime Silk Road and explore the potential contributions of earth observation technologies that could make towards the establishment of a platform for high-level exchange between academics, research scientists and resource management practitioners.

Taking the advantages of Hainan and Sanya's geographic location as strategic strongholds along the 21st-Century Maritime Silk Road Initiative and RADI's strength in earth observation science and technologies, the symposium will focus on the theme of "Earth Observation for Maritime Silk Road Development". The symposium will include presentations and discussions on a number of themes, including digital earth and spatial information infrastructure, coastal and marine ecosystems, resources and environment, harbour and port cities development, disaster risk reduction, natural and cultural heritage, and tourism. The organizing committee has invited renowned experts and scholars to attend the symposium, in order to enhance its exchanges and cooperation among universities, research institutions, and policy makers and resource managers at home and abroad, thereby creating a favourable platform for international communication and collaboration.

You are all cordially invited to attend EMSR!

Symposium Co-Chairs

## Solicitation of Papers

### 1. Theme

The theme of the international symposium is 'Earth Observation for Maritime Silk Road Development'. The symposium will address the following topics.

#### Topic 1: Digital Earth and Spatial Information Infrastructure

- ◆ Digital Earth and Earth Observation System
- ◆ Network of Satellite, Constellation and Virtual Ground Station
- ◆ Data Sharing Infrastructure of Spatial Information
- ◆ Capability Construction of Satellite Data Processing and Application
- ◆ District Cooperation Mechanism on Spatial Information Application

#### Topic 2: Earth Observation for Coastal and Marine Ecosystems

- ◆ Acquisition, Analysis, and Simulation of Ocean Information
- ◆ Coastal Sustainable Development and Utilization
- ◆ Ocean Disaster Monitoring, Warning, and Assessment
- ◆ Ocean Resources and Environment of the South China Sea
- ◆ Ocean Environment and Global Change

#### Topic 3: Earth Observation for Resources and Environment Monitoring and Assessment

- ◆ Agriculture and Water Resources
- ◆ Land Use and Land Cover Change
- ◆ Eco-Environment and Global Change
- ◆ Energy and Mineral Resources Allocation

#### Topic 4: Earth Observation for Harbour and Port Cities Development

- ◆ Spatial Observation and Simulation for Urban Information
- ◆ Urban Development and Environmental Carrying Capacity
- ◆ Coping Strategies for Extreme Weather and Climate Change
- ◆ Urbanization and Global Change
- ◆ Theory and Method for Urban Sustainable Development

#### Topic 5: Earth Observation for Disaster Risk Reduction

- ◆ Information Extraction and Emergency Response to Natural Disaster
- ◆ Rapid Distribution, Sharing, and Integration of Disaster Information Product
- ◆ Sharing Infrastructure of Disaster Spatio-Temporal Information Product and Technique
- ◆ Regional Collaboration Mechanism for Disaster Risk Reduction

#### Topic 6: Earth Observation for Natural and Cultural Heritage, and Tourism

- ◆ Protection and Utilization of World Heritage
- ◆ Earth Observation for Global Change Impact on World Heritage
- ◆ Spatial Monitoring and Management of Natural and Cultural Heritage
- ◆ Archeological and Historical Changes of Maritime Silk Road
- ◆ Infrastructure Construction of Tourism Information about Natural and Cultural Heritage