

# The 14th International Symposium on Digital Earth

(Third Announcement)

April 21 – 25, 2025  
Chongqing, China

Theme: Digital Earth Facilitating  
Sustainable Development Goals

From April 21 to 25, 2025, the 14th International Symposium on Digital Earth, jointly hosted by the International Society for Digital Earth (ISDE) and Southwest University, will be held in Chongqing, China. With the theme of "Digital Earth: Facilitating Sustainable Development Goals", the conference aims at the hot frontiers and major scientific issues in the field of digital earth at home and abroad, promoting digital earth technology to play a greater role in achieving the SDGs. Taking this conference as an opportunity, it will also meet the major strategic needs of the construction of Digital Chongqing and comprehensively promote the implementation of Chinese modernization in Chongqing. Through this conference, experts and scholars from the scientific community, education sector, government departments, industry enterprises, international organizations and institutions in the field of global digital earth will be further gathered to share the latest theories, technologies and application progress of digital earth, exchange new ideas, new discoveries and new progress in technological innovation and application demonstration, thus contributing to the progress of digital earth science and technology in China and promoting the role of earth big data science and technology in major scientific discoveries and the national strategy of self-reliance and self-improvement in science and technology.

## Conference Date and Venue

**Date:** April 21 – 25, 2025  
(Registration on April 21, Conference Academic Exchanges on April 22 – 24, Technical Tour on April 25)

**Venue:** Chongqing Yuelai International Convention Center, China

## Conference Organizers

**Organizers:**  
International Society for Digital Earth (ISDE)  
Southwest University

**Hosts:**  
Chinese National Committee of the International Society for Digital Earth  
International Research Center of Big Data for Sustainable Development Goals  
School of Geographical Sciences, Southwest University  
Chongqing Yuelai Liangjiang International Hotel Conference Management Co., Ltd.

**Supported by:**  
Chongqing Liangjiang New Area Administrative Committee

**Co-organizers (in no particular order):**  
International Society for Photogrammetry and Remote Sensing  
IEEE Geoscience and Remote Sensing Society  
African Association of Remote Sensing of the Environment  
Moroccan Association of Remote Sensing of the Environment  
Bulgarian Cartographic Association  
Australian Surveying & Spatial Sciences Institute  
Faculty of Science, Masaryk University, Czech Republic  
Committee on Data of the International Science Council  
Alliance of National and International Science Organizations for the Belt and Road Region  
Digital Belt and Road Program  
Integrated Research on Disaster Risk of the International Science Council  
International Centre on Space Technologies for Natural and Cultural Heritage under the Auspices of UNESCO  
CAS-TWAS Centre of Excellence on Space Technology for Disaster Mitigation  
China Association for Science and Technology – United Nations Consultative Office on Integrated Research on Disaster Risk  
Neogeography R&D Group, Russia  
Indonesian Society of Remote Sensing  
Peking University  
Tsinghua University  
Beijing Normal University  
Wuhan University  
Nanjing Normal University  
The Chinese University of Hong Kong  
Capital Normal University  
China University of Geosciences (Wuhan)  
Ocean University of China  
Institute of Oceanology, Chinese Academy of Sciences  
Chongqing School, University of Chinese Academy of Sciences  
Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences  
School of Geography and Tourism, Chongqing Normal University  
School of Smart City, Chongqing Jiaotong University  
The Geographical Society of Chongqing  
State Key Laboratory of Remote Sensing Science  
Laboratory of Target Microwave Properties  
Key Laboratory of Earth Observation of Hainan Province, China  
Chongqing Jinpo Mountain Karst Ecosystem National Observation and Research Station  
Chongqing Engineering Research Center for Remote Sensing Big Data Application  
Chongqing Key Laboratory of Karst Environment

## Co-chairs of 14th ISDE

**Huadong Guo**  
Academician of the Chinese Academy of Sciences  
Honorary President of the International Society for Digital Earth

**Csaba Kőrösi**  
President of the 77th Session of the United Nations General Assembly

## Scientific Committee

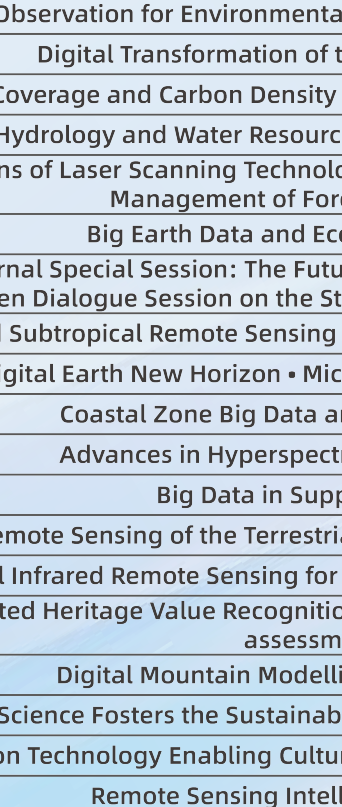
**Co-chairs:**  
**Guanhua Xu**  
Academician of the Chinese Academy of Sciences  
Former Minister of Science and Technology of China  
**Alessandro Annoni**  
President of the International Society for Digital Earth

## Organizing Committee

**Co-chairs:**  
**Changlin Wang** Secretary-General of the International Society for Digital Earth  
**Qiang Tang** Dean of the School of Geographical Sciences, Southwest University  
**Gretchen Kalonji** Former Assistant Director General for Natural Sciences, UNESCO

**Vice Chairs:**  
**Zhen Liu** International Society for Digital Earth  
**Dong Liang** Chinese National Committee of the International Society for Digital Earth  
**Fang Chen** International Research Center of Big Data for Sustainable Development Goals

## Keynote Speakers



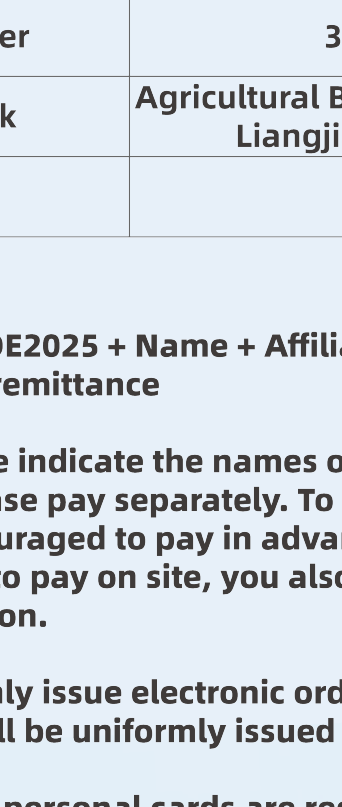
**Deren Li**  
Academician of the Chinese Academy of Sciences  
Academician of the Chinese Academy of Engineering  
China's Top Sci-Tech Award Winner



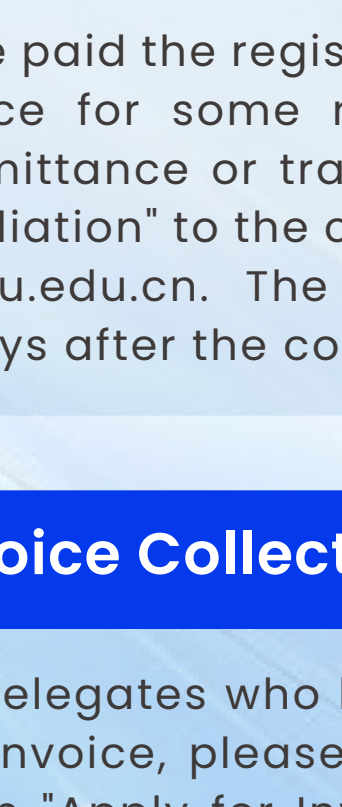
**Csaba Kőrösi**  
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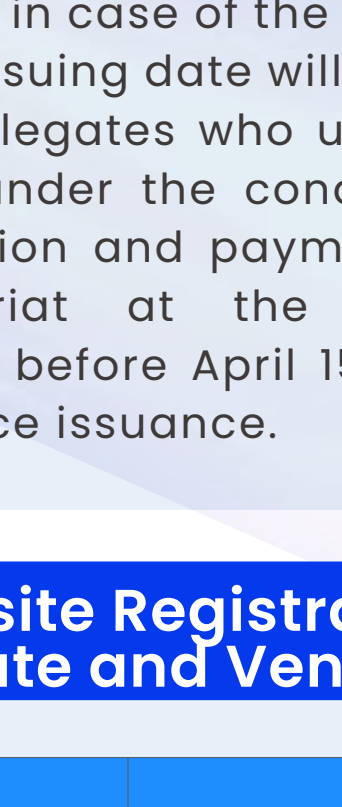
**Huadong Guo**  
Academician of the Chinese Academy of Sciences  
Honorary President of the International Society for Digital Earth



**Bojie Fu**  
Academician of the Chinese Academy of Sciences  
Chief-supervisor of the Geographical Society of China



**Alessandro Annoni**  
President of the International Society for Digital Earth



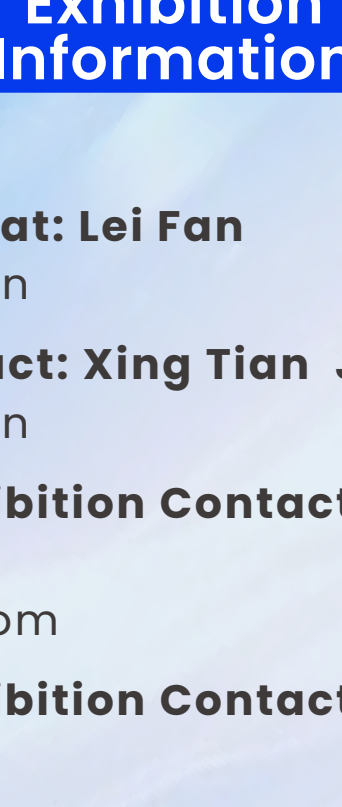
**Thomas Blaschke**  
Member of the Austrian Academy of Sciences



**David J. Coleman**  
Fellow of the Canadian Academy of Engineering



**Martino Pesaresi**  
Researcher of the European Commission's Joint Research Centre



**Hiromichi Fukui**  
Vice President of the Chubu University, Japan

## Conference Agenda

Time	All day	Programme
April 21	All day	Registration
April 22	Morning	Opening Ceremony
	Afternoon	Plenary Session
April 23	Morning	Plenary Session
		The Global Human Settlement Layer for monitoring the implementation of international frameworks
		Meteorology and the National Security
		Digital Earth in Action: Mapping Earth's Surface Changes and Quantifying Environmental Costs
		Remote Sensing Monitoring and Applications in Cloudy and Rainy Environments
		Satellite Observations for Carbon and Pollutant Source Monitoring and Management
	Afternoon	AI-Enabled Virtual Geographic Environments
		Smart Territory and Smart Transportation
		Demonstration application in the field of digital ocean
		Digital Hydrology and Water Resources for Sustainable Development
		New Theories, Technologies and Applications of Digital Watershed for Sustainable Development
		LiDAR Remote Sensing for Sustainable Development: Innovations and Applications in Digital Earth
April 24	Morning	Big Earth Data Sharing, Application and Service
		Harvesting the Power of Digital Tech for Regional Sustainability
		Science Challenges for the Digital Sustainable Development Goals
		Multi-Source Sensing for Urban Environment and Infrastructure
		Artificial Intelligence Empowering Digital Disaster Reduction
		Earth Observation for Environmental Impact Assessment of Mining
	Afternoon	Digital Transformation of the Agri-Food System
		Characterize Forest Coverage and Carbon Density Dynamics using Remote Sensing Technology
		Digital Hydrology and Water Resources for Sustainable Development
		The Applications of Laser Scanning Technologies for Sustainable Development and Management of Forest Ecosystems
		Big Earth Data and Ecosystem Services
		Big Earth Data Journal Special Session: The Future of Big Earth Data in the Context of Open Science + Open Dialogue Session on the Strategic Development of ISDE Journals
April 25	Morning	Tropical and Subtropical Remote Sensing Technology and Disaster Monitoring
		Digital Earth New Horizon - Microwave Earth Observation
		Coastal Zone Big Data and Remote Sensing
		Advances in Hyperspectral Remote Sensing
		Big Data in Support of LDM
		Remote Sensing of the Terrestrial Ecosystem Carbon Cycle
	Afternoon	Thermal Infrared Remote Sensing for Global Climate Change Analysis
		Space Tech-Oriented Heritage Value Recognition, preventive monitoring and sustainable assessment
		Digital Mountain Modelling and Application
		Digital Science Fosters the Sustainable Development in Earth's Poles
		Geo-Information Technology Enabling Cultural Heritage Conservation & Inheritance
		Remote Sensing Intelligence Mapping
April 26	Morning	Ocean Big Data: Intelligent Analysis, Reconstruction, and Application
		Remote Sensing Data Fusion and Geospatial Applications
		Harvesting Big Data, Remote Sensing, and Artificial Intelligence for SDG (Sustainability Nexus) Modelling
		Digital Ecology-From modelling advances to applied ecosystem management
		Harvesting Digital Agriculture for Sustainable Development
		Assessment and realization of the sustainable development of the three poles of the Earth
	Afternoon	Intelligent Extraction and Application of Sustainable Development Elements
		Optimizing Sustainable Development Paths for Social-Ecological Systems: Multi-Objective and Scenario Simulation Approaches
		Digitalization of Soil and Water Resources
		The Theory and Method of Information Geography in Advancing Natural Resource Development
		Transition of DBAR Science, Technology, and Innovation Implementation for Global Sustainability to 2030
		Application of Key Autonomous Driving Technologies in the Innovative Design of Remote Sensing Satellites
April 27	Morning	Remote Sensing of Plant Diversity from Terrestrial to Aquatic Ecosystems
		Development and Application of Data Mining & AI Algorithms in Spatial Earth Big Data
		Better Earth: Towards Global Harmony with Digital Earth
		Spatial Information Promoting Industry Development
		Youth-Led Earth Observation Innovation: DBAR East Ghana's Approach to Water-Energy-Land Nexus Management
		Closing Ceremony
	Afternoon	Poster exhibition
		Technical Tour

## Registration

### Registration Fees

Registration Categories	Registration Fees (By April 21, 2025)
Regular Participants	2800 RMB
Student Participants	1800 RMB
ISDE Individual Member	2300 RMB
ISDE Student Member	1500 RMB

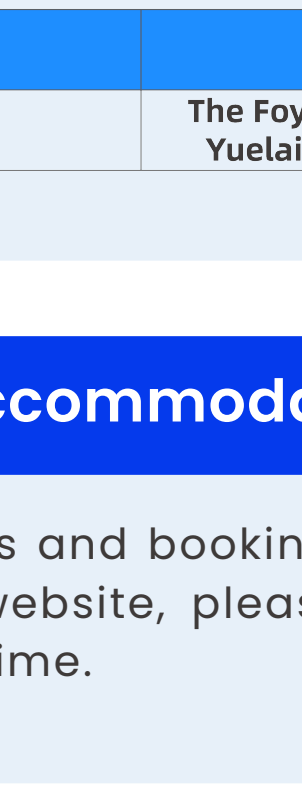
#### Remarks:

- The registration package does not include hotel accommodation fees.
- Student participants need to provide valid student certificates. Postdocs, laboratory technicians, etc. do not fall into the student category.

### Registration and Payment

Participants are requested to log in to the conference website for registration. Those who have previously registered by email can update or complete their registration information on the website. The conference website and registration QR code are as follows:

<https://isde2025.event.evttr.cn/>



(Registration QR code)

## Payment methods are as follows:

Remittance and Transfer	
Payee Name	Chongqing Yuelai Liangjiang International Hotel Conference Management Co., Ltd.
Registration Number	91500112592256287Y
Remittance Account Number	3108 1501 0400 00092
Name of the Opening Bank	Agricultural Bank of China Co., Ltd. Chongqing Liangjiang Yuanyang Sub-branch
Bank Identification Code	103653008152

#### Payment Instructions:

Please be sure to note "ISDE2025 + Name + Affiliation + Mobile Phone Number", and upload the remittance

For group payment, please indicate the names of group members. If separate invoices are required, please pay separately. To reduce waiting time in line, participants are encouraged to pay in advance by online scanning or remittance. If you choose to pay on site, you also need to register online and fill in the invoice information.

The registration fee will only issue electronic invoice with the name of the affiliation, which will be uniformly issued after the conference.

Participants who pay with personal cards are requested to confirm with their affiliation's finance department in advance whether they can be reimbursed. If reimbursement is not possible due to personal reasons, no refund will be made.

## Refund Matters

Participants who have paid the registration fee but cannot attend the conference for some reason can send the screenshot of the remittance or transfer voucher named "Refund + Name + Affiliation" to the conference secretariat email isde-2025@swu.edu.cn. The refund will be processed 30 working days after the conference.

## Invoice Collection

For all participating delegates who have already paid the fees and require an invoice, please log in to the conference website, click on "Apply for Invoice" in the personal center, and fill in the accurate invoicing information. Chongqing Yuelai Liangjiang International Hotel Conference Management Co., Ltd. will issue "conference service" invoices (both value-added tax electronic ordinary invoices and value-added tax special invoices) based on the remittance amount and send them to the email addresses filled in by the participating delegates. Generally, the invoices will be processed within 15 working days after the registration. However, in case of the monthly financial settlement, the invoice issuing date will be postponed. Therefore, participating delegates who urgently need invoices for reimbursement, under the condition of having confirmed their registration and payment, may contact the conference secretariat at the email address isde-2025@swu.edu.cn before April 15th, 2025 to apply for pre-conference invoice issuance.

## On-site Registration Date and Venue

Registration Date	Registration Venue
April 21, 2025	The Foyer on the First Floor of Chongqing Yuelai International Convention Center

## Accommodation

Recommended hotels and booking methods are detailed on the conference website, please pay attention to the participants at that time.

## Exhibition Information

This year's conference has an ad hoc platinum (24 m<sup>2</sup> of bare ground booth + second floor overpass advertising), gold (18 m<sup>2</sup> of standard booths × 2 + overpass advertising), silver (9 m<sup>2</sup> of standard booths + escalator advertising) three-tier sponsorship system; and set up a digital geo-technology application exhibition area in the core area of the conference. We welcome enterprises of digital earth related industries such as earth big data, artificial intelligence, earth observation and navigation technology, network technology, virtual reality technology, visualization technology, high performance computing and simulation technology, earth information processing integration technology, spatial data management and analysis software, sensor technology, surveying and mapping technology, etc. to participate and exhibit at the conference.



For more details, please contact Mr. Zheng at abc.zheng@c-qylicc.com.

## Exhibition Information

**Contact Us**  
**Conference Secretariat: Lei Fan**  
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**Forum/Session Contact: Xing Tian Jingwei Shen**  
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