

THE OFFICIAL NEWSLETTER OF THE ISPRS STUDENT CONSORTIUM

SPECTRUM

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MAPPING ON THE WEB: INTERACTIVE SOLUTIONS FOR A SPATIALLY CONNECTED WORLD

HIGHLIGHT

ISPRS
GEOSPATIAL
WEEK - 2025,
DUBAI

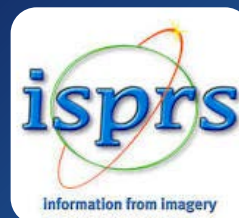
ISPRS SC
SUMMER
SCHOOL IN SRI -
LANKA

GEOSPATIAL
DIGITAL TWINS
FOR COMPLEX
SPATIAL SCENES

IFOV - DR.
MARIA ANTONIA
BROVELLI

ACRS - 2025 IN
MAKASSAR,
INDONESIA

TIF
ANNOUNCEMENT





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JOIN *THE* SPECTRUM *TEAM*

ENGAGE *WITH OUR GLOBAL NETWORK OF EXPERTS AND BE EMPOWERED*

We are constantly in search for passionate volunteers to be part of the ISPRS-SC Newsletter team. If you are a student or a young professional (between 20-35 years old), willing to lend your time and skills with the passion to tell stories, share knowledge and experiences, then join us as a **CONTRIBUTOR** to the Spectrum.

Have a passion for design, layout, and infographic? Be one of the volunteers of our **CREATIVE DESIGN TEAM** and help us in telling stories through pictures and images.

Take the opportunity to work with the international array of experts at **ISPRS SC** to bring the latest stories and developments in the field of Remote Sensing, Geomatics, and Photogrammetry.

If you are interested, please email us at sc.isprs@gmail.com. We look forward to hearing from you.

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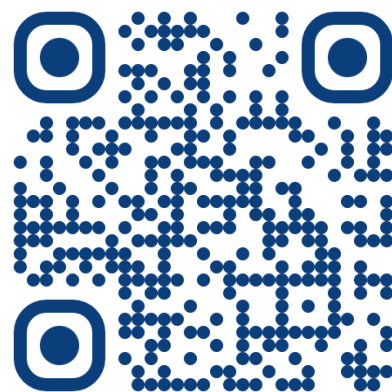


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SCAN *TO LEARN MORE*



MESSAGE *FROM THE* BOARD

The present issue explores activities, emerging challenges and novel opportunities within the evolving domain of ***web mapping for a spatially connected world***.

In the context of the digital era, the development and deployment of interactive maps offer unprecedented potential for representing spatial information on a global scale. These digital cartographic tools are increasingly integral to informed decision-making processes across a wide range of applications. More research and discourse are needed to integrate these mapping tools in different applications such as Digital Twin, Disaster Risk Reduction and Environmental Monitoring. Their ability to provide real-time visualization, diverse data integration, and dynamic scenario modeling can greatly enhance the accuracy and timeliness of decision-making.

We express our sincere appreciation to all contributors to this newsletter, with particular acknowledgment to ***Professor Maria Antonia Brovelli*** of Politecnico di Milano and ***Professor Bisheng Yang*** of the State Key Laboratory of Information Engineering in Surveying, Wuhan University. Their scholarly contributions to this issue and to the broader scientific discourse are both impactful and deeply valued.

Best Regards,

EFTHYMIOS GEORGIU

Newsletter Editor-in-Chief
[ISPRS SC]





OVERVIEW

Laxmi Thapa, President, and **Nicolas Pucino**, Vice President of the ISPRS SC, attended the ISPRS Geospatial Week, held in Dubai, UAE, from 7th to 11th April 2025.

The ISPRS SC hosted a booth in the exhibition hall, where Laxmi and Nicolas were supported by three other volunteers – Bikesh Bade from ESRI, Dristy Bajimaya from CIMMYT, Nepal and Bhavna Yadav, PhD student from Central University of Rajasthan, India.

We received several visitors, including students and professors, who inquired about the activities we have been undertaking for students and young professionals. We also discussed potential collaborative opportunities, such as summer schools, student chapters, and other ways to get involved with us, whether as general members or volunteers. We were pleased to share ISPRS SC-related souvenirs with our visitors.

Additionally, we had a fruitful discussion with Abdalla Alobeid, ISPRS Vice Regional Coordinator for the Arab States, regarding the possibilities of organising capacity-building initiatives for university students – an initiative we are enthusiastic about and look forward to collaborating on in the near future.



Dristy Bajimaya and Bikesh Bade, our day 1 volunteers



Bhavna Yadav, our volunteers for the day 2, 4 and 5



Abdalla Alobeid, ISPRS Vice Regional Coordinator for the Arab States at our booth after the meeting



ISPRS Council visiting the booth of the ISPRS SC

The 8th of April

We had a meeting with the ISPRS Council, during which we presented the activities undertaken since our last briefing at the mid-term symposium in Brazil. We also outlined our planned activities for 2025 and discussed several agenda items, including the rebranding of the ISPRS SC's name and logo to make it more inclusive of early-stage professionals and researchers. We were greatly encouraged by the Council's supportive commitments to our agenda.



Figure: Em. Professor Dr Armin Gruen, President of the ISPRS White Elephant Club at our booth

The 9th of April

We participated in the **Student and Young Professionals (SYP) Event**. During the opening ceremony, Laxmi delivered a presentation titled 'From Knowledge to Network: The Impacts of ISPRS SC on Students and Early-Stage Researchers' during the opening ceremony.

The first half of the event, held at the GSW venue, was highly engaging, with panel discussions and presentations by students, young professionals, and professors. The second half comprised a tour of the Sharjah Academy of Astronomy, Space Sciences & Technology (SAASST). All participants had the opportunity to experience the SAASST Planetarium and take part in a tutorial session, followed by dinner at the Academy.

The 10th & 11th of April

We continued engaging with visitors at our booth. We also held a meeting with Emeritus Professor Dr Armin Gruen, President of the ISPRS White Elephant Club. It was encouraging to have discussion about the activities that we could do together in future with their support.

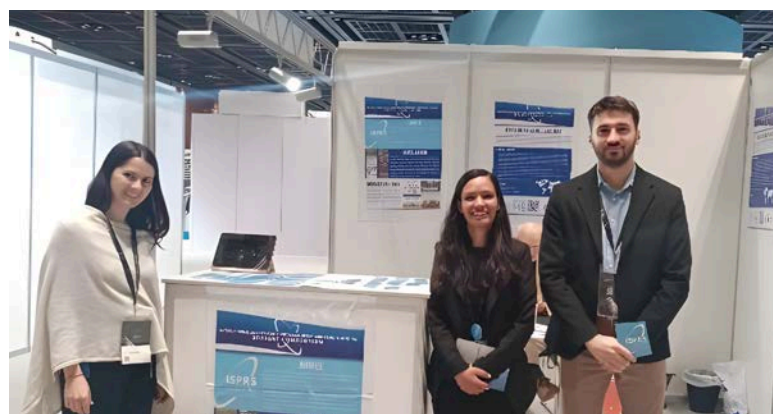


Figure: Representatives of the ISPRS International Journal of Geo-information - MDPI publishers at our booth

GEOSPATIAL WEEK ACTIVITIES

We are grateful to the **ISPRS** for providing financial support for our travel and souvenirs. In-person events like this are instrumental in showcasing the activities undertaken by the ISPRS SC across the globe and in facilitating interactions with our collaborators, members, the Council, and various ISPRS Working Groups, with whom we usually communicate virtually. Likewise, we extend our sincere thanks to our volunteers, who ensured the ISPRS SC booth was handled by knowledgeable representatives to keep visitors informed about our initiatives.

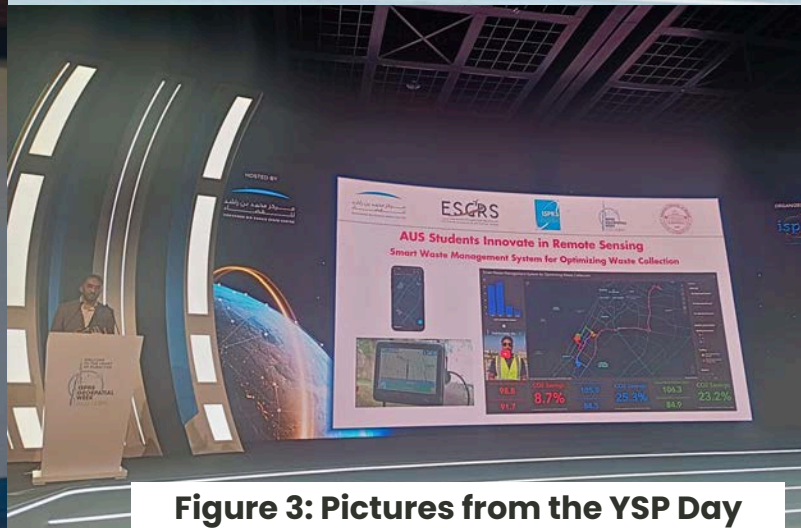


Figure 3: Pictures from the YSP Day

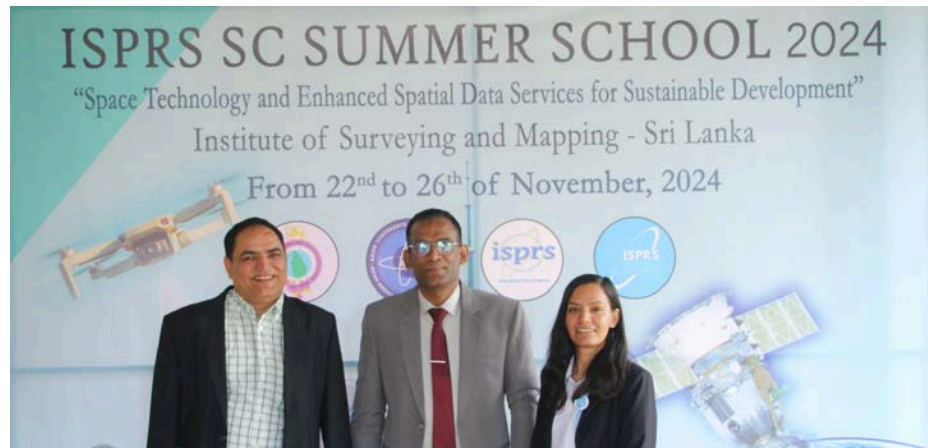
ISPRS SC SUMMER SCHOOL

*“SPACE TECHNOLOGY AND ENHANCED SPATIAL
DATA SERVICES FOR SUSTAINABLE
DEVELOPMENT”*

OVERVIEW OF THE SUMMER SCHOOL

The **ISPRS SC Summer School 2024** was held at the Institute of Surveying and Mapping (ISM) in Diyatalawa, Sri Lanka, from November 22nd to November 26th. The theme of the Summer School was "Space Technology and Enhanced Spatial Data Services for Sustainable Development". This event was conducted as a post-event of the 45th Asian Conference on Remote Sensing (ACRS) 2024.

The Summer School was organized by ISM in collaboration with the International Society for Photogrammetry and Remote Sensing (ISPRS) Student Consortium, the Asian Association of Remote Sensing (AARS), and the Sri Lanka Survey Department. A total of **22 participants** from five nations (**Nepal, India, Japan, Thailand, and Sri Lanka**) attended.



The participants included **6 females and 16 males** representing diverse sectors, such as undergraduate students, researchers, professionals, and academic faculty. The program featured technical sessions led by international and local geospatial scientists, hands-on exercises, and a cultural excursion.



SUMMER SCHOOL ACTIVITIES



SUMMER SCHOOL ACTIVITIES

The five-day Summer School program included a mix of technical sessions, industry-led demonstrations, hands-on group activities, and networking opportunities. Below is a summary of the activities:

DAY 1: November 22, 2024

The first day began with the registration of participants, followed by the inauguration ceremony, which officially marked the commencement of the Summer School. Dignitaries delivered inspiring speeches, highlighting the significance of space technology and geospatial applications for sustainable development. After the inauguration, participants attended technical sessions on "3D City Models and Related Applications" and "Data Capturing for 3D Modelling Using Multi-Source Images." The day concluded with an industry session on "UAV-Based Image Acquisition for 3D Model Applications," where participants gained practical insights into advanced geospatial technologies.



DAY 2: November 23, 2024

The second day focused on the integration of UAV images and sensors for smart agriculture practices. Technical sessions explored applications of UAV images and remote sensing sensors in agricultural monitoring and management. Aerotech Engineering Survey PVT LTD and Global GIS PVT LTD, the two prominent Geospatial Institutions in Sri Lanka conducted an industry session showcasing the latest innovations in geospatial technology. The evening featured a vibrant networking session and social night, where participants engaged in cultural performances, informal discussions, and a shared dinner, fostering a spirit of collaboration and camaraderie.



DAY 3: November 24, 2024

The third day was dedicated to enhancing disaster mitigation strategies through remote sensing and GIS. The morning began with an engaging technical session on the topic, followed by a field excursion to notable landmarks in Ella, Sri Lanka. During the excursion, participants observed the practical applications of geospatial technologies and enjoyed the scenic beauty of the region. The day offered an opportunity to blend academic learning with cultural experiences.



DAY 4: November 25, 2024

Land management and spatial data services were the focus of the fourth day. Participants attended technical sessions covering topics such as "Enhanced Spatial Data Services for Land Information Systems (LIS)" and "Designing and Implementing Spatial Data Services for LIS." The hands-on group activities involved designing spatial data service platforms for a hypothetical land management scenario, encouraging participants to apply their knowledge creatively.



DAY 5: November 26, 2024

The final day of the Summer School centered around group project presentations. Participants showcased their innovative solutions developed during the group activities. The closing ceremony featured reflections on the Summer School experience, distribution of certificates, and a group photo session to commemorate the event. Participants also shared their feedback, expressing gratitude for the enriching learning experience and the opportunity to network with peers and experts.





INAUGURATION CEREMONY

The inauguration ceremony took place on November 22nd, 2024, marking the official commencement of the Summer School. The event featured welcome addresses by key dignitaries, including Mr. F.L. Karunaratne, Chairperson of the Organizing Committee, who warmly welcomed the attendees, and Mr. U.M.A.B. Alahakoon, Additional Surveyor General of the Sri Lanka Survey Department, who provided insightful remarks. Prof. Ing. Lena Halounova, President of ISPRS, delivered a virtual opening address, highlighting the global significance of space technology. Ms. Laxmi Thapa, President of the ISPRS Student Consortium, introduced the consortium's objectives, and Dr. Sameer Saran, a representative from AARS, gave a special address focusing on collaboration in geospatial sciences. These speeches set a motivational tone for the event, emphasizing the importance of space technology and geospatial applications for sustainable development and encouraging active collaboration among participants.

FIELD EXCURSION

Participants visited two prominent sites: the Nine Arches Bridge, a marvel of colonial-era railway construction, and the Rawana Waterfalls, a scenic natural attraction. These landmarks provided insights into the integration of geospatial technologies in mapping and conservation efforts. The excursion provided a unique opportunity to integrate theoretical knowledge with practical observations while fostering cultural exchange and networking among participants.

SOCIAL NIGHTS

The networking session and social night on Day 2 created an informal platform for participants to interact and build professional relationships. The event included cultural performances, informal discussions, and a dinner, promoting camaraderie among attendees from diverse backgrounds and disciplines.

CLOSING CEREMONY

The closing ceremony on November 26th, 2024, marked the conclusion of the Summer School. The event featured group project presentations by participants, reflections on the Summer School experience, distribution of certificates, and a group photo session. Participants also shared their feedback on the program, highlighting the enriching learning experience and opportunities for collaboration. Organizers and participants expressed gratitude for the enriching learning experience and opportunities for collaboration.



GEOSPATIAL DIGITAL TWINS FOR COMPLEX SPATIAL SCENES

This project, entitled **Key Technologies and Applications of Digital Twins in Complex Spatial Scenarios** (PI: Prof. Bisheng Yang), funded by Ministry of Science and Technology of China, aims to address key challenges, namely the comprehensive perception, accurate control of behavioral states, and precise prediction in open spaces. It focuses on the development of key technologies, including: collaborative acquisition of complex spatial scene features, cross-domain spatiotemporal information fusion and intelligent extraction of features state, multi-scale digital twin modeling of the full lifecycle of complex spatial scenes, and iterative optimization for situational awareness and digital-physical feedback. Based on breakthroughs in theory, methodology and core technologies, a digital twin platform for complex spatial scenes is developing to bridge the gap between digital space and physical space, to fulfill the urgent requirements in urban lifelines, smart cities, and key infrastructures maintenance.

During the last three years, the project has achieved significant progress in theory, reality capture equipment and technology, and system prototype.

Firstly, the project proposes a new theory framework to seam “*structure–function–behavior*” of geospatial entities. This addresses spatial-temporal representation, coupling relationships, and the dynamic behavior modeling of multi-granularity entities in lifecycle, meeting the needs of integrated management and systematic governance of urban spatial scenarios. In response to issues such as unclear mechanistic processes, ambiguous system dynamics, and poor coordination among departments in complex spatial scenes, the project systematically defined the boundaries of urban situational knowledge, established a classification system for urban situations, and developed conceptual models for identifying over ten categories of major urban public events.



Bisheng Yang

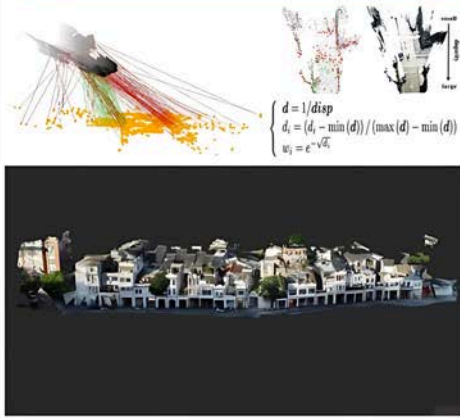
Prof Bisheng Yang is currently a professor of Geomatics Engineering and the director at the State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (LIESMARS) of Wuhan University. His research expertise includes laser scanning and photogrammetry, point cloud processing and GIS applications.

The theories support high-fidelity analysis and digital-physical feedback in digital twin cities.

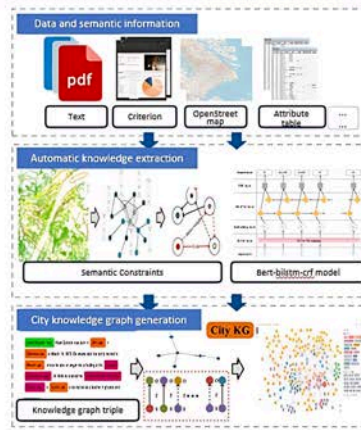


Key technologies

Fine-grained scene perception



Information Twin Modeling



The interplay between form and substance

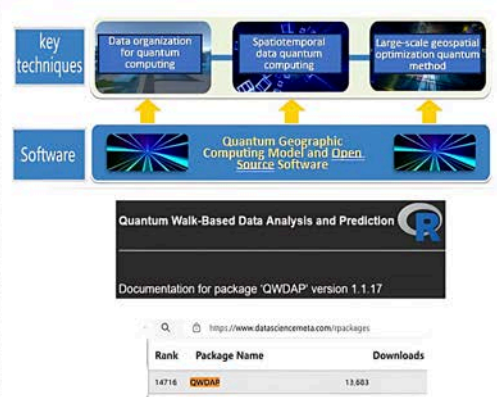


Figure 3. Key Technologies of Digital Twin for spatial scenes

Thirdly, the project implemented several key technologies for cross-domain spatiotemporal information fusion and intelligent extraction of features state. A high-precision multi-modal fusion method with both geometry and semantics, was developed to unify the spatiotemporal benchmarks of satellite, aerial, and terrestrial point clouds and images, enabling fast, efficient, and robust cross-domain features extraction and prediction. Moreover, the method for consistent expression of structural and functional changes was designed to enable rapid change detection and model updates for digital twin scene modeling and generation. Moreover, the method supports the iterative optimization and digital-physical feedback between simulation and physical world observations.

Finally, a digital twin system prototype was implemented by integrating the above-mentioned theory, model and methods with a cloud-native framework. The digital twin system has several advantages in terms of high efficiencies in digital-physical feedback, spatial computing and analysis, which supports Digital Public Infrastructure Project of Hubei province in China for urban lifelines, public safety, industrial safety, and natural disaster prevention.

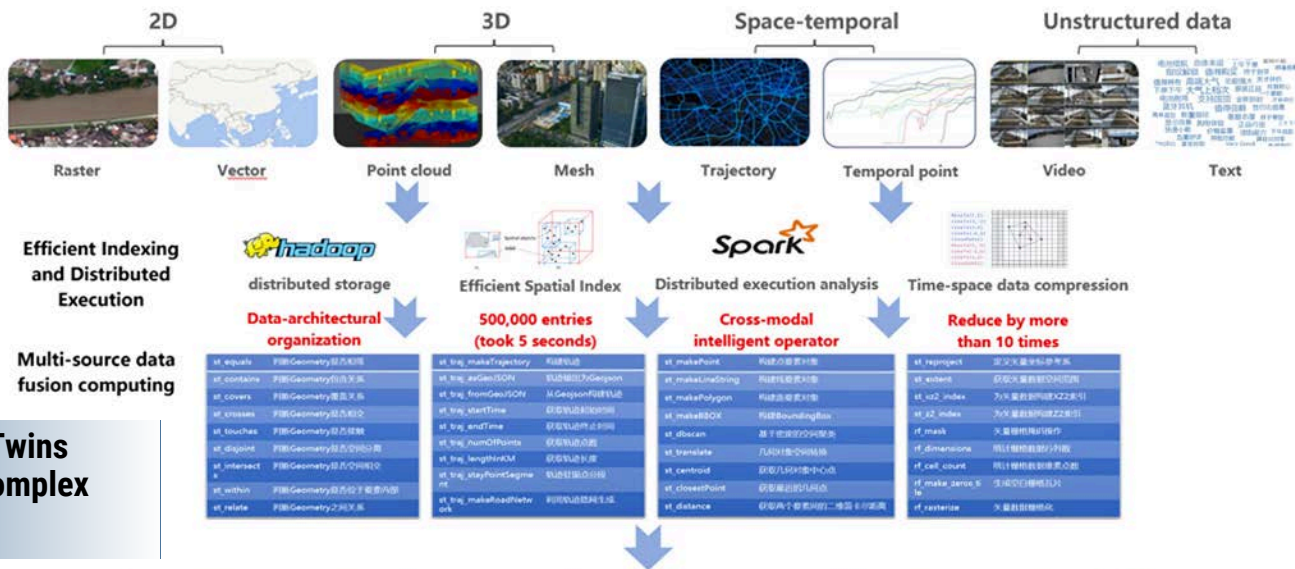
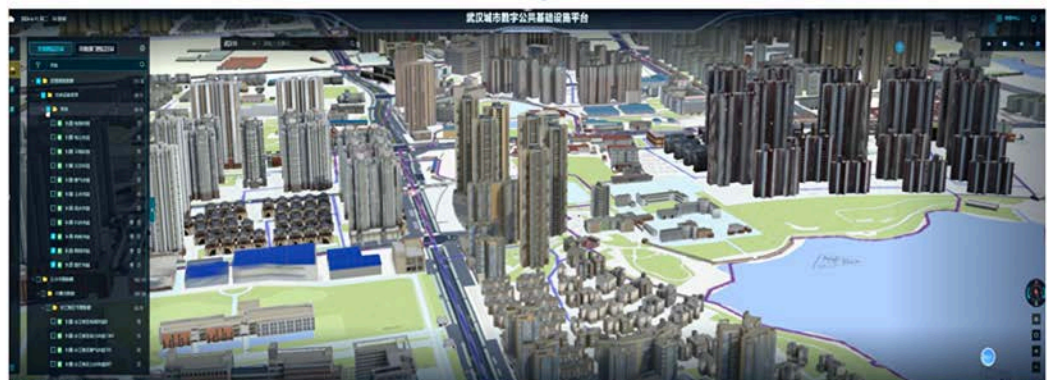


Figure 4. Digital Twins applications in Complex Spatial Scenarios



I F O V

IMPORTANT
FOCUSED
OUTSTANDING
VALUABLE

Full Name: Maria Antonia Brovelli

<https://www.gisgeolab.polimi.it/pages/team.html>

Current Position: *Full Professor* of GIS, Earth Observation and The Copernicus Green Revolution for Sustainable Development

Affiliation: Politecnico di Milano – Department of Civil and Environmental Engineering

Research Interests and Expertise: Geospatial Science, Earth Observation



Dr. Maria Antonia Brovelli

Maria Antonia Brovelli is a distinguished academic and researcher with a background in Physics and a Ph.D. in Geodesy and Cartography. She is a Professor of GIS, Earth Observation and The Copernicus Green Revolution for Sustainable Development at *Politecnico di Milano (PoliMI)*.

Having dedicated her entire career to PoliMI, she began as a researcher and later became a Full Professor, also serving as the Vice-Rector of PoliMI for the Como Campus. Her contributions extend beyond academia and currently she holds key positions in various international organizations. She serves as the **Vice President** of the *ISPRS Technical Commission on Spatial Information Science*, **Co-Chair** of the *United Nations Open GIS Initiative*, and **former Chair and current member** of the *Advisory Board of the UN-GGIM Academic Network*. Additionally, she has been involved in *ESA's Advisory Committee of Earth Observation (ACEO)*.

Her research in geomatics covers diverse areas, including geodesy, radar-altimetry, GIS, webGIS, VGI, Citizen Science, Big Geo Data, and GEOAI. Prof. Brovelli is a global leader in *Open-Source GIS*. She has an impressive publication record and has been involved in numerous national and international research projects.

Prof. Brovelli's recent research projects include collaborations in *Horizon2020*, *Interreg*, *Erasmus+*, and initiatives with organizations like *ESA*. Recognizing her contributions, she has received awards such as the *ISPRS President's Honorary Citation in 2020* and the *Sol Katz Award from OSGeo in 2015*. She also holds editorial roles in reputable journals, emphasizing her influence and leadership in the field.

1

Can you tell us about your current research? In your own opinion, why is your research important?

My current research focuses on open geospatial data and technologies, with a special emphasis on remote sensing, volunteered geographic information, and the use of artificial intelligence to address sustainable development challenges. A key part of this work involves exploring how open data and open source tools can enhance environmental monitoring, urban resilience, and support decision-making processes for the Sustainable Development Goals (SDGs). I believe this research is important because it promotes transparency, inclusiveness, and global collaboration. By combining scientific methods with open innovation and citizen participation, we can create solutions that are both technically robust and socially relevant. This approach not only advances the scientific field but also empowers communities and policymakers to make informed decisions in the face of pressing environmental and societal challenges.

2

What inspired you to work in this field, and what do you consider your greatest achievement?

I have always been fascinated by the power of geographic information to help us better understand complex environmental and societal challenges. Early in my career, I was drawn to the transformative potential of remote sensing and geospatial technologies, and over time this evolved into a deep commitment to openness and collaboration. A turning point for me was realizing how open source GIS and open data could democratize access to powerful tools and knowledge, making it possible for institutions like the United Nations, as well as local communities, to address the SDGs more effectively. Being part of initiatives that promote open source GIS within the UN system has been especially meaningful, as it helps ensure that high-quality geospatial tools are freely available where they are most needed. I also see my involvement with the AI for Good initiative of the International Telecommunication Union (ITU) as a key part of this journey. AI for Good creates a unique platform to connect experts across disciplines and sectors to harness artificial intelligence for social and environmental good.

Overall, I consider my greatest achievement to be contributing to the growth of a global community that believes in open science, open source, open data and shared innovation — connecting researchers, practitioners, and citizens to create real, measurable impact.

3

Can you tell us if you use any kind of web platform for your research related to geospatial domain? If so, how important do you think it is to use cloud computing platforms these days?

Yes, I regularly use web-based open source GIS platforms to share and analyze geospatial data, often in collaboration with global communities and institutions such as the UN — for example, the GeoHub of UNDP. Cloud computing has become essential today, as it enables us to process large Earth Observation datasets, run AI models, and share results efficiently and transparently. This makes our research more scalable, accessible, and impactful. However, it is equally important to ensure that cloud solutions themselves are sustainable and inclusive. “Leave no one behind” and sustainability are the two guiding principles that should shape our approach in this area as well.

4

What are the most important areas of research you’d like to see tackled over the next ten years?

One of the most important areas is the ethical use of AI in geospatial information. As AI becomes more powerful, we need to ensure it is applied responsibly, transparently, and inclusively, so that it truly serves society rather than reinforcing existing inequalities.

Another priority is using geospatial data and AI to address the big global challenges we face — from climate change to urbanization and disaster risk reduction. I believe the SDGs provide an essential framework: they offer a shared metric for interpreting the world’s problems and help guide research and innovation in the right direction.

In short, I would like to see the next decade of research focused on using AI and geospatial technologies not just for technical advancement, but to deliver measurable progress toward sustainability, equity, and resilience.

What are some of the biggest challenges you face as a scientist in your field? Are there any common misconceptions about this area of research?

One big challenge is to connect technological innovation with real impact in society. We have very powerful tools and large amounts of geospatial and Earth Observation data, but it is not always easy to transform this into practical solutions that help decision-makers, especially in places with limited resources.

Another challenge is to make sure that open data and AI are used in an ethical and inclusive way, so that everyone can benefit and inequalities are not made worse.

A common misconception is that geospatial research is only about making nice maps or doing technical analysis. In reality, it is about understanding complex environmental and social problems and helping to find solutions — often by working together across different disciplines and involving people directly.

What lessons or tips would you like to share with students and young researchers who are just starting their careers in your field?

My first advice is to stay curious and never stop wanting to learn and understand. Cultivate generosity in your work: science is not only about individual achievement, but about sharing knowledge and collaborating to help society move forward. Always remember the importance of the collective dimension: we live together on this planet, which is like our shared spacecraft traveling through space. The challenges we face — from climate change to inequality — can only be solved if we think and act as a global community. Therefore, keep an open mind, work with others across disciplines and cultures, and remember that our goal as researchers is not only to know more, but to help build a better and fairer world for everyone.



ACRS 2025

THE 46TH ASIAN CONFERENCE ON REMOTE SENSING

"Harnessing Remote Sensing for Global Sustainability and Innovation"

MAKASSAR - INDONESIA • 27 - 31 OCTOBER 2025

INTRODUCTION

We are thrilled to welcome you to the 46th Asian Conference on Remote Sensing (ACRS 2025), set to take place in the vibrant city of Makassar, South Sulawesi, Indonesia, from 27th to 31st October 2025. This prestigious event is organized by the Asian Association on Remote Sensing (AARS) and the Indonesian Society for Remote Sensing (MAPIN/ISRS), in collaboration with Universitas Hasanuddin, the Government of Makassar City, and the Maros-Pangkep UNESCO Global Geopark. The conference will highlight innovative solutions and transformative approaches in remote sensing, emphasizing its vital role in tackling global challenges such as climate change, sustainable development, and resource management. Attendees will have the unique opportunity to exchange knowledge, showcase groundbreaking research, and foster collaboration in this dynamic field. It will also provide a platform to share technical expertise and academic experiences, promote remote sensing operations and applications, and discuss geospatial information management for effective utilization. Moreover, the conference aims to strengthen regional cooperation among member countries, fostering partnerships and innovation.

Opening Speech:



Prof. Brian Yuliarto, Ph.D.
Minister of Research,
Technology and Higher Education
of Indonesia



Prof. Kohei Cho
Secretary General of
Association of Asian remote sensing



Prof. Dr.-Ing. habil. Christian Heipke
ISPRS



Dr. Agustan
ISRS/Mapin

Plenary Speakers:



Francesco Pirotti (Italy)



Wataru Tekauchi (Japan)



Mazlan Ibrahim (Malaysia)



Sumbangan Baja (Indonesia)

Special Session Speakers:



Junichi Susaki (Japan)



Dr. Sameer Saran (India)



Nurjannah (Indonesia)



Syamsurijal (Indonesia)

CALL FOR ABSTRACT

We invite researchers, scholars, and professionals worldwide to submit abstracts for the 46th Asian Conference on Remote Sensing (ACRS 2025). This event provides a premier platform to share groundbreaking research, innovations, and applications in remote sensing, promoting collaboration and progress in addressing global challenges. Join us in advancing the future of remote sensing! The Conference Proceedings will be indexed by Scopus.

IMPORTANT DATES

Extended Submission Abstracts Deadline
July 27, 2025

Acceptance Notification
August 10, 2025

Full Paper Submission Deadline
September 7, 2025

Conference Dates
October 27 - 31, 2025

AWARDS

- 1) Chen Shupeng Award (China)
- 2) Choen Kim Award (Korea)
- 3) Green Asia Award (Chinese Taipei)
- 4) AARS Innovation Award
- 5) ISRS Asian Geospatial Award (India)
- 6) JSPRS Award (Japan)
- 7) Shunji Murai Award (Japan)
- 8) Student and Young Scientist Paper Award (LOC)

For more detail and latest Information, please visit ACRS 2025 official website

www.acrs2025.mapin.or.id



Asian Conference on Remote Sensing 2025

VENUE CITY & HOTEL



VENUE CITY Makassar, the bustling capital of South Sulawesi, Indonesia, offers a harmonious blend of history, culture, and natural wonders. Renowned for its iconic Fort Rotterdam, a legacy of colonial times, and the scenic Losari Beach, the city is a haven for history enthusiasts and sunset lovers alike. Its rich culinary tradition, featuring delights like Coto Makassar, attracts food enthusiasts from around the globe. Just beyond the city, the Maros-Pangkep UNESCO Global Geopark enchants visitors with its striking karst formations and ancient caves. As a hub for trade, education, and innovation, Makassar stands as a perfect venue for the 46th Asian Conference on Remote Sensing.

VENUE HOTEL The Rinra Hotel, Makassar, offers a prime location with stunning views of the Makassar Strait. Situated just 30 minutes from Sultan Hasanuddin International Airport, the hotel is conveniently close to vibrant shopping destinations, renowned local restaurants, cultural attractions, and premium accommodations.

Why Sponsor The ACRS 2025?

Global Exposure: Reach an international audience of experts, industry leaders, and decision-makers.

Brand Visibility: Showcase your organization as a leader in the remote sensing and geospatial industries.

Networking Opportunities: Build meaningful connections with professionals, researchers, and potential clients.

Thought Leadership: Position your organization as a key player in the future of remote sensing by participating in high-profile sessions and panels.

REGISTRATION FEE

The registration fees for the 46th Asian Conference on Remote Sensing (ACRS 2025) are structured to accommodate various participant categories, ensuring accessibility for both international and local attendees. The fees are divided into three categories: Foreign Participants, Local Participants, and Local University Students (Undergraduate Only).

Early Bird Registration 1st March – 31st July

Foreign Participants:
150 USD
Foreign Students:
130 USD
Local Participants:
Rp 1,500,000
Local University Students:
Rp 750,000

Normal Registration 27th July – 27th October

Foreign Participants:
200 USD
Foreign Students:
150 USD
Local Participants:
Rp 2,000,000
Local University Students:
Rp 1,000,000

TOPIC CATEGORY

We welcome contributions on a wide range of topics, including but not limited to:

General Remote Sensing

Advances in sensor technology, data acquisition methods, image processing, and analytical techniques.

Applications of Remote Sensing

Innovative uses of remote sensing in various domains such as agriculture, forestry, urban planning, disaster management, environmental monitoring, and climate change.

Emerging Technologies

Integration of remote sensing with AI, machine learning, cloud computing, and big data analytics.

Geospatial Data Integration

The combination of remote sensing data with GIS and other spatial data systems for enhanced decision-making.

SPONSORSHIP OPPORTUNITIES

We are delighted to offer an exclusive opportunity for companies and organizations to partner with the 46th Asian Conference on Remote Sensing (ACRS), a prestigious global event that brings together experts, innovators, and decision-makers in the field of remote sensing. As a sponsor, your organization will gain unparalleled visibility and the chance to engage with leading professionals and researchers worldwide.

EVENT HIGHLIGHT

The 46th Asian Conference on Remote Sensing (ACRS 2025) offers a series of dynamic events designed to inspire innovation, foster collaboration, and enhance knowledge in the field of remote sensing. Below are the key highlights:

Technical Sessions : The core event showcasing cutting edge technology and innovation in remote sensing

White Elephants: Tutorials by the famous professors for young scientists and students.

WEBCON: Web-based software contest for students and young scientists.

Workshops: Remote Sensing Thematic Applications

General Conference: The official meeting of AARS members (closed meeting)

Awards: Recognition for outstanding contributions in remote sensing.

Technical Exhibition: Displays the latest technological advancements in remote sensing.

Banquet and Cultural Night: A gala celebrating culture and collaboration.

Summer Schools: Educational programs for students and young professionals.

Sustainable Development Goals

Contributions of remote sensing towards achieving the United Nations Sustainable Development Goals, with a focus on land use, water resources, biodiversity, and energy.

Optional Tours: Satellite Ground Station, Spermonde Islands, UNESCO Global Geoparks

Sponsored by :



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SPECIAL ANNOUNCEMENT



XXV ISPRS CONGRESS
TORONTO, CANADA | 4-11 JULY 2026
FROM IMAGERY TO UNDERSTANDING



CLICK THE LINK TO APPLY

Online applications to enter the selection process for TIF Travel Grant Awards to attend the ISPRS Congress will open on **1 December 2025**, at

https://www.isprs.org/foundation/forms/Travel_Grants.aspx.

**TIF
TRAVEL
GRANTS**
Call for Applications

A limited number of **TIF Travel grants** will be offered to enable deserving young authors and officially designated delegates, especially from developing countries, to participate in the **XXV ISPRS Congress** to be held in Toronto, Canada from **4-11 July 2026**. TIF Funds are derived from benevolent individuals, White Elephant Club members, Congress Assistance Grants and the ISPRS Council. Grants will be awarded according to a rigorous selection process as well as the conditions of each of the awards, but is quite sure that there are not enough funds to fully fund all selected candidates. Therefore, it is strongly recommended that applicants also seek additional funds from other sources.

IMPORTANT DATES

- TIF Travel Grant Applications Open: **December 1, 2025**
- TIF Travel Grant Application Submissions Deadline: **January 12, 2026**
- TIF Travel Grant Notification: **February 16, 2026**

UPCOMING *EVENTS*

CONFERENCE / EVENT	MAIN FOCUS	LOCATION	DATES
Asian Conference on Remote Sensing (ACRS) 2025	Photogrammetry, Remote Sensing	Makassar Indonesia	27-31 Oct 2025
NEXT GEO 2025	Geospatial Technology, Smart Cities	Jaipur India	07-09 Nov 2025
LAGIRS 2025	Various: GeoTech4Frontiers, Environment and Ecology	Foz do Iguaçu Brazil	10-13 Nov 2025
PGRS User Conference	GIS, Remote Sensing	Suva Fiji	24-27 Nov 2025
GEOBENCH	Geospatial Data, Sensors, Systems	Wroclaw Poland	20-21 Nov 2025
ISPRS SC Summer School (Post ACRS event)	Remote Sensing Application, Agricultural Resilience	Maros, Indonesia	1-5 Nov 2025
State of the Map 2025 (SotM)	OpenStreetMap, GIS, Community Mapping	Manila, Philippines (hybrid)	3-5 Oct 2025
INTERGEO 2025	Geodesy, GIS, Land Management	Frankfurt, Germany	7-9 Oct 2025
ISPRS 8th Geospatial Conference 2025	GIS, Photogrammetry, Remote Sensing	Tehran, Iran	15-17 Dec 2025

SCHOLARSHIPS *AND* OPPORTUNITIES

POSTDOC

✓ CUS - PostDoc in Digital Technologies and Urban Health

Institute: Mohammed VI Polytechnic University

Location: Benguerir, Morocco

[CLICK
TO APPLY](#)

✓ Postdoctoral researcher in remote sensing and geomatics

Institute: Université de Caen Normandie

Location: Caen, France

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✓ University Assistant with a Doctorate in Geoinformation

Institute: Graz University of Technology

Location: Graz, Austria

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TO APPLY](#)

PHD

✓ PhD Positions - Research Centre for AI in Geomatics

Institute: The Hong Kong Polytechnic University

Location: Hong Kong

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✓ PhD position in Environmental Geosciences

Institute: Aix-Marseille Université

Location: France

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✓ PhD candidate – Aptamer-Based Biosensor Platforms

Institute: Koc University

Location: Istanbul, Türkiye

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✓ PhD Studentship

Institute: University of Aberdeen

Location: Aberdeen, UK

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JOB OPPORTUNITIES

✓ Climate & Space Associate

Organisation: Caribou
Location: Europe (Remote)

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✓ Professorship in Photogrammetry

Institute: Graz University of Technology
Location: Austria

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✓ Senior Developer

Institute: Ordnance Survey (for Geovation)
Location: London, UK

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✓ GIS Developer

Organisation: Port of Corpus Christi Authority
Location: Texas, USA

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✓ GIS Specialist

Organisation: OLX
Location: Cape Town, South Africa

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✓ Spatial Data Management Specialist

Organisation: Randstad
Location: Melbourne CBD, Australia

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DETAILS](#)



Please visit our ISPRS SC web page



where you will find more information about Student Consortium, our previous Newsletter issues, SC activities, photo galleries from previous Summer Schools, interesting links etc.

Are you a student or a young professional below the age of 35?

Fancy To Be a Member of ISPRS SC!!

It's Completely Free!!

You just have to fill up the registration form at -

<https://sc.isprs.org/members/register/>



We will get back to you with the membership certificate within 7-15 days.

On behalf of the ISPRS SC Board of Directors, the Newsletter team would like to thank all the contributors of the featured articles in this issue who shared their knowledge and research experiences with us. We would also like to acknowledge Mallika Bhuyan, our volunteer, for leading the Newsletter design works, and we are equally thankful to the editorial & proofread team in accomplishing the Newsletter issue.

We are so proud of you!

Stay Connected With Us!

ACKNOWLEDGEMENT



LAGIRS 2025

Latin American GRSS & ISPRS Remote Sensing Conference

November 10-13, 2025



SELPER
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Pontifícia
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Católica do
Rio de Janeiro



selperbrasil.org.br/events/lagirs-2025

LAGIRS 2025 – Media Kit

Latin American GRSS & ISPRS Remote Sensing Conference



Organizers

SELPER Brasil, SELPER Internacional,
IEEE GRSS & ISPRS

Dates

November 10-13, 2025

Venue

Itaipu Parquetec, Foz do Iguaçu – Brazil

About the Event

LAGIRS is an international event bringing Latin America to the global stage of remote sensing, geotechnologies, and Earth sciences.

It gathers researchers, companies, government agencies, and innovation hubs to share knowledge and foster partnerships.



[https://selperbrasil.org.br/
events/lagirs-2025/](https://selperbrasil.org.br/events/lagirs-2025/)



lagirs2025@selperbrasil.org.br



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Highlights

- Keynote Speakers – plenary sessions with distinguished guests
- Technical Sessions – oral and poster presentations
- GeoTech4Frontiers Track (Nov 11-12) – Cineteatro Barrageiros, Itaipu Parquetec
- Exhibition & Networking – space for companies, startups, and institutions
- Courses & Tutorials – cutting-edge geotechnologies training

Main Themes

- Remote Sensing & Geotechnologies
- Climate Change & Environment
- Smart Cities & Regional Development
- Border Security
- Innovation in Parks & Startups
- Education & AI Ethics

Practical Information

- ✓ Travel, accommodation & excursions info on website
- ✓ Strategic location: Brazil-Paraguay-Argentina Tri-Border Region

Participation Opportunities

- ✓ Companies & Startups – exhibition, sponsorship, and networking
- ✓ Academia – paper presentations, courses, and tutorials
- ✓ Government & Organizations – applied innovation & policy discussions

Thematic Track



A strategic space within LAGIRS 2025 dedicated to fostering integration between government, industry, academia, and technology parks, focusing on:

Innovation and border regions: solutions for security and sustainable regional development.

Exclusive networking environment: startups, incubators, and companies directly connected with public and private decision-makers.

Enhanced visibility: participation in live podcasts, exhibition booths, coffee breaks, and high-level interactions.

Sponsoring GeoTech4Frontiers means associating your brand with innovation, technology, and international cooperation in one of Latin America's most strategic



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