

47th

ASIAN
CONFERENCE
ON REMOTE
SENSING

ACRS 2026

REMOTE SENSING FOR FUTURE EARTH:
INNOVATION, INCLUSION & IMPACT



12th – 16th October, 2026



Hotel Taj Vivanta
Dwarka, New Delhi, India

INNOVATION
THROUGH
TECHNOLOGY

INCLUSION
ACROSS
COMMUNITIES

IMPACT
FOR A
SUSTAINABLE
PLANET





47th

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CONFERENCE
ON REMOTE
SENSING**

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REMOTE SENSING FOR FUTURE EARTH:
INNOVATION, INCLUSION & IMPACT

Organized by:

Asian Association on Remote Sensing (AARS)
Indian Society of Remote Sensing (ISRS)
Indian Society of Geomatics (ISG)

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WELCOME MESSAGES



Dr. V. Narayanan

Secretary,
Dept. of Space & Chairman,
Indian Space Research Organisation

Dear Esteemed Participants,

It gives me immense pleasure to welcome you to the 47th Asian Conference on Remote Sensing (ACRS 2026), being held from 12–16 October 2026 in New Delhi, India. I am particularly pleased to see the Indian Society of Remote Sensing (ISRS) and the Indian Society of Geomatics (ISG) jointly organising ACRS in India after nearly a decade, following the successful hosting of the conference in 2017, in association with Asian Association on Remote Sensing (AARS).

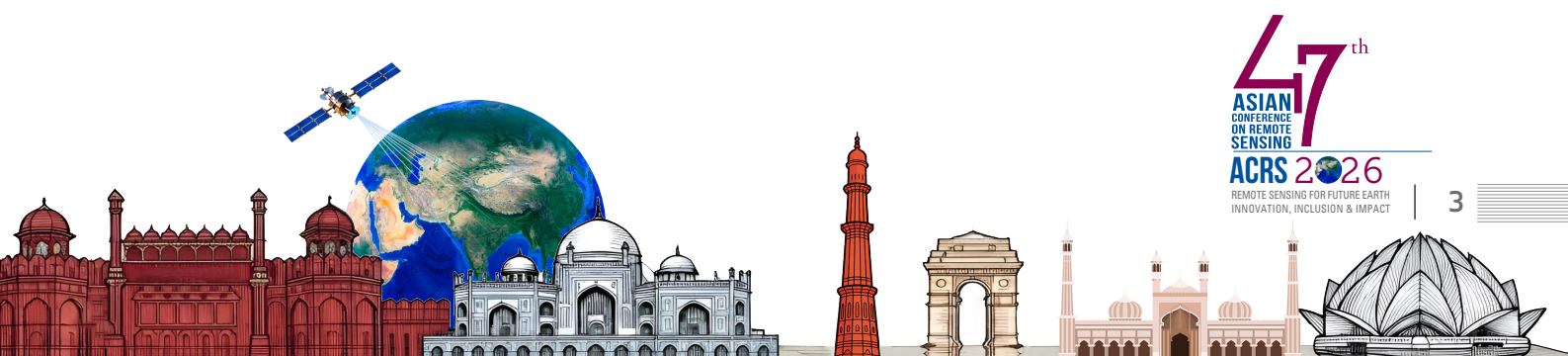
ACRS 2026 is a significant five-day gathering of the global remote sensing and geospatial community, bringing together scientists, researchers, academicians, professionals, policymakers and industry. With 93 sessions, including special sessions involving leading space agencies and industry, the conference provides a comprehensive platform for sharing advances in Earth observation, geospatial technologies and their diverse applications.

The rapid evolution of space-based Earth observation, coupled with advances in artificial intelligence, data analytics and geospatial technologies, is creating unprecedented opportunities for understanding and addressing challenges related to natural resources, environment, climate, disaster management and sustainable development. In this context, ISRO is pleased to support ACRS 2026, recognising the important role that such a forum can play in strengthening India's geospatial ecosystem and fostering greater interaction between the scientific, technological, academic and industrial communities.

The theme of ACRS 2026, "Remote Sensing for Future Earth: Innovation, Inclusion & Impact," is both timely and forward-looking. I am confident that the exchange of knowledge and experience at the conference will stimulate new ideas, strengthen collaborations and contribute to the wider adoption of geospatial technologies for societal benefit.

I hope that the deliberations and interactions at ACRS 2026 will provide valuable insights and help shape the future direction of the geospatial community, both in India and internationally.

I wish ACRS 2026 every success and all participants a stimulating, productive and memorable conference.



WELCOME MESSAGES



Prof. Kohei Cho

General Secretary,
Asian Association on Remote Sensing (AARS)

Dear Colleagues and Friends,

It is my great pleasure to welcome you to the 47th Asian Conference on Remote Sensing (ACRS 2026), being held from 12–16 October 2026 in New Delhi, India. ACRS has, over the years, grown into a vibrant forum that brings together the remote sensing and geospatial community from across Asia and beyond, fostering scientific exchange, professional interaction and enduring international collaboration.

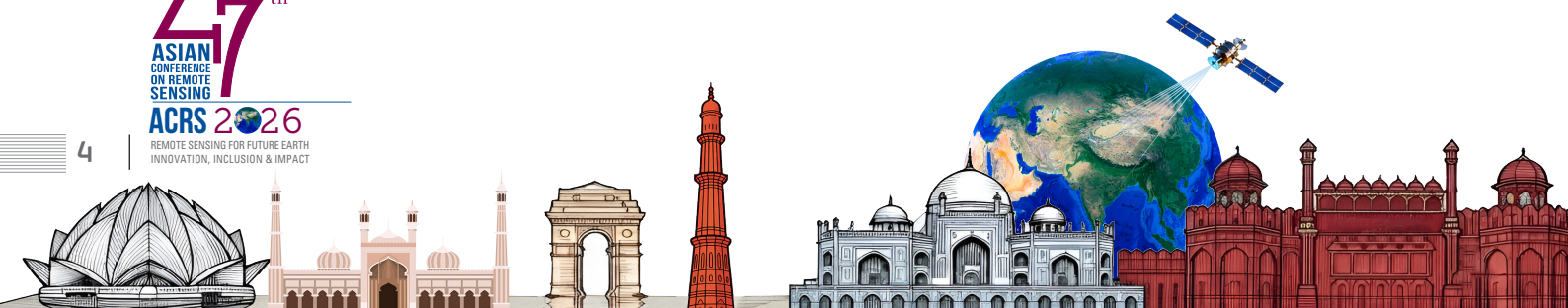
It is particularly significant that India is hosting ACRS for the fourth time, following the conferences held in 1985, 1994 and 2017. This longstanding association reflects the strong and enduring relationship between the Asian Association on Remote Sensing (AARS) and the Indian remote sensing and geospatial community, and makes ACRS 2026 another important milestone in this shared journey.

Organized by the Asian Association on Remote Sensing (AARS) in collaboration with the Indian Society of Remote Sensing (ISRS) and the Indian Society of Geomatics (ISG), ACRS 2026 continues this long-standing tradition of bringing together researchers, academicians, professionals, industry and other stakeholders under one platform.

The theme of this year's conference, "Remote Sensing for Future Earth: Innovation, Inclusion & Impact," reflects the expanding role of Earth observation and geospatial technologies in understanding our planet and addressing the challenges of sustainable development. It also reminds us of the importance of ensuring that technological progress is shared widely and translated into meaningful benefits for society.

I am confident that ACRS 2026 will provide opportunities for stimulating scientific discussions, new ideas, meaningful collaborations and the exchange of experiences across countries and disciplines.

On behalf of AARS, I wish you a stimulating, rewarding and memorable ACRS 2026.



WELCOME MESSAGES



Dr. Shailesh Nayak

President, International Advisory Committee, ACRS 2026 &
Director, National Institute of Advanced Studies (NIAS)

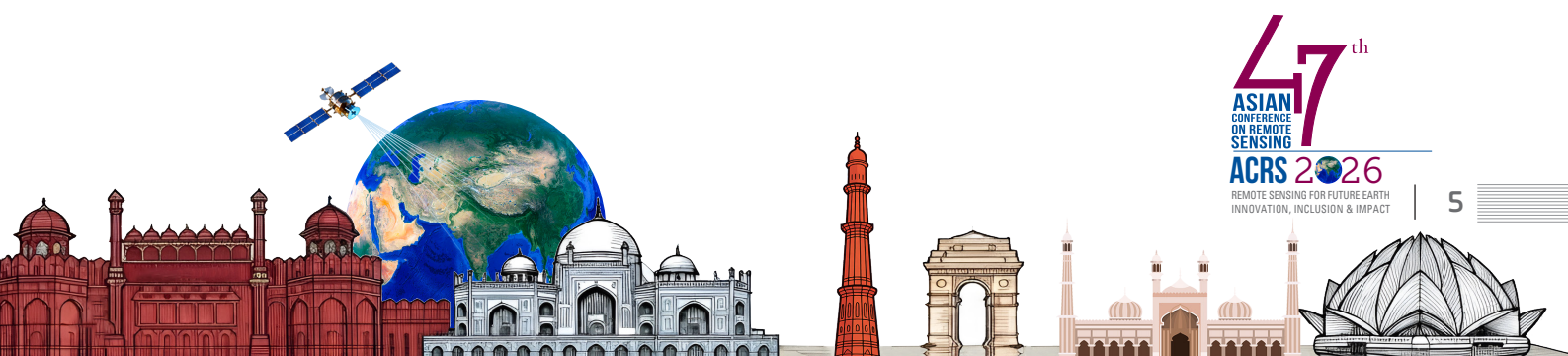
Dear Colleagues and Friends,

It gives me great pleasure to extend my warm greetings to the 47th Asian Conference on Remote Sensing (ACRS 2026). Over the years, I have had the privilege of witnessing the growth of ACRS as an important platform for scientific exchange, professional interaction and collaboration in remote sensing and geospatial technologies across Asia.

Asian countries face diverse challenges arising from natural hazards, environmental changes and increasing pressures on natural resources. Earth observation and geospatial technologies offer immense potential for understanding these challenges, strengthening disaster preparedness and mitigation, and supporting resilient and sustainable development. ACRS provides a valuable forum to share experiences, innovations and approaches that can help translate this potential into effective solutions.

The theme of ACRS 2026, "Remote Sensing for Future Earth: Innovation, Inclusion & Impact," is therefore particularly timely. I am confident that the deliberations at the conference will generate new ideas, strengthen regional cooperation and contribute to shaping the future of Earth observation for the benefit of society.

I wish ACRS 2026 every success and all participants a stimulating and memorable conference.



WELCOME MESSAGES



Dr. Prakash Chauhan

President, Indian Society of Remote Sensing (ISRS),
Chairman, National Advisory Committee ACRS 2026 &
Director, National Remote Sensing Centre (NRSC), ISRO

Dear Esteemed Participants,

It is my great pleasure to welcome you to the 47th Asian Conference on Remote Sensing (ACRS 2026), being held in New Delhi, India, from 12–16 October 2026. For the Indian Society of Remote Sensing (ISRS), it is a matter of immense pride and privilege to welcome the ACRS community to India and to be part of this continuing journey of scientific exchange and collaboration across Asia and beyond.

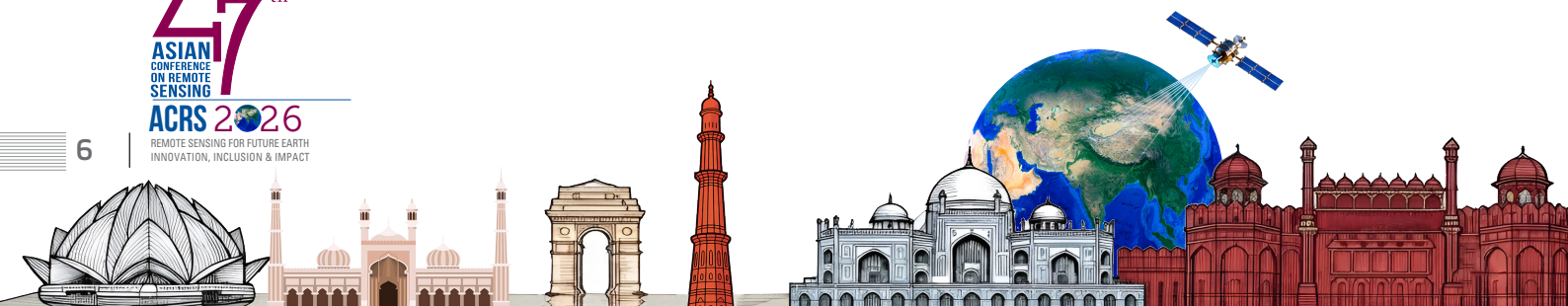
Over the years, ACRS has evolved into a vibrant platform bringing together scientists, researchers, students, professionals, policymakers and industry representatives to exchange ideas, share experiences and foster meaningful collaborations across geographical and disciplinary boundaries.

The theme of this year's conference, "Remote Sensing for Future Earth: Innovation, Inclusion & Impact," reflects the growing role of Earth observation and geospatial technologies in addressing global challenges. Rapid advances in satellite observations, artificial intelligence, big data analytics and geospatial technologies are opening new possibilities for environmental monitoring, natural resource management, disaster resilience and sustainable development. Translating these advances into accessible and actionable solutions will be essential for building a sustainable and inclusive future.

As a sustaining member of ACRS, ISRS remains committed to strengthening the remote sensing and geospatial community through scientific exchange, professional engagement and knowledge dissemination. Established in 1969 with the objective of advancing and disseminating remote sensing technology for mapping, planning and management of natural resources and the environment, ISRS has grown from its initial 56 members into a premier professional body with over 6,800 members.

On behalf of ISRS, I extend my sincere appreciation to the Asian Association on Remote Sensing (AARS), the Indian Society of Geomatics (ISG), our partner institutions, sponsors, organisers, speakers and all participants for their valuable contributions to ACRS 2026.

I am confident that ACRS 2026 will inspire fresh perspectives, meaningful interactions and new collaborations. I wish you all a successful and memorable conference.



WELCOME MESSAGES



Shri. Ganesh Pillai M.

Scientific Secretary,
Indian Space Research Organisation

Dear Esteemed Participants,

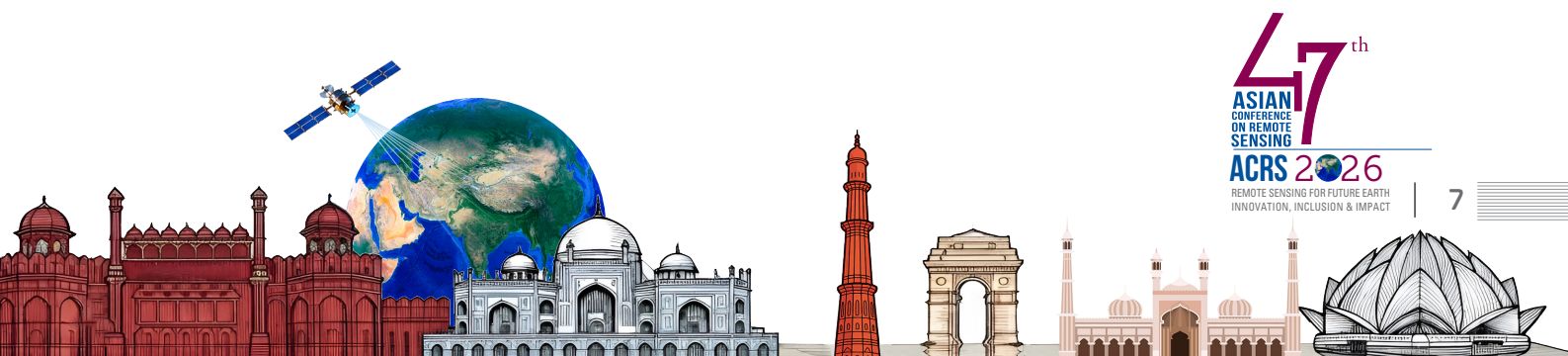
The Asian Conference on Remote Sensing has, over the years, built a strong tradition of scientific exchange and cooperation, bringing together experts and institutions committed to advancing our understanding of the Earth. I am pleased to see this enduring tradition continue through the 47th ACRS 2026 in New Delhi, India.

The theme of ACRS 2026, “Remote Sensing for Future Earth: Innovation, Inclusion & Impact,” captures the need to advance Earth observation beyond monitoring towards deeper scientific understanding and meaningful societal benefits. While innovation expands our capabilities to observe and interpret the Earth, inclusion ensures that these advances serve diverse communities, and impact translates scientific knowledge into informed decisions and sustainable solutions. Realising this vision requires interdisciplinary research and stronger collaboration between science, policy and practice.

I believe the true value of ACRS lies not only in the scientific advances presented, but also in the connections established and the collective understanding developed through open dialogue. By bringing together diverse perspectives, the conference can help identify new research directions and strengthen the foundations for future collaboration.

I hope ACRS 2026 will inspire fresh thinking, nurture enduring partnerships and contribute to a future in which scientific knowledge serves both people and the planet.

My best wishes to all participants for a successful and stimulating conference.



WELCOME MESSAGES



Dr. Sameer Saran

President, Indian Society of Geomatics (ISG) &
Chairperson, Local Organising Committee ACRS 2026

Dear Esteemed Participants,

It gives me immense pleasure to welcome you to the 47th Asian Conference on Remote Sensing (ACRS 2026), being held from 12–16 October 2026 in New Delhi, India. As the Chairperson of the Local Organising Committee, I am deeply honoured to welcome the remote sensing and geospatial community to this prestigious gathering and to have the opportunity to host ACRS in the capital of India.

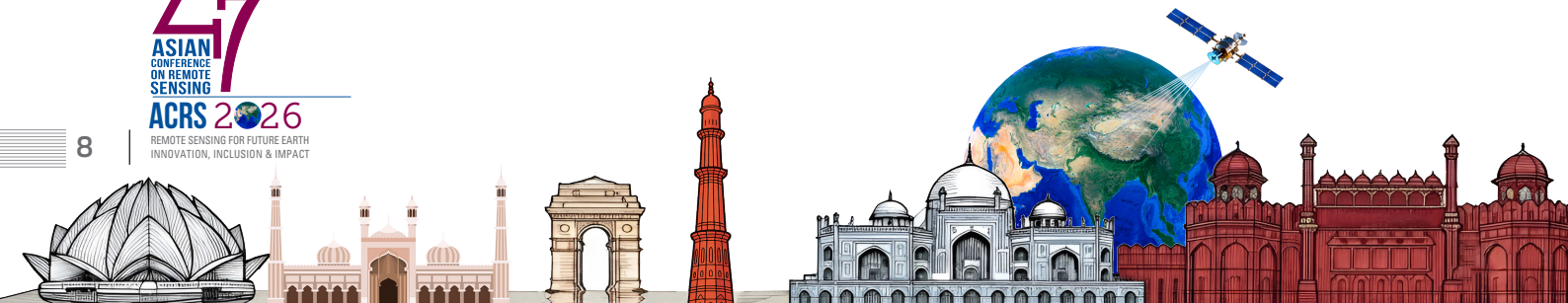
ACRS 2026 is truly an international gathering, with participation from 18 countries outside India. The conference programme has been carefully designed to reflect the breadth and dynamism of remote sensing and geospatial technologies, featuring 59 technical sessions, 8 sessions dedicated to Ministries of the Government of India, 7 special sessions, including sessions by JAXA, AARS Satellite Programme, 3 industry sessions and 10 plenary talks. Together, these sessions provide a diverse platform for scientific exchange, technological innovation, policy perspectives and industry interaction.

The convergence of remote sensing, GIS and geospatial technologies, together with advances in artificial intelligence and data science, is opening new frontiers in the way we observe and understand our changing Earth. As President of the Indian Society of Geomatics (ISG), a premier professional society established in 1993 to promote and popularise Geomatics in India, with about 2,000 Life Members, I am particularly pleased to see these diverse dimensions of the geospatial community coming together at ACRS 2026.

As the Local Organising Committee, our endeavour has been to ensure that every aspect of the conference—from the scientific programme and session coordination to participant engagement and on-site arrangements—provides a stimulating and seamless experience. I sincerely acknowledge the support of the Asian Association on Remote Sensing (AARS), the Indian Society of Remote Sensing (ISRS), our partner organisations, sponsors and supporters, and extend my heartfelt appreciation to the committees, reviewers, session chairs, volunteers and everyone who has worked behind the scenes to make ACRS 2026 possible.

We hope that, beyond the scientific programme, your time in New Delhi will provide an opportunity to experience the city's rich history, culture and diversity, and to build lasting friendships and professional connections.

On behalf of the Local Organising Committee, I warmly welcome you to ACRS 2026 and wish you an enriching, engaging and memorable conference experience.



ASIAN CONFERENCE ON REMOTE SENSING (ACRS, 2026)

The Asian Conference on Remote Sensing (ACRS) has evolved into a major international forum for advancing Earth observation and geospatial technologies, bringing together diverse communities working at the intersection of science, technology, policy, and societal development.

The 47th ACRS, to be held in New Delhi, India, from 12–16 October 2026, is being organised in collaboration with the Asian Association on Remote Sensing (AARS), the Indian Society of Remote Sensing (ISRS), and the Indian Society of Geomatics (ISG). The conference is centred on the theme “Remote Sensing for Future Earth: Innovation, Inclusion & Impact,” reflecting the growing role of Earth observation in understanding environmental change, strengthening resilience, supporting sustainable development, and enabling informed decision-making.

ACRS 2026 will provide a dynamic platform for presenting advances in remote sensing, geospatial science, Earth system studies, artificial intelligence, GeoAI, satellite technology, and spatial analytics. The programme will bring together researchers, technology developers, government agencies, practitioners, and industry leaders to exchange ideas, showcase emerging solutions, and explore pathways for translating scientific innovation into meaningful societal impact.

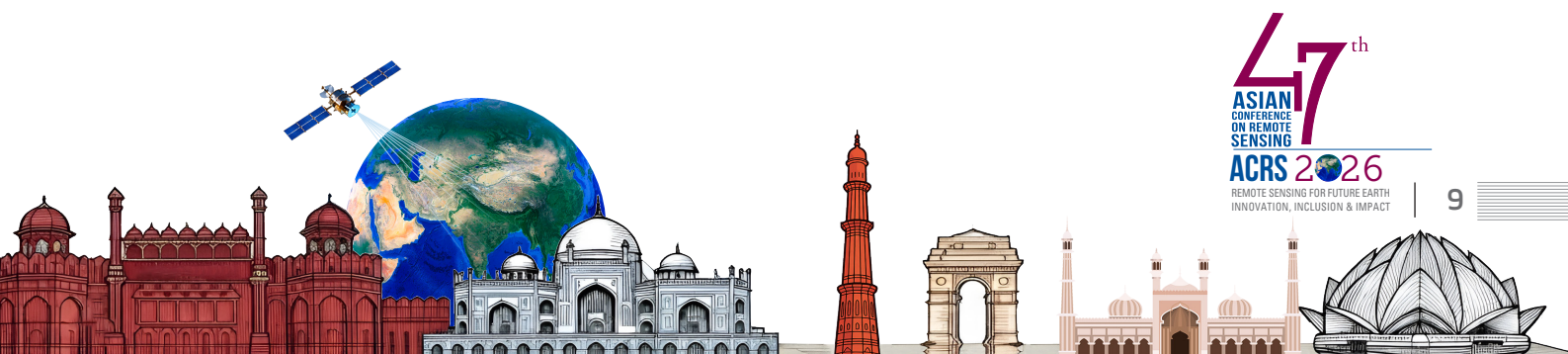
With participation from across Asia and beyond, ACRS 2026 in New Delhi will foster scientific collaboration, promote technological innovation, and facilitate dialogue on how Earth observation and geospatial technologies can contribute meaningfully to addressing the emerging challenges facing our planet.

ORGANISING SOCIETIES

AARS

Asian Association of Remote Sensing (AARS) is a well-established non-governmental organization founded in 1981 with the primary aim of advancing remote sensing science and applications across the Asia-Pacific region. It fosters exchange of information, mutual cooperation, international understanding and goodwill among member countries, enabling scientists, researchers, and institutions to collaborate on cutting-edge developments in remote sensing technology and its real-world uses. AARS organizes

the annual Asian Conference on Remote Sensing (ACRS), one of the region's premier forums for presenting research, sharing technical expertise, and facilitating professional networking. Through these activities, AARS plays a vital role in strengthening regional partnerships, promoting knowledge transfer, and supporting the growth of remote sensing for sustainable development, environmental monitoring, and resource management throughout Asia and beyond.



ISRS



Founded in 1969 and based in Dehradun, the Indian Society of Remote Sensing (ISRS) is India's foremost professional organization dedicated to the advancement and promotion of remote sensing and geospatial technologies. As a vibrant platform enriched by scientists, researchers, academicians, and professionals, ISRS plays a pivotal role in fostering innovation, collaboration, and capacity building within the remote sensing community. The society maintains strong partnerships with key national agencies such as ISRO and other academic institutions of national importance. This

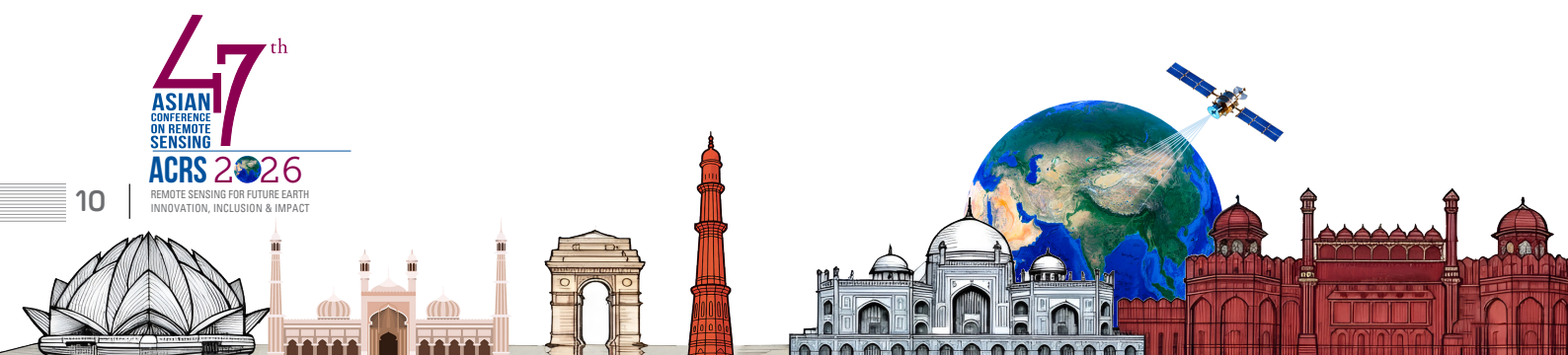
organization fosters cutting-edge research and practical applications in fields like agriculture, urban planning, water resource management, and disaster mitigation. ISRS also proudly holds membership in the International Society for Photogrammetry and Remote Sensing (ISPRS), linking India's remote sensing efforts with the global scientific community. Through its flagship Journal of the Indian Society of Remote Sensing, national conferences, workshops, and training programs, ISRS continues to advance Earth observation science and support sustainable development goals.

ISG



Established in 1993 to promote the development and application of geomatics technologies in India. The Indian Society of Geomatics (ISG) serves as a key professional body uniting experts, researchers, and practitioners in surveying, mapping, GIS, remote sensing, and related disciplines. ISG fosters knowledge exchange, capacity building, and innovation across academic, government, and industry sectors. Since 2007, the society has published the Journal of Geomatics, providing a dedicated platform for disseminating high-quality research and developments in the field.

By organizing conferences, workshops, and training programs, ISG supports advancements in geospatial data acquisition, processing, and analysis critical for infrastructure development, natural resource management, urban planning, and environmental monitoring. The society actively collaborates with national institutions and contributes to strengthening India's geospatial ecosystem through research promotion and policy advocacy. Through these efforts, ISG plays a vital role in enhancing the use of geomatics technologies for sustainable development and national progress.



Talk Title

Some Current Trends in AI-based Remote Sensing



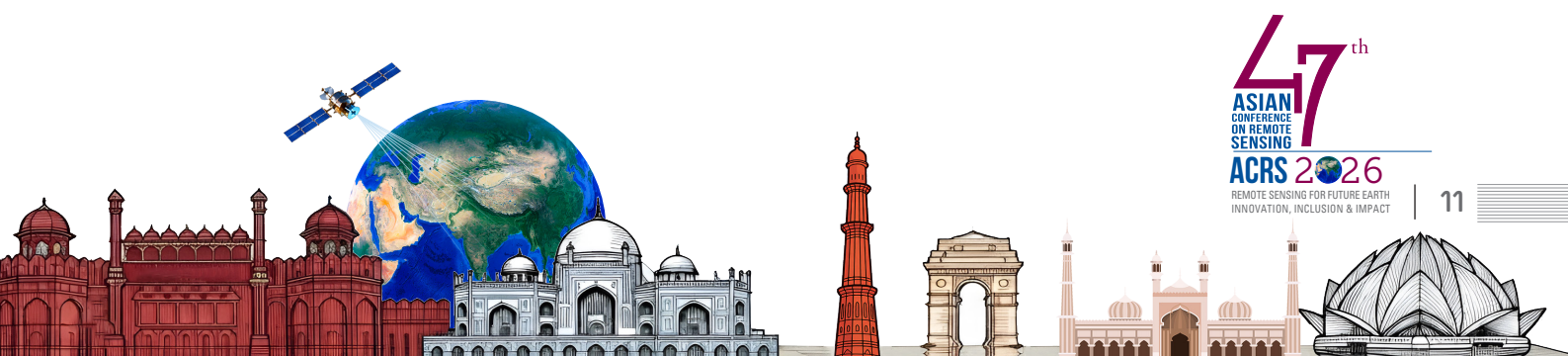
Prof. Dr.-Ing. Christian Heipke

*Former President, International Society
for Photogrammetry and Remote Sensing
(ISPRS) & Professor, Leibniz University
Hannover, Germany*

KEYNOTE SPEAKERS

Biography

Prof. Christian Heipke is an internationally recognised expert in photogrammetry, remote sensing, image understanding, geoinformation science, and computer vision. He completed his studies in Geodetic Sciences and Surveying. Since 1998, Prof. Heipke has been Head of the Institute of Photogrammetry and GeoInformation at Leibniz Universität Hannover. His principal areas of expertise include automatic sensor orientation and object extraction from imagery. He has supervised approximately 35 doctoral theses and authored around 400 scientific publications. Prof. Heipke has held several prominent leadership positions in the international geospatial community. He served as Vice-President of EuroSDR (2004–2009), Chair of the German Geodetic Commission (DGK) (2011–2014), and Secretary General of ISPRS (2012–2016). He currently serves as President of the International Society for Photogrammetry and Remote Sensing (ISPRS). His distinguished contributions have been recognised through prestigious honours including the Otto von Gruber Award (1992) and Frederick J. Doyle Award (2012) from ISPRS, and the Photogrammetric (Fairchild) Award (2013) from ASPRS. He is also a member of several distinguished scientific academies and professional societies, including acatech, the International Academy of Astronautics, the European Academy of Sciences and Arts, and IEEE.



Talk Title

Indian Planetary Exploration Program



Dr. Anil Bhardwaj

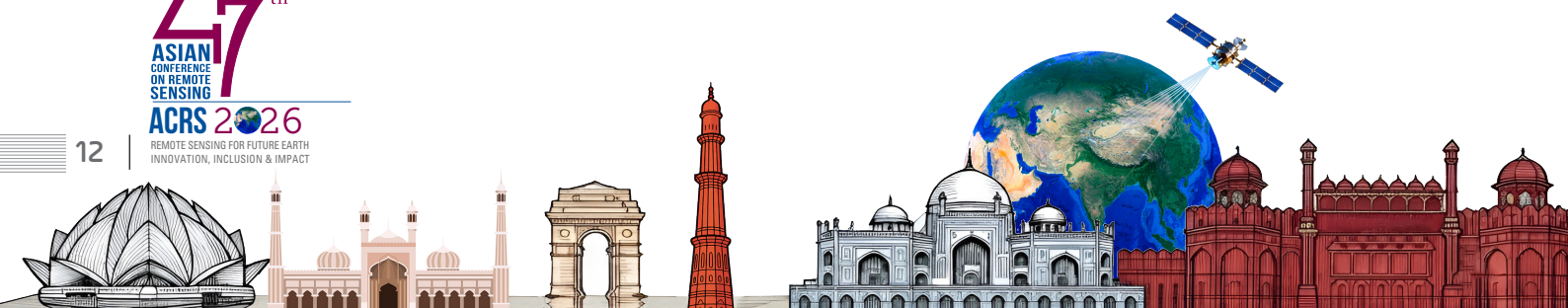
*Director,
Physical Research Laboratory (PRL), Ahmedabad*

KEYNOTE SPEAKERS

Biography

Prof. Anil Bhardwaj is a distinguished space scientist and planetary researcher, specialising in planetary and space sciences and solar system exploration. He joined ISRO in 1993 at the Space Physics Laboratory (SPL), Vikram Sarabhai Space Centre, and served as Director of SPL during 2014–2017. He has also worked as an NRC Senior Research Associate at NASA Marshall Space Flight Center. Prof. Bhardwaj has been closely associated with several landmark Indian planetary missions, serving as Principal Investigator of the SARA experiment onboard Chandrayaan-1 and the MENCA experiment onboard the Mars Orbiter Mission, while leading PI-driven experiments on Chandrayaan-2, Chandrayaan-3 and Aditya-L1 missions.

Prof. Bhardwaj has authored around 200 peer-reviewed research papers and has supervised numerous doctoral and postgraduate researchers. His scientific contributions have received international recognition through publications and highlights by leading space agencies and scientific journals. He is an elected Fellow of all three National Science Academies of India and has received several prestigious honours, including the Shanti Swarup Bhatnagar Prize (2007), Infosys Prize (2016), INSA–Vainu Bappu Memorial International Award (2016), Decennial Award of the Indian Geophysical Union (2017), J.C. Bose National Fellowship (2019), and Prof. M.G.K. Menon Lecture Award (2021). In 2024, he has received the coveted Vikram Sarabhai Medal of COSPAR, and the International Academy of Astronautics, Basic Sciences Section Award. Prof. Bhardwaj has held several prominent national and international leadership positions, including President of the Planetary Science Section of the Asia Oceania Geosciences Society (AOGS), Vice-Chair of COSPAR Commission B, and leadership roles in URSI and the Indian Planetary Science Association (IPSA), which he founded. He currently serves in several national scientific bodies, including the NASI Council, and chairs India's national committees associated with COSPAR and SCOSTEP. His distinguished contributions to planetary science, space exploration, and scientific leadership have established him as a prominent figure in India's planetary and space science community.



Talk Title

New Trends and Innovations in Microwave Remote Sensing and Other Space Technology Frontiers



Shri Nilesh M. Desai

*Vikram Sarabhai Scientist / Professor,
Dept. of Space / ISRO*

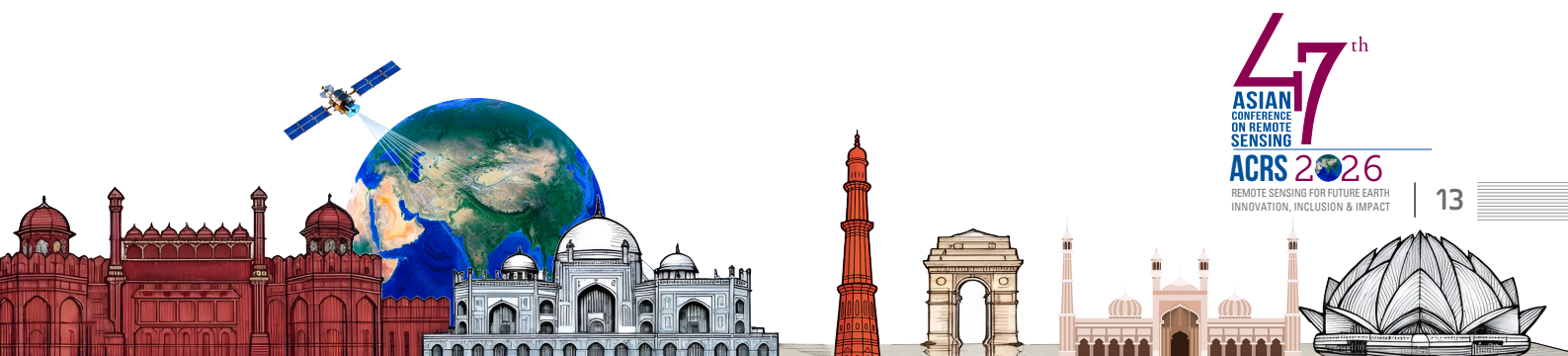
KEYNOTE SPEAKERS

Biography

Shri Nilesh M. Desai is a distinguished Space scientist and Former Director of Space Applications Centre (SAC), ISRO, Ahmedabad specialising in digital electronics, embedded systems, VLSI/FPGA and ASIC design, and software quality assurance. A gold medallist and top-rank holder in Electronics & Communication Engineering, he has made significant contributions to the design and development of ISRO's microwave radar systems for missions including RISAT, Oceansat, NISAR and Chandrayaan, as well as to advanced applications integrating Earth observation, navigation and communication technologies for national and societal needs. He has provided leadership in the domain of remote sensing data processing, NavIC and GAGAN applications, satellite communication systems and ground segments, and emerging technologies such as AI/ML and Quantum Frontiers. He has played a key role in promoting the adoption of indigenous navigation technologies for commercial, governmental and strategic applications and has contributed to the development of international training programmes on Satellite Communication and GNSS under the UN-CSSTEAP. He has also represented ISRO and India at international forums, including the International Committee on GNSS (ICG).

Shri Desai has received several prestigious individual and team honours, including the ISRO Individual Merit Award (2010), ISRO Team Award for RISAT-1 Payload (2012), Dr. APJ Abdul Kalam Award for Outstanding Contribution to the Indian Space Programme (2023), Lifetime Achievement Award (2023), and Lalbhai Dalpatbhai Ratna Award (2023). He has also been conferred honorary degrees of Science and Doctor of Philosophy for his contributions to the space sector. He served as National President of the ISRS from 2020–2022 and is currently Vice President of the ISSE Ahmedabad Chapter.

Shri Desai will deliver prestigious 35th Dr Vikram Sarabhai Memorial Lecture - 2026 of ISRS during ACRS 2026.



Talk Title

Earth Observation data to decipher warning signals in the Himalayas for disaster risk assessment



Dr. Prakash Chauhan

Director,
National Remote Sensing Centre (NRSC), ISRO

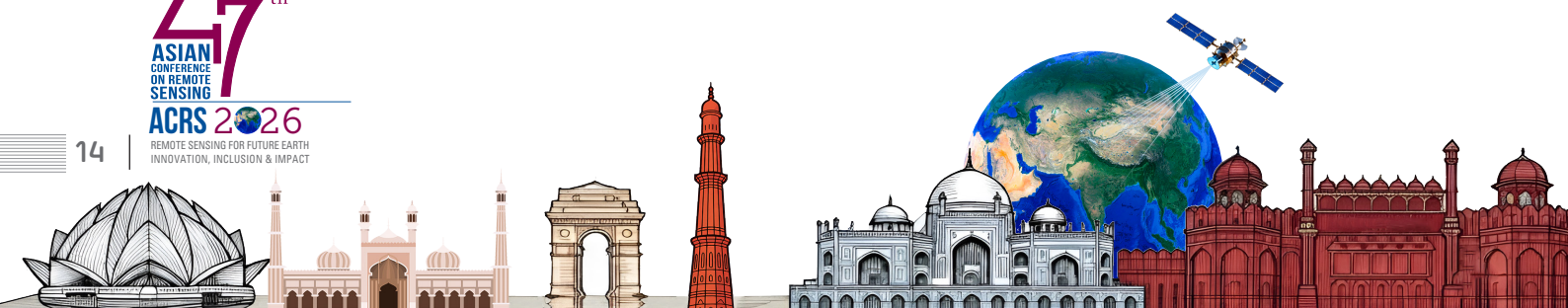
KEYNOTE SPEAKERS

Biography

Dr. Prakash Chauhan is a distinguished space scientist with over three decades of experience in remote sensing, Earth observation, planetary science, and geoinformatics. He joined ISRO in 1991 at the Space Applications Centre, Ahmedabad. He served as Director of the Indian Institute of Remote Sensing (IIRS), Dehradun, where he spearheaded research and capacity-building initiatives in remote sensing and geoinformatics. His major scientific contributions span ocean colour and marine resource assessment, aerosol remote sensing, coastal zone management, satellite-based water-level estimation, Himalayan cryosphere studies, and space-based air-quality assessment. He has made significant contributions to planetary remote sensing through India's Chandrayaan and Mars Orbiter missions. His research using Chandrayaan-1 and Chandrayaan-2 hyperspectral observations has provided important evidence for the presence and distribution of water and hydroxyl on the lunar surface, contributing significantly to our understanding of lunar surface composition and evolution.

He has held several prominent international responsibilities, including Chair of the CEOS Working Group on Capacity Building and Data Democracy (WGCapD), Co-Chair of the CEOS Ocean Colour Virtual Constellation, and membership of the NASA-ISRO Planetary Science Working Group. He has also served as an executive member of the International Ocean Colour Coordinating Group (IOCCG) and currently serves as Chair of the Working Group of the Whole at the Scientific and Technical Subcommittee (STSC) of UNCOPUOS. His contributions have been recognised through several prestigious honours, including the P.R. Pisharoty Memorial Award (2004), Hari Om Ashram Prerit Dr. Vikram Sarabhai Research Award (2009), ISRO Merit Award (2010), and Satish Dhawan Award (2016). He is a Fellow of the National Academy of Sciences, India, ISRS, and Indian Social Science Academy.

Dr. Chauhan will deliver prestigious ISG Millennium Lecture-2026 of Indian Society of Geomatics (ISG).



Talk Title

Geoscience and Remote Sensing - What we give and what we get back



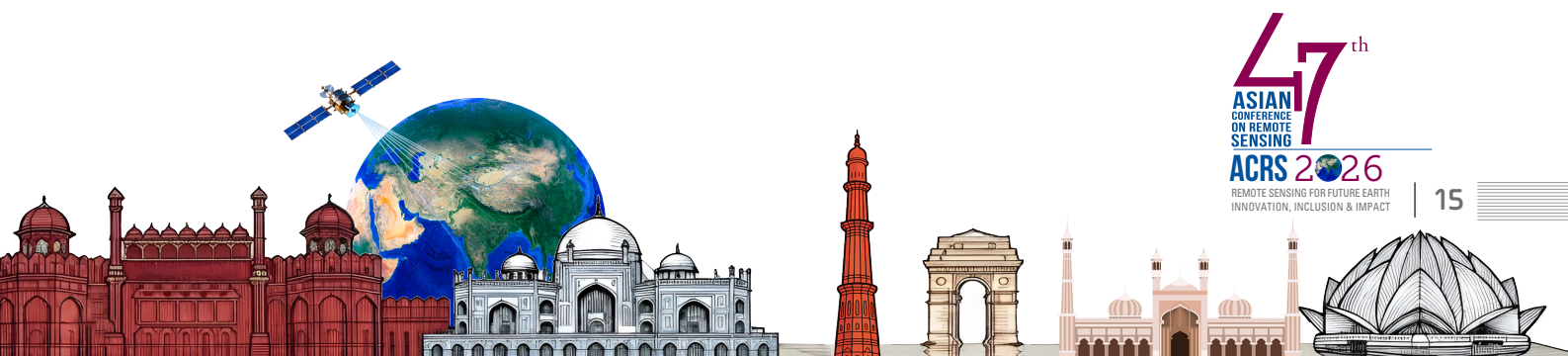
Dr. Sidharth Misra

Executive Vice President of IEEE Geoscience and Remote Sensing Society (GRSS)

KEYNOTE SPEAKERS

Biography

Dr. Sidharth Misra received the B.E degree in electronics and communication engineering from Gujarat University, Ahmedabad, Gujarat, India, in 2004 and the M.S. degree in electrical engineering and computer science from the University of Michigan, Ann Arbor, in 2006. He received his Ph.D. degree in the Department of Atmospheric, Oceanic and Space Sciences, University of Michigan, Ann Arbor, in 2011. He is the current Executive Vice President for the IEEE Geoscience and Remote Sensing Society (GRSS) and a former Associate Editor for the GeoScience and Remote Sensing Letters. Dr. Misra has held several roles within IEEE GRSS as Editor-In-Chief of the e-newsletter, Chair of the Frequency Allocation in Remote Sensing (FARS) Technical Committee, VP of Information Resources, VP of Meetings and Symposia. Dr. Misra was also the General co-chair of the IGARSS 2023 conference."



Talk Title

Mapping a Changing Earth: Science & Applications using NISAR Mission



Dr. Rashmi Sharma

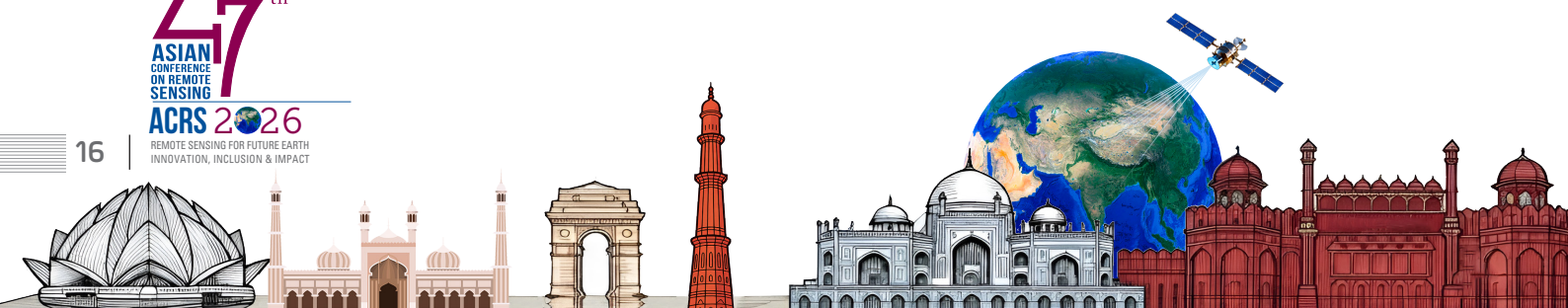
*Deputy Director,
Earth & Planetary Sciences and Applications Area,
Space Applications Centres (SAC), ISRO*

KEYNOTE SPEAKERS

Biography

Dr (Ms) Rashmi Sharma is Deputy Director of Earth and Planetary Sciences and Applications Area and “Outstanding Scientist” at Space Applications Center (ISRO), Ahmedabad. She leads the team, which is actively engaged in developing downstream applications in the field of Earth Observations. She is steering various national level programs and coordinating activities with various ministries like, Ministry of Earth Sciences, Ministry of Agriculture and Farmer Welfare, Central Water Commission, various other national and state departments, and with defense sectors, like Indian Navy and Indian Air force. She has played key role in ISRO's mission Mission Utilization projects. IRS-P4, SCATSAT-1, Oceansat-2, SARAL/AltiKa and Megha-Tropiques. Currently she is leading two very important ISRO mission projects, namely Oceansat-3/3A as a Project Director (Utilization Program) and NASA-ISRO NISAR program as a Science Lead. She represents ISRO at various international forums. She is recipient of prestigious P. R. Pisharoty Memorial Award, Satish Dhawan Award instituted by Indian Society of Remote Sensing. She is also recipient of ISRO's Merit award and Team award.

In the year 2022, she was felicitated by CNBC-TV18 as ISRO's inspiring women in a program “Future Female Forward”. She has been felicitated by National Commission of Women for her outstanding contribution in the space science. She has nearly 110 publications in peer reviewed journals. She has guided four PhD students. She is Associate Editor of Journal of the Indian Society of Remote Sensing (Springer).



Talk Title

GeoAI for Future Earth: Transforming Earth Observation into Intelligent, Inclusive and Impactful Solutions



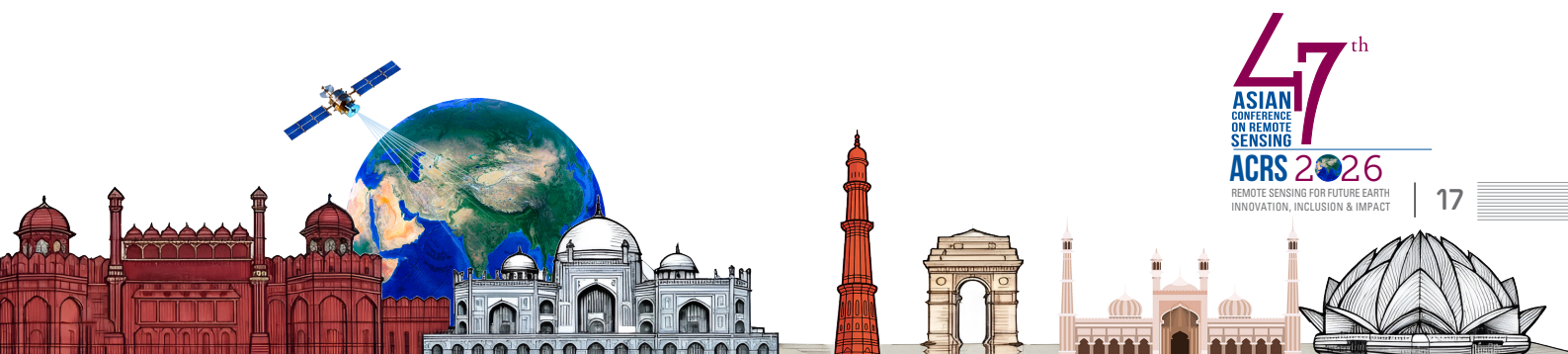
Dr. S. P. Agarwal

Director,
North Eastern Space Applications Centre (NESAC),
Dept. of Space, Govt. of India

KEYNOTE SPEAKERS

Biography

Dr. Shiv Prasad Aggarwal is Director, North Eastern Space Applications Centre (NESAC), Department of Space, Government of India, leading the application of space and geospatial technologies for the development of Northeast India. He is an accomplished scientist in Remote Sensing and GIS, with expertise in water resources, disaster management, climate-change assessment, AI-driven analytics and geo-governance. He has taken important initiatives towards effective utilization of Space Science and Technology for various developmental activities of NER such as Natural Resource Management, Infrastructure Planning, Disaster Risk Management, Weather forecasting, Satellite communication applications, AI based data driven analytics and Geo-governance related applications, etc. Prior to current assignment, he was the Group Head of Water Resources Department at Indian Institute of Remote Sensing, Dehradun. Dr. Aggarwal is playing critical techno-managerial role as a member of various committees of ISRO, including ISRO Council. He has held important leadership roles in ISRO programmes and contributed significantly to international capacity building through UN-affiliated CSSTEAP. He served as President of the ISRS (2024–26) and has contributed to ISPRS as chair and secretary of different technical commissions. He is recipient of Eminent Engineers Award of the Institution of Engineers of India, President Appreciation Medal by ISRS, National Geospatial Award for Excellence by ISRS and National Award for e-Governance 2022 (Silver Medal) of Govt. of India. He is fellow of the Institution of Engineers (India), the ISRS, ISG and the Indian Association of Hydrologists. He has more than 200 research publications in peer-reviewed international and national journals.



Talk Title

Earth Observation to Earth Action



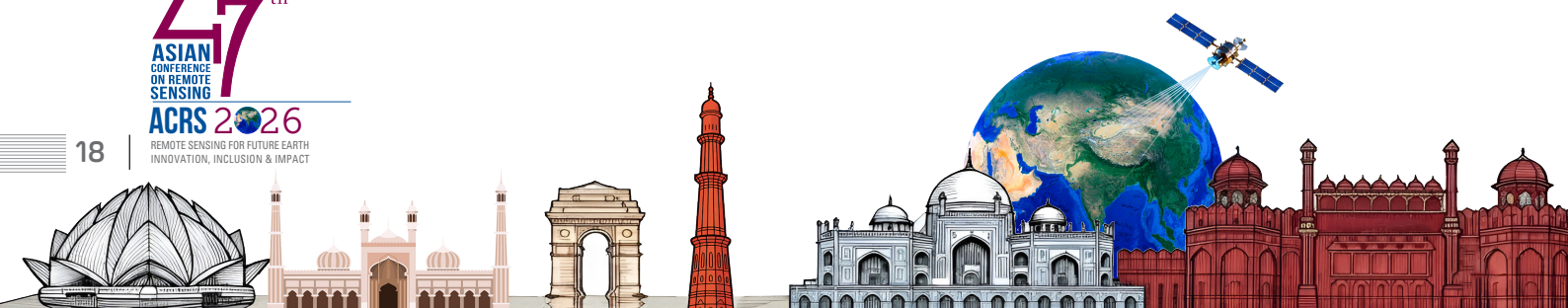
Shri Vijay Kumar

Senior Vice President &
Chief Technology Officer, Esri India

KEYNOTE SPEAKERS

Biography

Mr Vijay Kumar is the Senior Vice President and CTO at ESRI India. Esri builds the most powerful mapping and spatial analytics products in the world. With more than 35 years of association with Industry and Academia, Vijay has contributed towards evolving innovative solutions for key business problems and society at a large. He is passionate in helping organizations solving business and social challenges using technologies including mapping, remote sensing, spatial 2D and 3D analytics, data science, machine learning, artificial intelligence, big data and real time analytics. Vijay has been instrumental in conceptualizing, designing and implementing enterprise location platform across various industry sectors globally. He has helped large organizations in creating their organizational road map and location strategy. Vijay is also passionate about business transformation by redefining and executing the long term vision to transform the business outcomes. Vijay continues to maintain strong links with the world of academia. He is a corporate member of the Institution of Engineers (India), Life Member of ISRS, member of the Institute of Electrical and Electronics Engineers (IEEE). Vijay has been contributing to the advisory activity for various institutes including IITs, NITs, IIRS and active member at OGC India Forum. He has also chaired panel discussions and presented many technology papers in several international conferences as keynote speaker.



Talk Title

Ministry of Earth Sciences: Advancing Earth System Science and Services

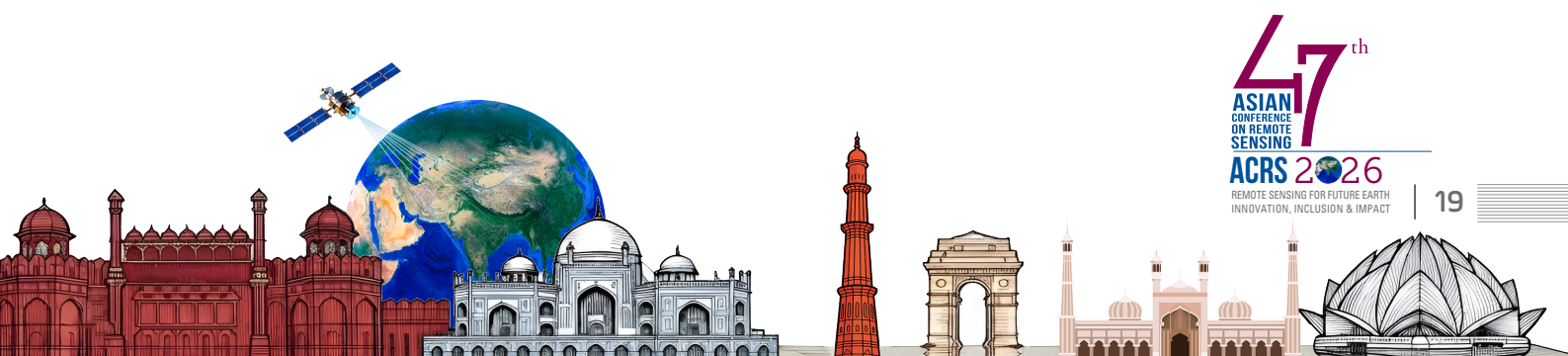


Dr. Srinivasa Kumar Tummala
*Secretary,
Ministry of Earth Sciences (MoES)*

KEYNOTE SPEAKERS

Biography

Dr. Srinivasa Kumar Tummala is a distinguished scientist and techno-manager with over three decades of experience in remote sensing, satellite oceanography, coastal hazard mitigation, and disaster management, with significant contributions to advancing Indian Ocean research and services. He has held several prominent national and international leadership positions, including Director of the Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, where he led initiatives in potential fishing zone advisories, coral reef bleaching alerts, and multi-hazard vulnerability mapping. He has made seminal contributions to India's tsunami preparedness and early warning capabilities. Following the devastating 2004 Indian Ocean tsunami, he served as Project Manager for establishing India's state-of-the-art Tsunami Early Warning System at INCOIS, which subsequently became a globally designated Tsunami Service Provider. As Head of the ICG/IOTWMS Secretariat under UNESCO-IOC in Perth, he provided leadership to regional tsunami warning systems across 28 Indian Ocean Member States and championed initiatives such as the Tsunami Ready Community Recognition Programme. In recognition of his outstanding contributions, he has received the National Geoscience Award (2010) and the Indian National Geospatial Award (2008). He has authored more than 100 peer-reviewed scientific publications in leading international journals and has also contributed extensively to international ocean and disaster management initiatives, including through his role as Vice-Chair of the UNESCO Intergovernmental Coordination Group.



Talk Title

From Location to Intelligence: Building the Geospatial Ecosystem for Viksit Bharat



Shri S K Sinha

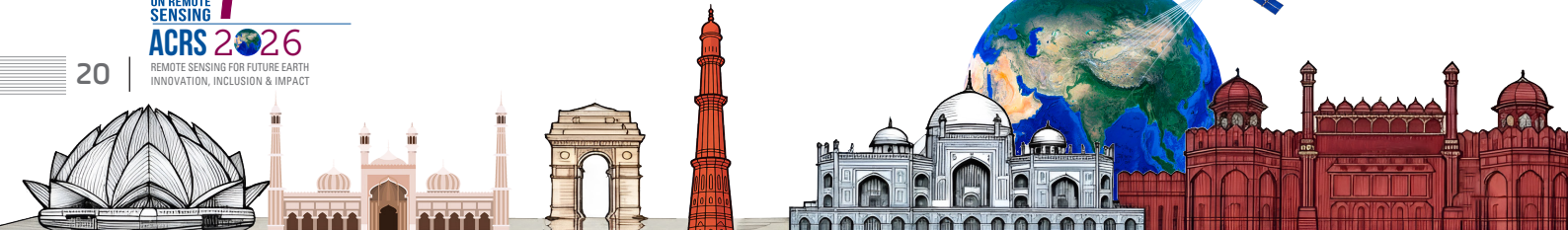
*Surveyor General of India,
Survey of India (Sol)*

KEYNOTE SPEAKERS

Biography

Shri S. K. Sinha, Surveyor General of India, Survey of India (SOI), is an Indian Institute of Technology (IIT)-Banaras Hindi University (BHU) Civil Engineering graduate and a key architect of the organisation's modernisation efforts. He has driven the adoption of advanced technologies such as GNSS, LiDAR, UAVs, digital photogrammetry and digital cartography, and has played an important role in shaping the National Geospatial Mission.

He has led major national initiatives including AMRUT 2.0, NAKSHA, SVAMITVA, DSSDI for Delhi and ICZM, and has provided strategic leadership in international boundary management. He also modernised the Survey of India's training ecosystem to support the National Geospatial Policy 2022, and represents India globally as Vice-Chair of the UN-GGIM Asia-Pacific Working Group on Integrating Geospatial Information and Statistics.



Talk Title

An overview on GIS Academia Council of India



Dr. Rajesh C Mathur

Co-Chair,
GIS Academia Council of India (GACI)

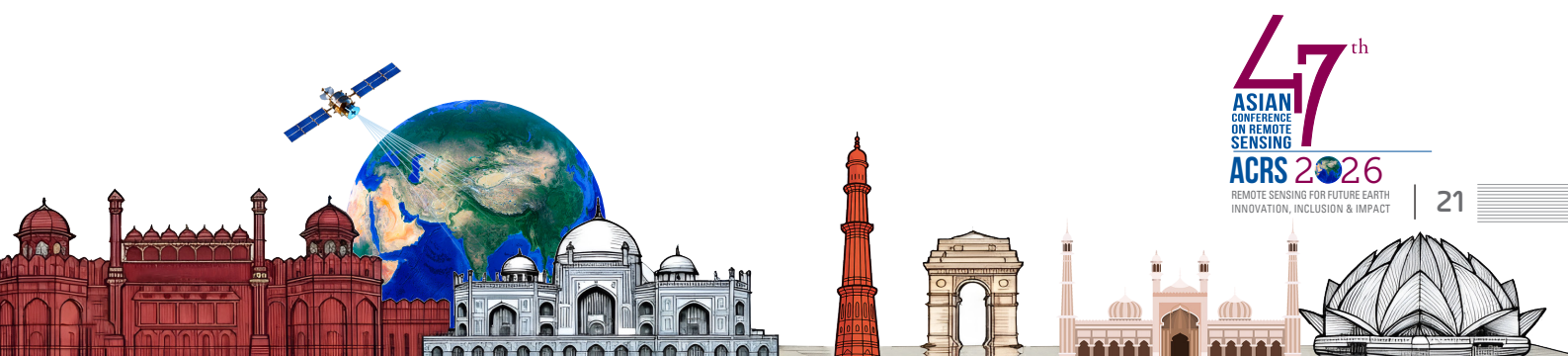
KEYNOTE SPEAKERS

Biography

Mr. Rajesh C. Mathur is the Senior Director Strategy at Esri India Technologies Pvt. Ltd., a subsidiary of Esri, Inc., the world's largest provider of GIS software. Prior to that, he held the position of Vice Chairman of the Board and President of the company.

Mr. Mathur is an Electrical Engineer from IIT Delhi. He also attended the General Management program conducted by the University of Michigan, USA. Mr. Mathur has been associated with the IT industry both in India and overseas for more than 40 years. He has handled assignments in General Management, Marketing, Corporate Planning, and International Operations. Before his current assignment, he worked with Wipro, IDM, and DCM Data Systems in India and USA.

As the head of Esri India, India's premier GIS products and services company, Mr. Mathur spearheaded the growth of GIS deployment in India. He is actively involved with various professional bodies associated with the Indian GIS industry. He is the past Chairman of the FICCI Committee on Geospatial Technologies and the past President of the Association of Geospatial Industries (AGI). He is also the former President of the Indian Society of Geomatics (ISG) and was honored with the ISG Fellowship in 2012. He has also been honored and acknowledged by the India Geospatial Forum by conferring the Lifetime Achievement Award in 2012 for his pioneering contribution to the Indian Geospatial Industry.



Talk Title

Indian Human Space Programme



Dr. D. K. Singh

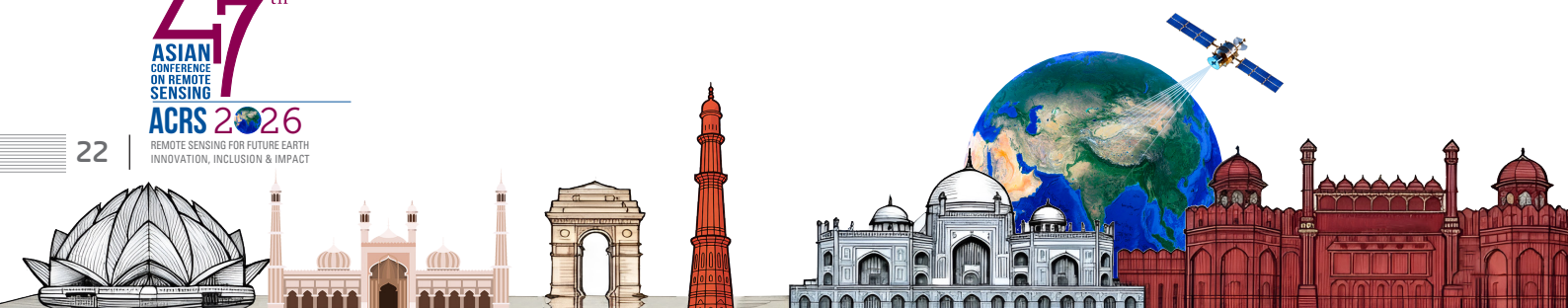
Director,

U R Rao Satellite Centre (URSC), ISRO

KEYNOTE SPEAKERS

Biography

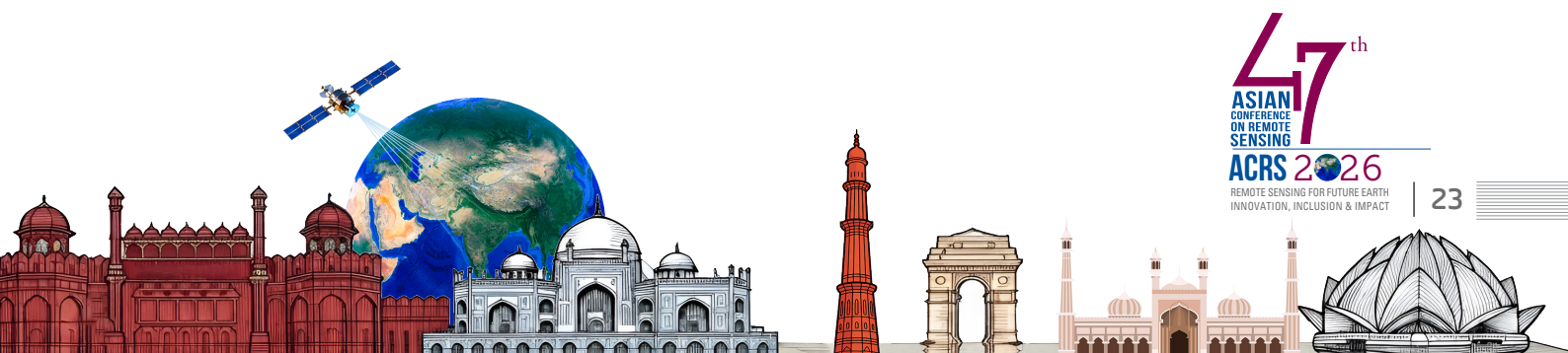
Shri Dinesh Kumar Singh, Distinguished Scientist, assumed charge as Director, U R Rao Satellite Centre (URSC), ISRO, Bengaluru on September 1, 2026. An alumnus of IIT-BHU (M.Tech) and HBTU Kanpur (B.Tech), he brings over 37 years of distinguished service to Indian space programs. As former Director of the Human Space Flight Centre (HSFC), he spearheaded foundational initiatives for the flagship Gaganyaan program, human-centric systems development, and the joint ISRO-NASA Axiom-04 mission to the ISS. Throughout his career—spanning leadership roles at SAC Ahmedabad, he has contributed extensively to satellite communications and navigation, playing key roles in the INSAT-2 series, NavIC, High Throughput Satellites, atomic clocks, and space-borne electronics. Currently pioneering research in space-based quantum and laser communications, he is a recipient of the ISRO Merit Award (2013), ASI Award (2018), and a Member of the International Academy of Astronautics (2022).



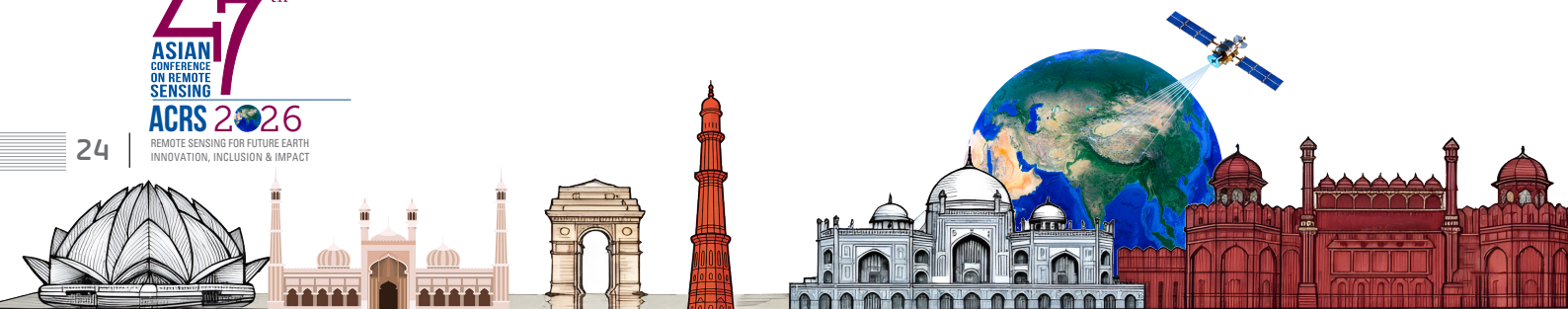


Venue :
Hotel Taj Vivanta, Dwarka, New Delhi

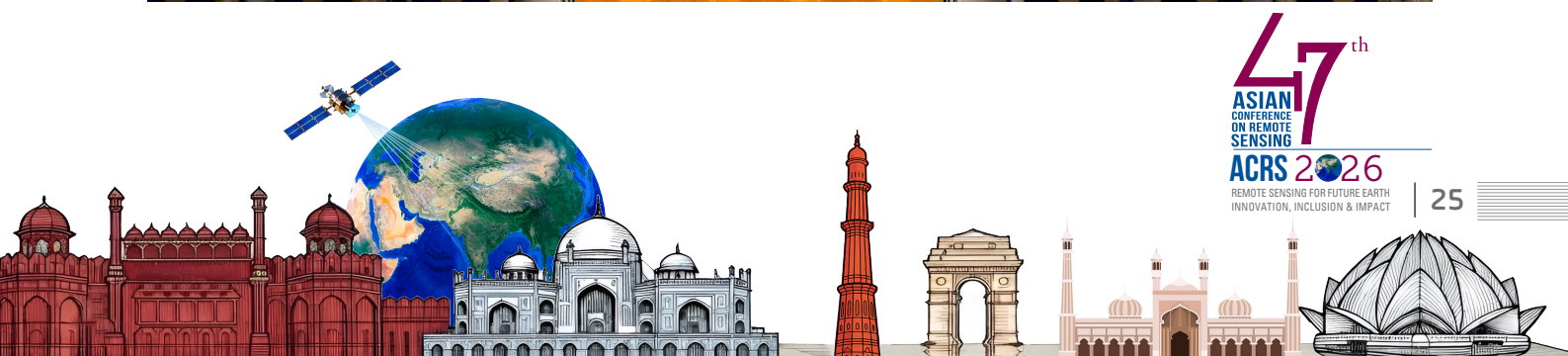
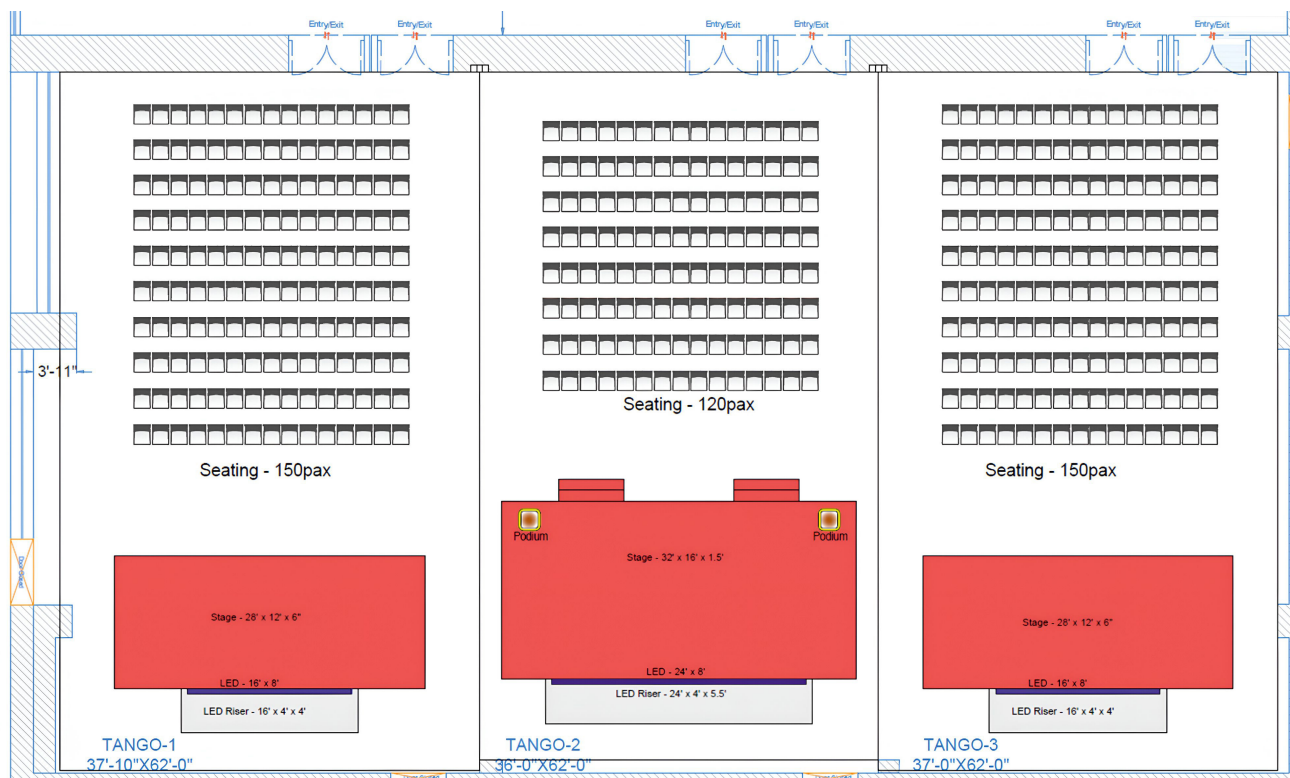
Delhi-where the timeless grandeur of Red Fort and Qutub Minar meets the architectural brilliance of India Gate and Rashtrapati Bhavan. India's vibrant capital blends rich heritage, global diplomacy, innovation, and dynamic culture into one unforgettable experience. A city that has witnessed centuries rise and renew, Delhi stands as a living chronicle of India's resilience, diversity, and leadership. From ancient wisdom to modern aspirations, Delhi inspires ideas, connects nations, and sets the stage for meaningful global conversations. A city of flavors, festivals, and forward thinking; Delhi welcomes the world with history in its heart and the future in its vision. Taj Vivanta has direct access to the Dwarka Expressway Tunnel ensures you stay effortlessly connected - just 10 minutes from the airport and Aerocity, 25 minutes to DLF Cyber Hub, and 30 minutes to Gurugram city centre. For added convenience, the Sector 21 Metro Station is just steps away, offering express connections to the airport and central Delhi. Whether you're catching a flight, heading to a meeting, or exploring the city's vibrant hubs, you're always one step ahead. The hotel features 250 contemporary rooms, including 18 spacious deluxe suites and the grand Vivanta Suite ideal for guests who like to live large. Designed by Hong Kong-based RAD Design, the modern geometric architectural style sets the perfect stage for a lively and refreshing stay.



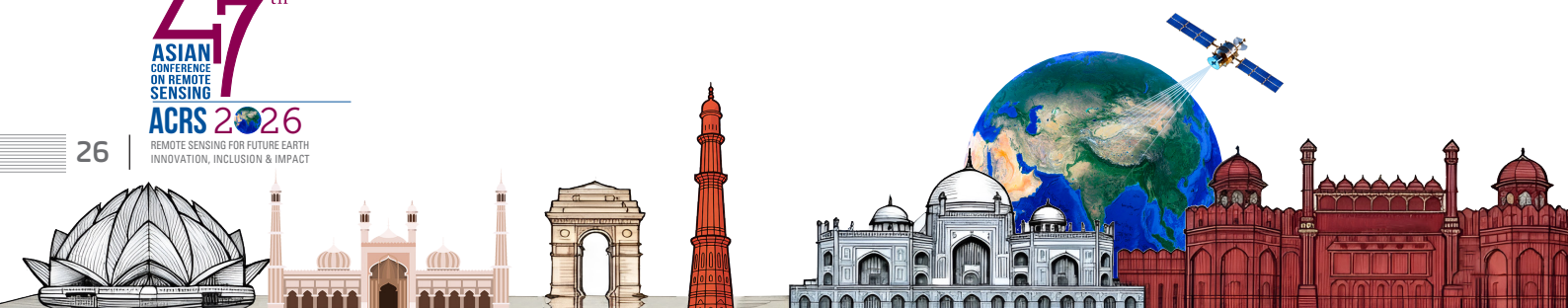
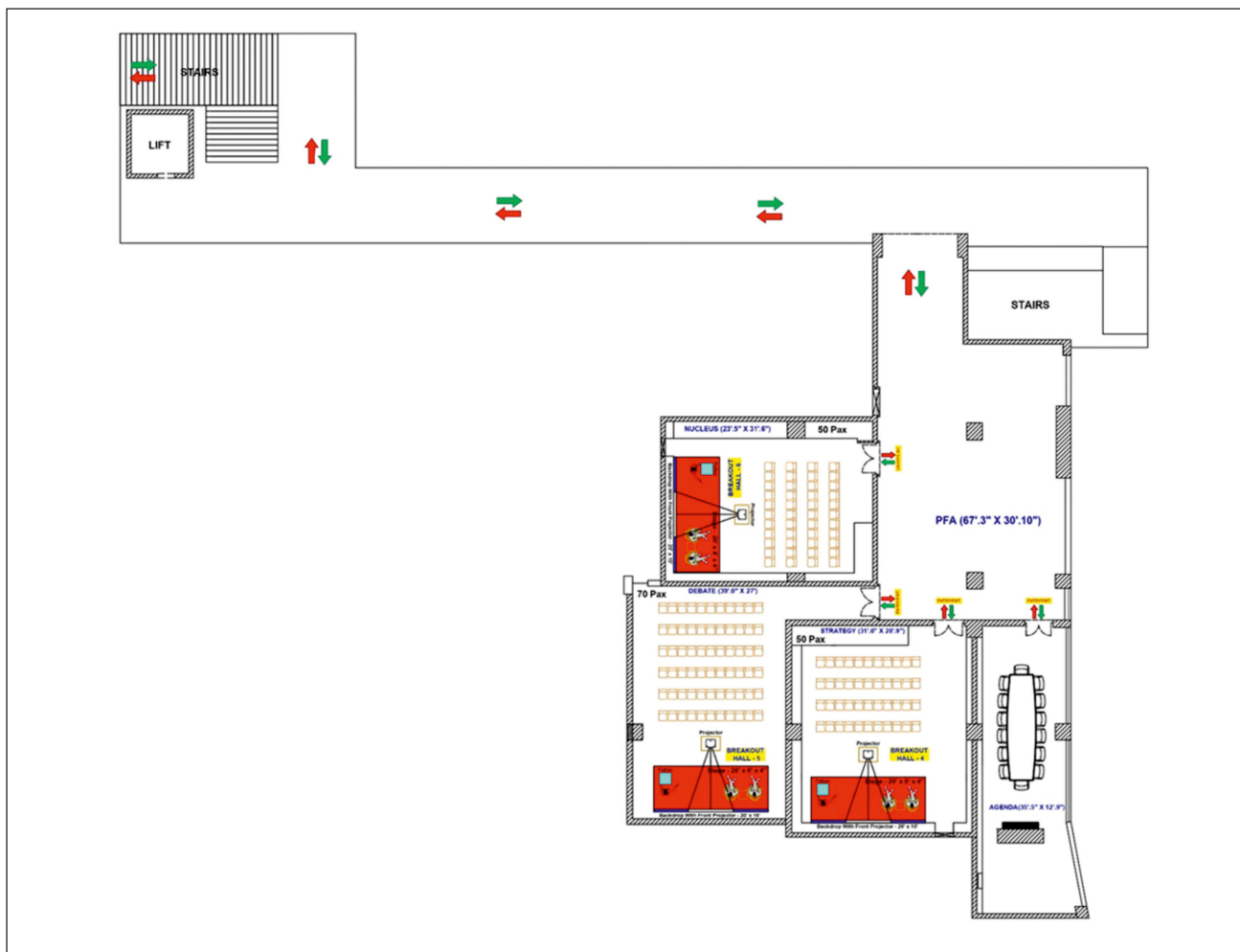
SITE LAYOUT



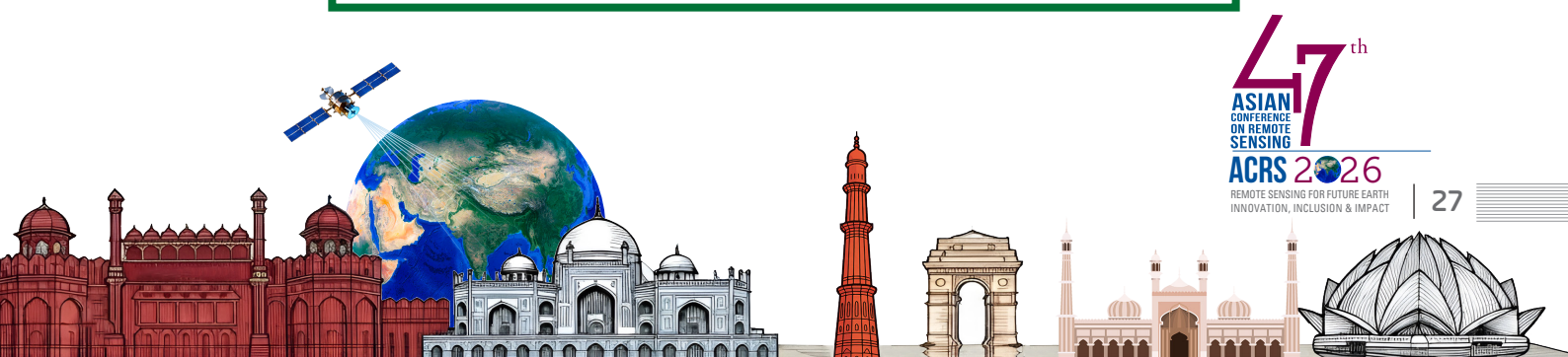
GROUND FLOOR : TANGO HALLS (1, 2, AND 3)



FIRST FLOOR : BREAKOUT HALLS



EXHIBITION/ POSTER SESSION VENUE LAYOUT

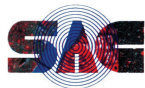


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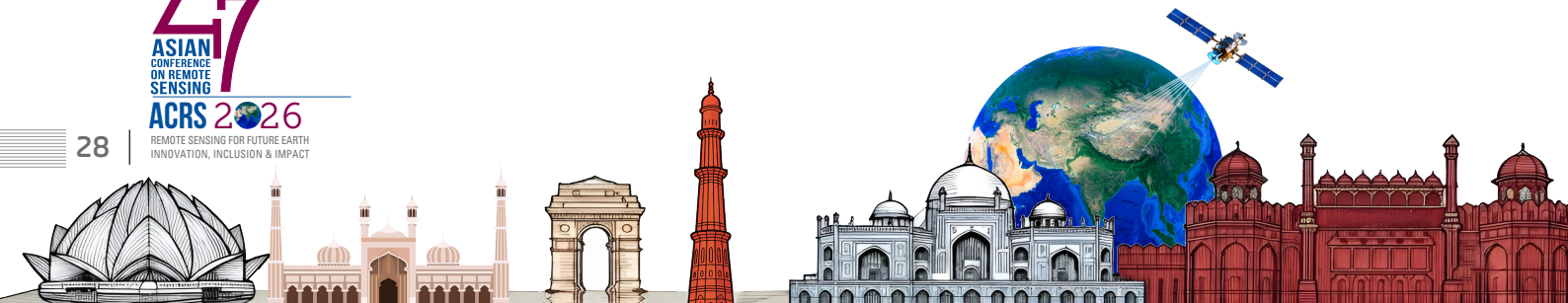
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REMOTE SENSING FOR FUTURE EARTH
INNOVATION, INCLUSION & IMPACT



Exhibitors

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SPACE

satleo
Thermal Vision for a Smarter Planet

JANAK
Janak Positioning & Surveying Systems Pvt Ltd

SHIV NADAR
INSTITUTION OF EMINENCE DEEMED TO BE
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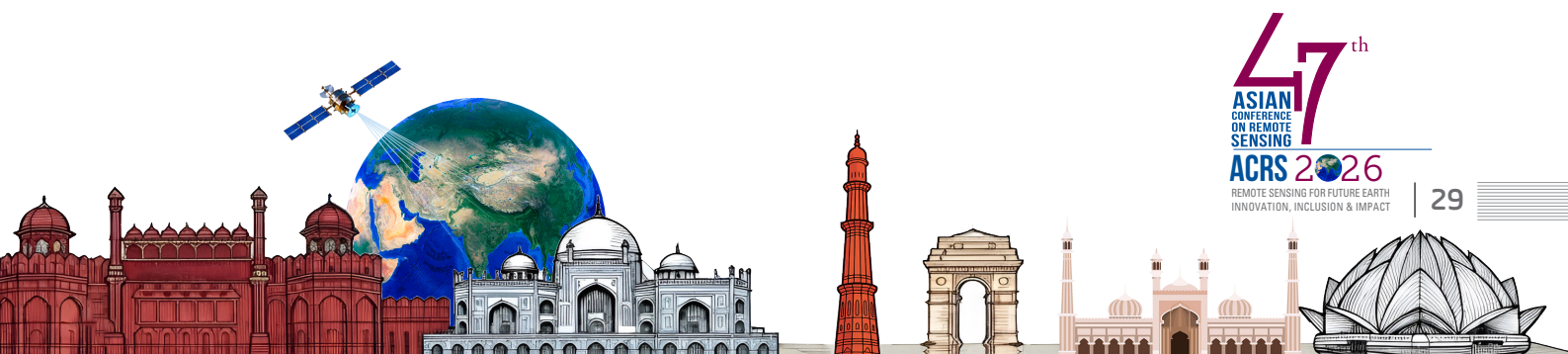
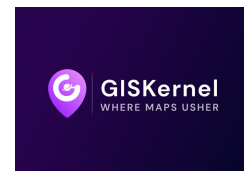
Hexamap
Solutions



AGROCAST
ANALYTICS

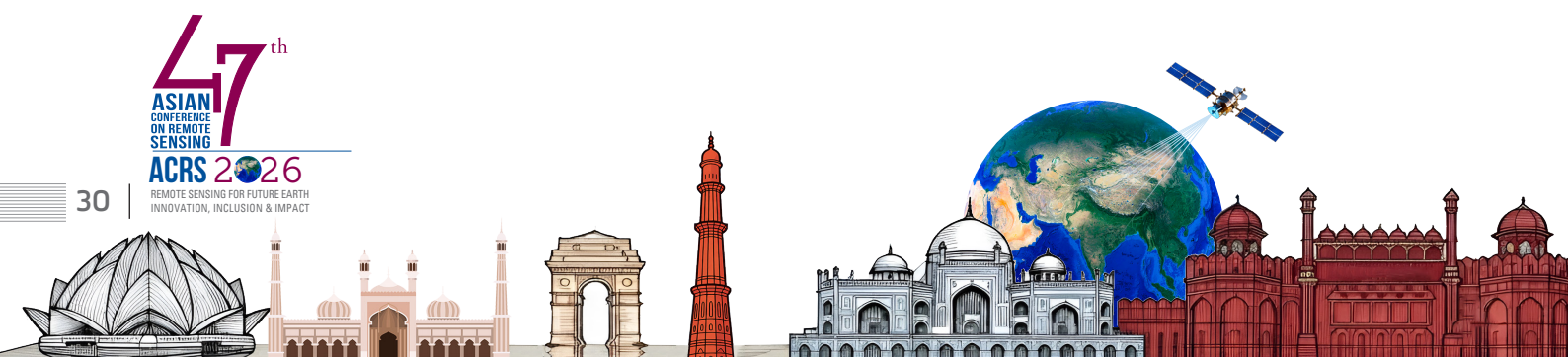


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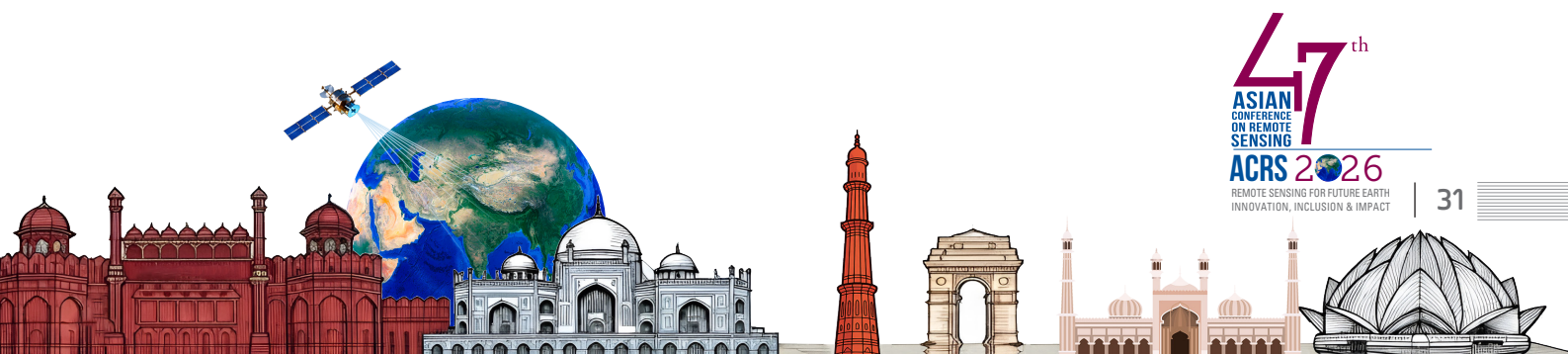


SESSION DETAILS

ACRS 2026 Tentative Program Schedule									
Date	Time	Ballroom (Tango) 1	Debate Meeting Room	Nucleus Meeting Room	Strategy Meeting Room	Ballroom (Tango) 3	Ballroom (Tango) 2	Venus Pavillion 1	
Day 0 Sunday, October 11, 2026	14:00 – 20:00	Registration							
Day 1 Monday, October 12, 2026	07:00 – 09:30	Registration							
	09:30 – 11:30	Opening Ceremony @ Ballroom (Tango)							
	11:30 – 12:00	High Tea with Snacks @ Venus Pavillion 1							
	12:00 – 12:30	Plenary Session - 01 : Dr. Christian Hepke, Former President, ISPRS							
	12:30 – 13:00	Plenary Session - 02 : Prof. Anil Bhardwaj, Director, PRL							
	13:00 – 14:00	Lunch Break							
	14:00 – 15:30	A1. EO for Sustainable Earth (Agriculture)	B1. Earth System Dynamics & Disaster Risk Intel.	C1. Advanced Image Analytics and GeoAI	D1. Sensors, Platforms, Calibration Tech.	E1. Emerging Technologies	JAXA Session	Technical Exhibition	
	15:30 – 15:45	Tea/ Coffee and Snacks @ Venus Pavillion							
	15:45 – 17:15	A2. EO for Sustainable Earth (Agriculture)	B2. Earth System Dynamics & Disaster Risk Intel.	C2. Advanced Image Analytics and GeoAI	D2. Sensors, Platforms, Calibration Tech.	M1. ISRO Session -01	Industry Session -01		
	17:30 – 18:30	Vikram Sarabhai Lecture by Shri Nilesh Desai, Former Director, SAC Chaired by Dr. Shailesh Naik, Former Secretary, MoES & Director NIAS							
18:30 – 21:00	Cultural Programme & Dinner								
Day 2 Tuesday, October 13, 2026	09:30 - 10:00	Plenary Session - 03 : Dr. Siddharth Mishra, Executive Vice President, IEEE-GRSS							
	10:00 - 10:30	Plenary Session - 04 : ISG Millenium Lecture by Dr. Prakash Chauhan, Director, NRSC, ISRO							
	10:30 - 11:00	Tea/ Coffee and Snacks @ Venus Pavillion 1							
	11:00 - 12:30	A3. EO for Sustainable Earth (Agriculture)	B3. Earth System Dynamics & Disaster Risk Intel.	C3. Advanced Image Analytics and GeoAI	D3. Sensors, Platforms, Calibration Tech.	E2. Emerging Technologies	A14. EO for Sustainable Earth (Water Res.)		Technical Exhibition
	12:30 - 13:30	Lunch Break							
	13:30 - 14:30	Poster Session @ Venus Pavillion 1						M2. ISRO Session -02	
	A4. EO for Sustainable Earth (Agriculture)	B4. Earth System Dynamics & Disaster Risk Intel.	C4. Advanced Image Analytics & GeoAI	D4. Sensors, Platforms, Calibration Tech.	E3. Emerging Technologies	Industry Session -02			

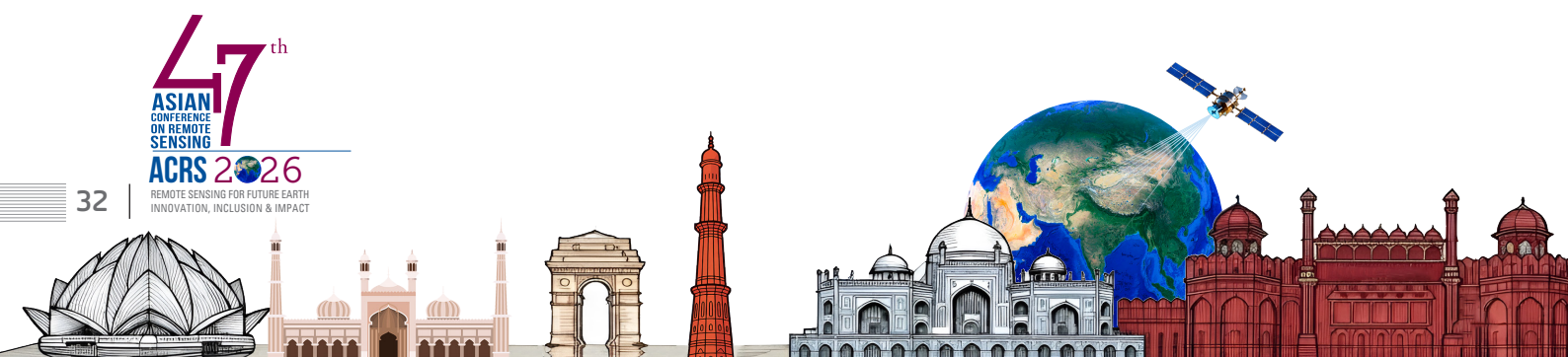


	16:00 - 16:15	Tea/ Coffee and Snacks @ Venus Pavillion 1						
	16:15 - 17:45	A5. EO for Sustainable Earth (Agriculture)	B5. Earth System Dynamics & Disaster Risk Intel.	C5. Advanced Image Analytics & GeoAI	D5. Sensors, Platforms, Calibration Tech.	Satellite Program AARS	E4. Emerging Technologies	
	18:00 - 20:00					First General Conference (Invited Delegates Only)	AGM ISRS (Invited Delegates Only)	
	20:00 - 21:00					Dinner (Invited Delegates only)		
Day 3 Wednesday, October 14, 2026	09:30 - 10:00	Plenary Session - 05 : Dr. Rashmi Sharma, Deputy Director, EPSAA, SAC, ISRO						Technical Exhibition
	10:00 - 10:30	Plenary Session - 06 : Dr. S. P. Aggarwal, Director, NESAC						
	10:30 - 11:00	Tea/ Coffee and Snacks @ Venus Pavillion 1						
	11:00 - 12:30	A6. EO for Sustainable Earth (Agriculture)	B6. Earth System Dynamics & Disaster Risk Intel.	C6. Advanced Image Analytics & GeoAI	White Elephant	D6. Sensors, Platforms, Calibration Tech.	M3. UCOST	
	12:30 - 13:30	Lunch Break						
	13:30 - 14:30	Poster Session @ Venus Pavillion 1				WEBCON & ICON	M4. Dept. of Posts	
	14:30 - 16:00	A7. EO for Sustainable Earth (Forest)	B7. Earth System Dynamics & Disaster Risk Intel.	C7. Advanced Image Analytics & GeoAI	G1. Geospatial Services for Societal Impact		F1. Agentic GIS	
	16:00 - 16:15	Tea/ Coffee and Snacks @ Venus Pavillion 1						
	16:15 - 17:45	A8. EO for Sustainable Earth (Forest)	B8. Earth System Dynamics & Disaster Risk Intel.	C8. Advanced Image Analytics & GeoAI	G2. Geospatial Services for Societal Impact	F2. Agentic GIS	A12. EO for Sustainable Earth (Land & Soil Res.)	
	18:00 - 20:00		AGM ISG (Invited Delegates Only)			Students' Night		
	20:00 - 21:00		Dinner (Invited Delegates only)					
Day 4 Thursday, October 15, 2026	09:30 - 10:00	Plenary Session - 07 : Mr.Vijay Kumar, Senior Vice President and CTO, ESRI India						Technical Exhibition
	10:00 - 10:30	Plenary Session - 08 : Dr. T. Srinivasa Kumar Tummala, Secretary, MoES						
	10:30 - 11:00	Tea/ Coffee and Snacks @ Venus Pavillion 1						
	11:00 - 12:30	A9. EO for Sustainable Earth (Forest)	B9. Earth System Dynamics & Disaster Risk Intel.	C9. Advanced Image Analytics & GeoAI	G3. Geospatial Services for Societal Impact	A13. EO for Sustainable Earth (Mineral Res.)	M5. Ministry of Earth Sciences	
	12:30 - 13:30	Lunch Break						
	13:30 - 14:30	Poster Session @ Venus Pavillion 1				M6. ICAR - CMFRI	Second General Conference (Delegates only)	
	14:30 - 16:00	A10. EO for Sustainable Earth (Forest)	B10. Earth System Dynamics & Disaster Risk Intel.	C10. Advanced Image Analytics & GeoAI	M7. UPRSAC	G4. Geospatial Services for Societal Impact (DPIs)		



Day 5 Friday, October 16, 2026	16:00 - 16:15	Tea/ Coffee and Snacks @ Venus Pavillion 1						
	16:15 - 17:45	A11. EO for Sustainable Earth (Forest)	H1. GNSS Applications	G5. Geospatial Services for Societal Impact (G-Gov.)	G7. Geospatial Services for Societal Impact (Geohealth)	A16. EO for Sustainable Earth (Surface Water Res)	A15. EO for Sustainable Earth (Ground Water Res.)	
	09:00 - 10:30	A17. EO for Sustainable Earth (Water Quality)	H2. GNSS Applications	G6. Geospatial Services for Societal Impact (G-Gov.)	A18. EO for Sustainable Earth (Wetlands)	Industry Session -03	M8. Indian Council of Medical Research	Technical Exhibition
	10:30 - 11:00	Tea/ Coffee and Snacks @ Venus Pavillion 1						
	11:00 - 11:20	Plenary Session - 09 : Dr. Shailesh Kumar Sinha, Surveyor General of India, Sol						
	11:20 - 11:40	Plenary Session - 10 : Dr. Rajesh Mathur, Vice Chairman, Board of NIIT GIS Ltd., ESRI						
	11:40 - 12:00	Plenary Session - 11 : Shri D. K. Singh, Director, URSC, ISRO						
	12:00 - 13:00	Closing Ceremony						
	13:00 - 14:00	Lunch						

Technical Oral Presentation Sessions	AARS / ISPRS / JAXA / Industry Sessions	Ministry Sessions	AARS GC ISRS AGM ISG AGM	Plenary Sessions & Special Lectures	Poster Sessions
59	07	08	04	12	03



AARS Special Sessions

- General Conference (I and II)
- WEBCON
- Satellite Program Session
- White Elephant Session
- Students' Night
- Welcome Party

Ministry Sessions

- ISRO Session-I
- ISRO Session-II
- Uttarakhand State Council for Science and Technology (UCOST)
- Department of Posts, Ministry of Communications
- Ministry of Earth Sciences
- ICAR- Central Marine Fisheries Research Institute
- UP Remote Sensing Applications Centre
- Indian Council of Medical Research (ICMR)

ISRS Special Sessions

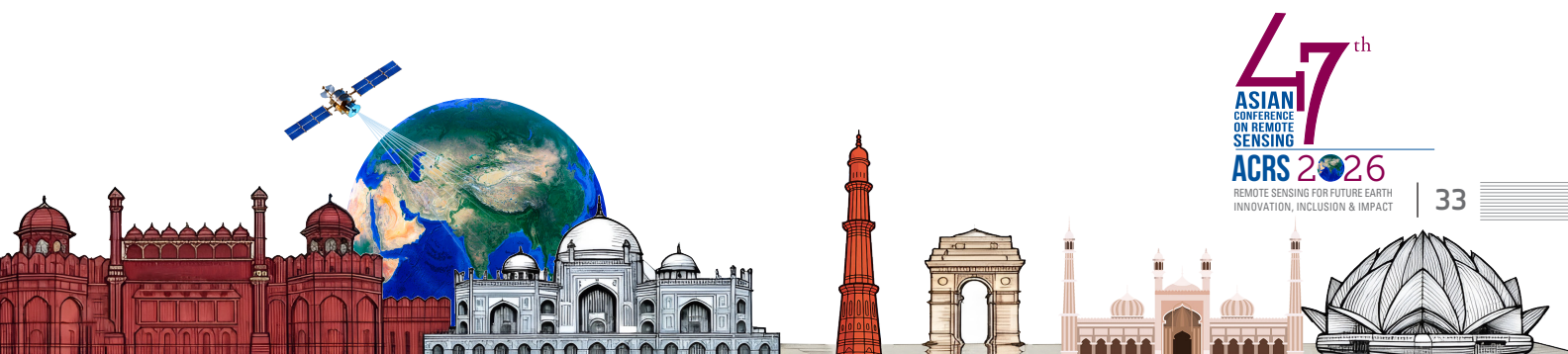
- Dr. Vikram Sarabhai Memorial Lecture Session
- Senior & Junior Awards Ceremony
- ICON Award
- Annual General Body Meeting
- Oral & Poster Sessions ISRS Awards

ISG Special Sessions

- ISG Millennium Lecture
- ISG Awards Ceremony
- Oral & Poster Sessions ISG Awards
- Annual General Body Meeting

Plenary Talks & Special Lectures

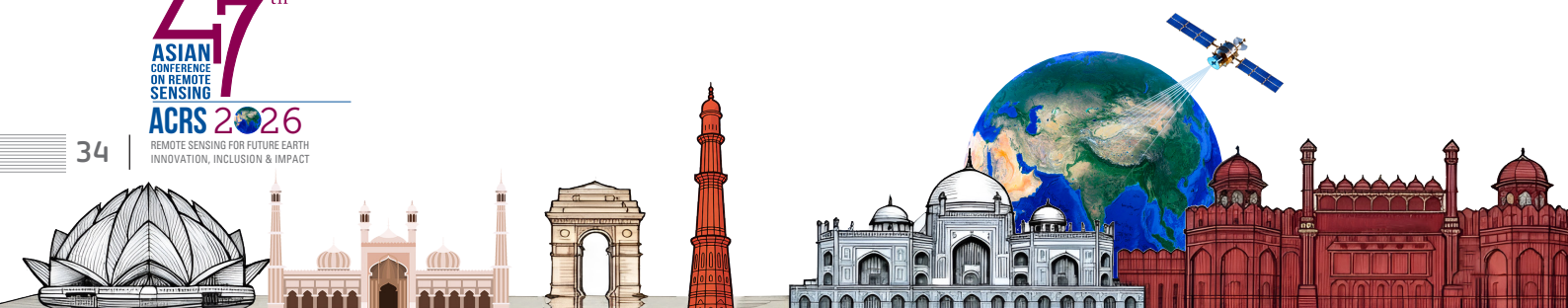
- Prof. Dr.-Ing. Christian Heipke, Former President, ISPRS
- Dr. Anil Bhardwaj, Director, PRL
- Shri Nilesh M. Desai, Former Director, SAC (Vikram Sarabhai Memorial Lecture)
- Dr. Prakash Chauhan, Director, NRSC, ISRO (ISG Millenium Lecture)
- Dr. Sidharth Misra, Executive Vice President of IEEE Geoscience and Remote Sensing Society (GRSS)
- Dr. Rashmi Sharma, Deputy Director, EPSAA, SAC, ISRO
- Dr. S. P. Aggarwal, Director, NESAC
- Shri Vijay Kumar, Senior Vice President and CTO, ESRI India
- Dr. Srinivasa Kumar Tummala, Secretary, MoES
- Shri S K Sinha, Surveyor General of India, Sol
- Dr. Rajesh C Mathur, Vice Chairman, Board of NIIT GIS Ltd., ESRI
- Dr. D. K. Singh, Director, URSC, ISRO



TECHNICAL SESSIONS SCHEDULE

Day-1: 12th Oct, 2026

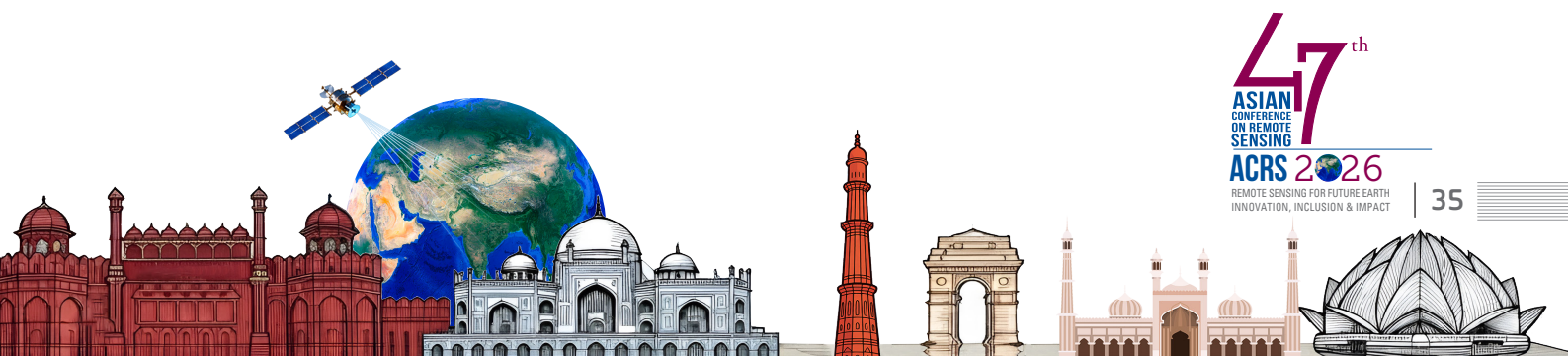
Theme	Session	Abstract ID	Title
Earth Observation For Sustainable Earth	A1	ACRS26_ABS_F688712	A Novel Individual Sample as Mean Training Framework for Fuzzy Machine Learning based Summer Crop Analytics in Kurukshetra District
Earth Observation For Sustainable Earth	A1	ACRS26_ABS_Q116368	Automated Rule-Based Rice Crop Mapping Using Multi-Temporal Polarimetric Sentinel-1 SAR Data over the Himalayan Agroecosystem of Ziro Valley India
Earth Observation For Sustainable Earth	A1	ACRS26_ABS_G885505	A Graph Convolutional Network Approach for Crop Classification using time-series Sentinel-2 imagery
Earth Observation For Sustainable Earth	A1	ACRS26_ABS_M887040	Evaluation of Integrated EOS-04 and Sentinel-1A Multi-Temporal SAR Data for Rainfed Kharif Crops Classification in Semi-Arid environment of Rajasthan
Earth Observation For Sustainable Earth	A1	ACRS26_ABS_W682706	Tomato Crop Mapping Using Multi-Sensor Optical And Sar Data
Earth Observation For Sustainable Earth	A1	ACRS26_ABS_M158373	Identification of Rabi Crop Extents Using PCA-Enhanced Dimension Reduction Approach From Optical Data: A Case Study In Rajasthan State
Earth Observation For Sustainable Earth	A2	ACRS26_ABS_M701416	Global and National-Scale Assessment of Potential Areas for Purple Yam (<i>Dioscorea alata</i> L.) Cultivation Using EcoCrop Modeling and GIS Analysis
Earth Observation For Sustainable Earth	A2	ACRS26_ABS_C932911	Predictive Mapping of Banana Bunchy Top Virus Risk for Sustainable Abaca Management in the Caraga Region Philippines
Earth Observation For Sustainable Earth	A2	ACRS26_ABS_N661994	Sugarcane Crop Type Discrimination and Agricultural Drought Assessment in Haridwar District Using Time-Series Sentinel-1 SAR and Sentinel-2 Optical Data with
Earth Observation For Sustainable Earth	A2	ACRS26_ABS_Q989714	Potato Crop Mapping using Sentinel-2 and Multi-Classifer Ensemble technique with Google Earth Engine
Earth Observation For Sustainable Earth	A2	ACRS26_ABS_P900515	Early Detection of Cotton Crop Anomalies through Satellite-Derived NDVI Prediction Using SARIMAX, Random Forest, XGBoost, and LSTM



TECHNICAL SESSIONS SCHEDULE

Day-1: 12th Oct, 2026

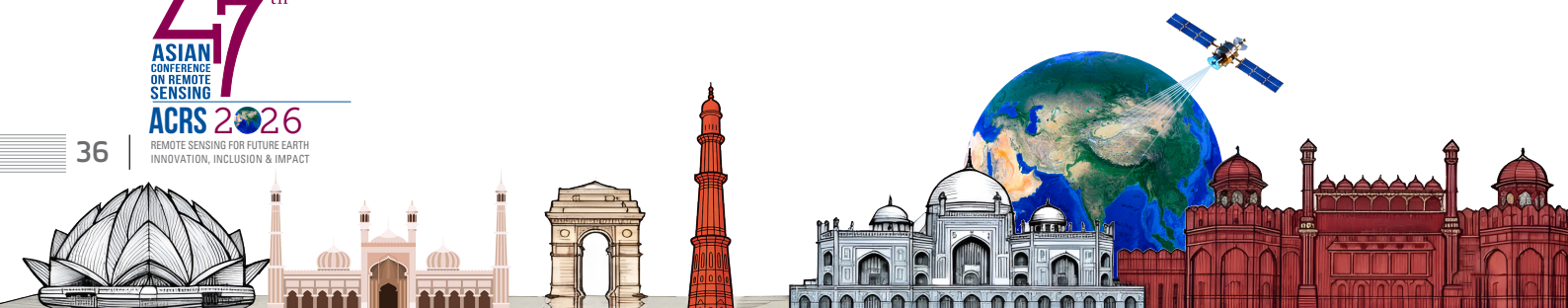
Theme	Session	Abstract ID	Title
Earth Observation For Sustainable Earth	A2	ACRS26_ABS_N752482	An AI-Driven Geospatial Framework for Cultivar-Level Discrimination and Mapping of Sugarcane Using Multi-Temporal Earth Observation Data
Earth System Dynamics & Disaster Risk Intelligence	B1	ACRS26_ABS_F788401	Integrated Analysis of Surface Deformation Along a Railway Corridor and Its Surroundings Using Satellite-Based Persistent Scatterer InSAR (PS-InSAR) and Terrestrial Measurements
Earth System Dynamics & Disaster Risk Intelligence	B1	ACRS26_ABS_B752663	Spatial Variability of Relative Uplift Rates and Channel Response in the Uhl River Basin India: A Morphotectonic Investigation
Earth System Dynamics & Disaster Risk Intelligence	B1	ACRS26_ABS_Y153130	Assessing the Relationship Between Urban Development and Land Subsidence in Joshimath Using SBAS-InSAR and GIS (2022-2024)
Earth System Dynamics & Disaster Risk Intelligence	B1	ACRS26_ABS_O930122	Estimation of LOS Deformation and Coherence Change Detection of Myanmar Earthquake (Mw 7.7) using SAR Interferometry
Earth System Dynamics & Disaster Risk Intelligence	B1	ACRS26_ABS_I647884	Volcanic Surface Deformation Mapping Validation and Forecasting Using Multi-Temporal D-InSAR
Earth System Dynamics & Disaster Risk Intelligence	B1	ACRS26_ABS_D352934	Monitoring recent eruptions (2025-2026) of Barren Island and related geomorphic evolutions using multi-sensor Earth Observation approach
Earth System Dynamics & Disaster Risk Intelligence	B2	ACRS26_ABS_R460591	Spatial Analysis Of Landslide Vulnerability Zoning Using Weight Of Evidence (Woe) In The Walanae And Lisu Subwatershed Indonesia
Earth System Dynamics & Disaster Risk Intelligence	B2	ACRS26_ABS_H988213	A Semi-Automated Preliminary Framework for Mapping Landslides Using Sentinel-1 and Sentinel-2: A Case of 2019 North Cotabato Earthquake in the Philippine
Earth System Dynamics & Disaster Risk Intelligence	B2	ACRS26_ABS_W999410	Quantitative Characterization of Earthquake-Induced Landslides Using Multi-Parameter Evaluation
Earth System Dynamics & Disaster Risk Intelligence	B2	ACRS26_ABS_N649176	Spatial Mapping of Landslide Susceptibility Based on the Integration of Geological Maps and Rock Sampling Checkpoints in Latimojong District
Earth System Dynamics & Disaster Risk Intelligence	B2	ACRS26_ABS_Q881409	Landslide Susceptibility Mapping Using Random Forest Logistic Regression and XGBoost: A Comparative Study



TECHNICAL SESSIONS SCHEDULE

Day-1: 12th Oct, 2026

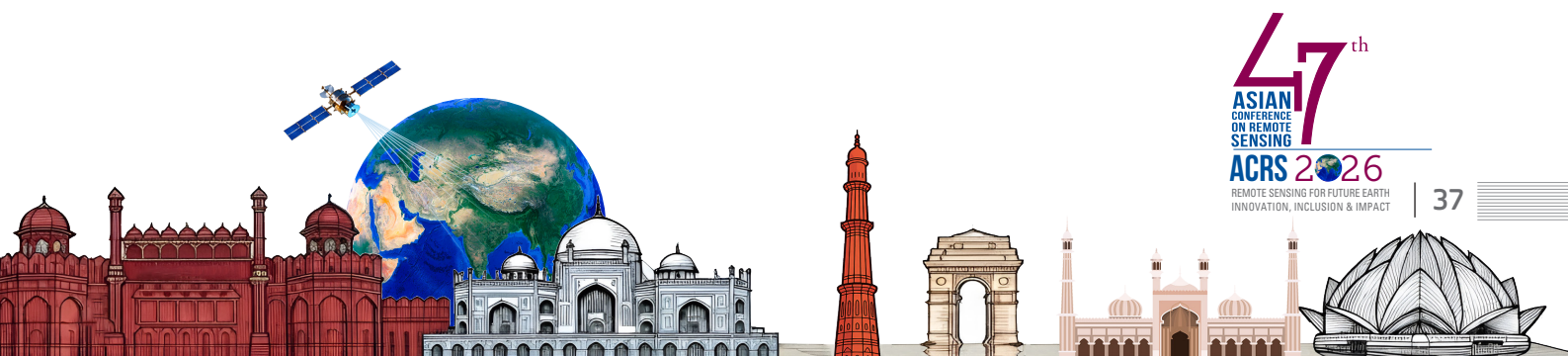
Theme	Session	Abstract ID	Title
Advanced Image Analytics & GeoAI	C1	ACRS26_ABS_B189361	Multi-Image Super Resolution Using Swin2SR Transformer: A Deep Learning Approach for High-Fidelity Image Reconstruction
Advanced Image Analytics & GeoAI	C1	ACRS26_ABS_D833582	Deterministic Reconstruction of Corrupted Meteor M2 LRPT Satellite Imagery
Advanced Image Analytics & GeoAI	C1	ACRS26_ABS_D761781	Cross-Sensor Super-Resolution for Himawari AHI: Enhancing NIR/SWIR Image Quality Using SNPP VIIRS Imagery
Advanced Image Analytics & GeoAI	C1	ACRS26_ABS_K787221	AI-Driven Super-Resolution for Enhancing Satellite Imagery and Digital Elevation Data
Advanced Image Analytics & GeoAI	C1	ACRS26_ABS_Y411558	Generative Reconstruction of Cloud-Obscured LISS-IV Satellite Imagery Using SAR-Optical Fusion
Advanced Image Analytics & GeoAI	C1	ACRS26_ABS_B833947	Implementation of a Low-Latency Seam Reduction Technique for Cartosat-3 Quick-Look Imagery
Advanced Image Analytics & GeoAI	C2	ACRS26_ABS_H828271	Adaptive Gate-Enhanced SFIM for Spectrally Consistent and Computationally Efficient Pansharpening of Multi-Sensor Satellite Imagery
Advanced Image Analytics & GeoAI	C2	ACRS26_ABS_P823201	Dual-Pipeline Unsupervised Hyperspectral Fusion of PRISMA Sentinel-2 and PlanetScope for Fine-Scale Forest Ecosystem Mapping
Advanced Image Analytics & GeoAI	C2	ACRS26_ABS_T238447	Unmixing Using BRDF of Land Covers for Global Albedo Estimation
Advanced Image Analytics & GeoAI	C2	ACRS26_ABS_S181541	Seismic Risk Assessment of UNESCO Heritage sites of India
Advanced Image Analytics & GeoAI	C2	ACRS26_ABS_B292649	Comparative Analysis of Deep Learning Models for Semantic Segmentation of Mango Plantations Using UAV Imagery
Sensors, Platforms and Calibration Technologies	D1	ACRS26_ABS_A839348	Biomass Estimation Using P-band Polarimetric Interferometric SAR (PolInSAR) Data for Forest Structure Characterization
Sensors, Platforms and Calibration Technologies	D1	ACRS26_ABS_F904277	Polarimetric Characterization of LULC Scattering Mechanisms Using NISAR Level-1 and Level-2 Synthetic Aperture Radar Products
Sensors, Platforms and Calibration Technologies	D1	ACRS26_ABS_J588105	Change detection in urban area using polarimetric signature



TECHNICAL SESSIONS SCHEDULE

Day-1: 12th Oct, 2026

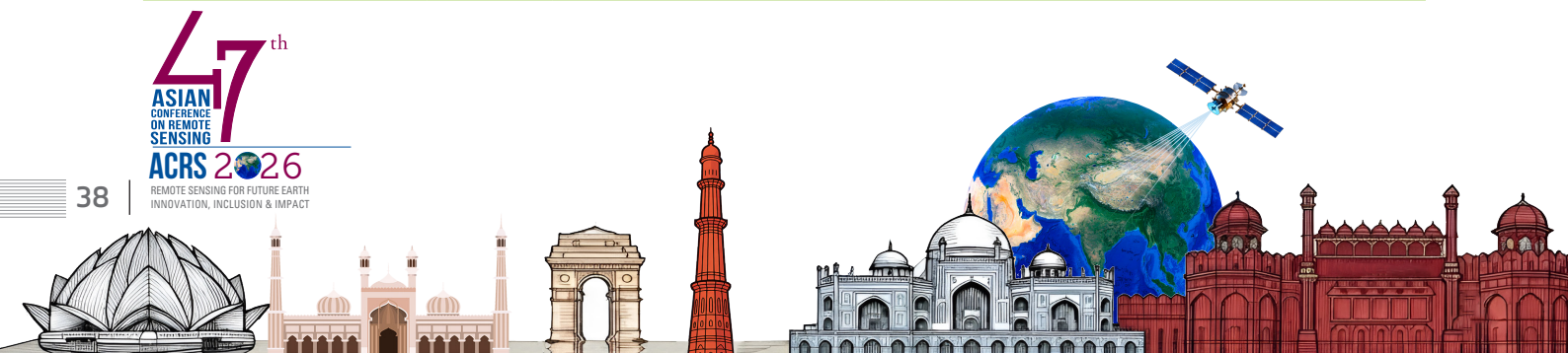
Theme	Session	Abstract ID	Title
Sensors, Platforms and Calibration Technologies	D1	ACRS26_ABS_N661289	Polarimetric and Spectral Signatures of Earth Targets: An Analysis of POLDER/PARASOL Data
Sensors, Platforms and Calibration Technologies	D1	ACRS26_ABS_O423916	Detection of Smoke Aerosols from Satellite-based Polarimetry
Sensors, Platforms and Calibration Technologies	D1	ACRS26_ABS_Q871921	Ship Detection and Size Estimation Using Multi-Frequency SAR Data: A Comparative Study over Mangalore Port West Coast of India
Sensors, Platforms and Calibration Technologies	D2	ACRS26_ABS_Y594721	Study on Use Cases of Pi-SAR X3: A Full-Polarimetric X-band Airborne SAR with 15-cm Resolution
Sensors, Platforms and Calibration Technologies	D2	ACRS26_ABS_O349531	Design and Evaluation of a Pseudorandom Waveform Library for Low Probability of Intercept Noise Radar Systems
Sensors, Platforms and Calibration Technologies	D2	ACRS26_ABS_Q250614	Design and FPGA Development of Scalable and Real-Time Digital FFT Spectrometer for Next Generation Millimeter-Wave Atmospheric Sounder
Sensors, Platforms and Calibration Technologies	D2	ACRS26_ABS_W375427	Design and Development of a Wireless Multi-Node Vibration Monitoring System
Emerging Technologies	E1	ACRS26_ABS_B438216	Real-Time Urban Digital Twin for Spatial Impact Assessment and Urban Planning Using Remote Sensing
Emerging Technologies	E1	ACRS26_ABS_G582002	Urban Digital Twin Framework for Monitoring Rainfall Patterns and Environmental Dynamics in Hyderabad
Emerging Technologies	E1	ACRS26_ABS_K953491	Automated Physical Topology Inference and AI-Driven Digital Twin Generation of Power Distribution Networks Using High-Resolution Satellite Imagery
Emerging Technologies	E1	ACRS26_ABS_Q151568	A Web-Based Geospatial Flood Monitoring and Digital Twin Platform
Emerging Technologies	E1	ACRS26_ABS_R750391	A Grid-Based 3D Framework for Building Integrated Photovoltaic Potential (BIPV) Assessment Using LOD-1 City Models



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

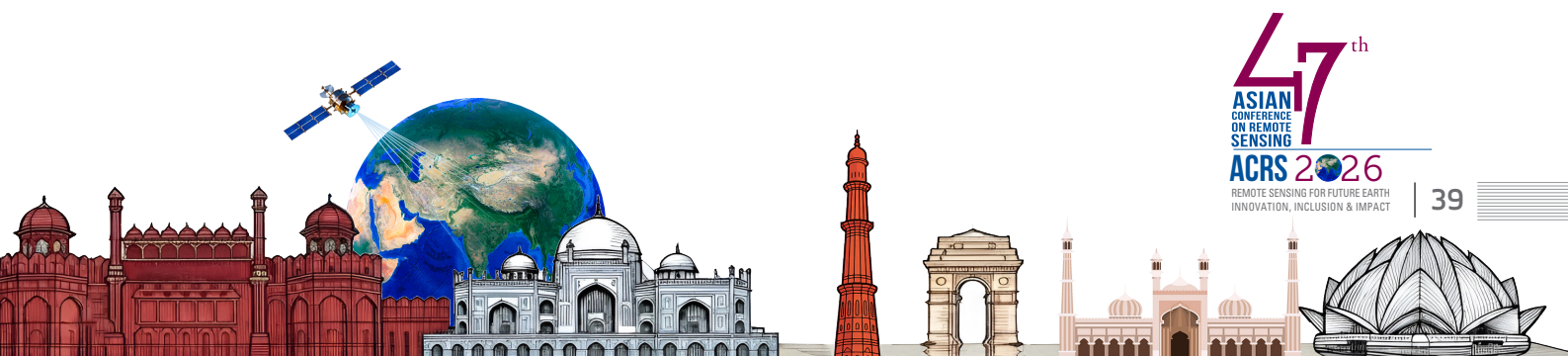
Theme	Session	Abstract ID	Title
Earth Observation For Sustainable Earth	A3	ACRS26_ABS_X675598	Climate Change and Climate Impact of Hindu Kush Himalaya for Sustainable Agriculture
Earth Observation For Sustainable Earth	A3	ACRS26_ABS_C213216	An Integrated Geospatial Approach for Sustainable Climate Resilient Agricultural Planning: A Case Study from Semi-Arid India
Earth Observation For Sustainable Earth	A3	ACRS26_ABS_I415579	Crop Resilience to Climate Extremes in Gangetic Plains: Evaluating the Role of Interventions under National-level Schemes
Earth Observation For Sustainable Earth	A3	ACRS26_ABS_W729201	Early Detection of Drought-Induced Stress in Green Gram Using Continuous Sun-Induced Chlorophyll Fluorescence (SIF)
Earth Observation For Sustainable Earth	A3	ACRS26_ABS_L870360	Spatio-temporal coupling of rainfall characteristics and crop stress vulnerability across distinct agro-climatic zones of Andhra Pradesh India
Earth Observation For Sustainable Earth	A3	ACRS26_ABS_Y457371	Automated Stress Phenotyping of Citrus in Western Rajasthan: A WebGIS Framework Fusing UAV Hyperspectral and Point Cloud Data
Earth Observation For Sustainable Earth	A4	ACRS26_ABS_S181529	National-Scale Annual Rice Paddy Mapping in Indonesia (1990–2024) Using Multi-Generational Landsat Data.
Earth Observation For Sustainable Earth	A4	ACRS26_ABS_N251092	Rice Transplantation Area Mapping Using Time Series Sentinel-1 Dataset
Earth Observation For Sustainable Earth	A4	ACRS26_ABS_U753041	Integration of Vegetation Indices and Machine Learning Techniques for Crop Type Classification and Area Estimation Using Sentinel-2 Imagery
Earth Observation For Sustainable Earth	A4	ACRS26_ABS_V521179	Transforming Agricultural Mapping: The Impact of Vegetation Indices on Cropland Accuracy
Earth Observation For Sustainable Earth	A4	ACRS26_ABS_W499329	Varietal Discrimination of Basmati and Non-Basmati Paddy Using Sentinel-1 and Sentinel-2: A Case Study of Karnal Haryana
Earth Observation For Sustainable Earth	A4	ACRS26_ABS_G363467	Crop Area Estimation Using Dual-pol Sentinel-1 SAR Data: A Study in Ramanathapuram District Tamil Nadu
Earth Observation For Sustainable Earth	A5	ACRS26_ABS_K569802	Rice Biomass Retrieval at Panicle Initiation and Heading Stages Using Dual Polarized Sentinel-1 SAR data



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

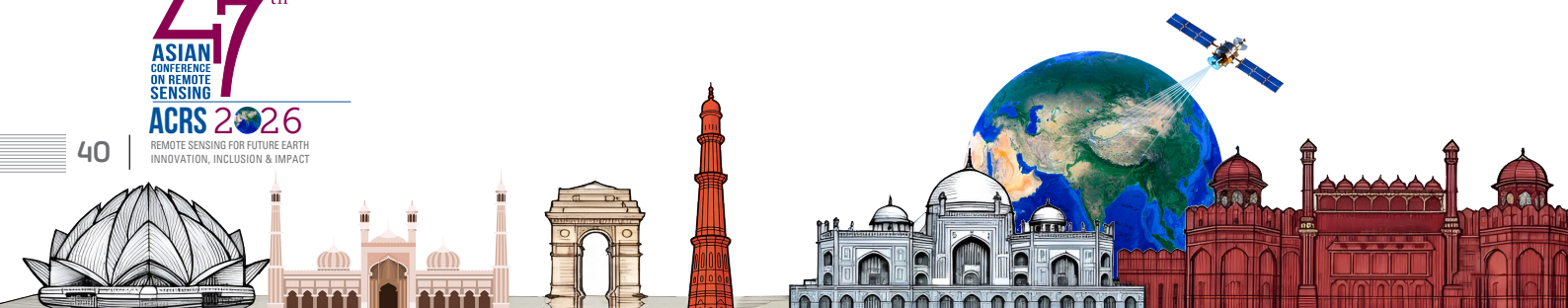
Theme	Session	Abstract ID	Title
Earth Observation For Sustainable Earth	A5	ACRS26_ABS_Q909974	Optical&SAR Synergy for High-Resolution Paddy Yield Mapping Using an Efficiency-Based Semi-Physical Model
Earth Observation For Sustainable Earth	A5	ACRS26_ABS_T262476	Geospatial Modeling of Wheat Yield across Haryana using Satellite Remote Sensing Data
Earth Observation For Sustainable Earth	A5	ACRS26_ABS_F444001	Exploring UAV based multispectral data for yield estimation of rice crop at sub-plot scale
Earth Observation For Sustainable Earth	A5	ACRS26_ABS_J840174	Integrating Sentinel-1 SAR and Sentinel-2 Optical Data with Machine Learning for Leaf Area Index Estimation in Organic and Conventional Maize
Earth Observation For Sustainable Earth	A5	ACRS26_ABS_C481130	Spatial Assessment of Chilling Hours for Temperate Horticulture Planning in Northeast India Using ERA5-Land Data
Earth Observation For Sustainable Earth	A14	ACRS26_ABS_C219645	Remote sensing and GIS-based monitoring of sand deposits and mining activities along the Son River between Bhojpur and Arwal district
Earth Observation For Sustainable Earth	A14	ACRS26_ABS_I400450	Landscape Metrics-Based Evaluation of Ecological Integrity in the Alaknanda River Basin Uttarakhand (2000&2021)
Earth Observation For Sustainable Earth	A14	ACRS26_ABS_L140615	Cloud computing based reservoir sedimentation assessment using multi temporal satellite imagery
Earth Observation For Sustainable Earth	A14	ACRS26_ABS_Y561688	Spatio-Temporal Assessment of Water Balance Components in the Sarasvati River Catchment Using SWAT to Support Sarasvati River Rejuvenation Planning
Earth Observation For Sustainable Earth	A14	ACRS26_ABS_D269771	Evapotranspiration Modelling for the Water-Energy Nexus using Geospatial Technology: Insights through METRIC Model and Scintillometry
Earth Observation For Sustainable Earth	A14	ACRS26_ABS_S535686	Investigation of Hydrological Resilience of Selected Indian Catchments using Budyko Framework
Earth System Dynamics & Disaster Risk Intelligence	B3	ACRS26_ABS_I719591	Satellite Altimetry Based Antarctic Ice Shelf Thickness Retrieval: A Novel Perception from Freeboard to Field Operations for Decision Support System



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

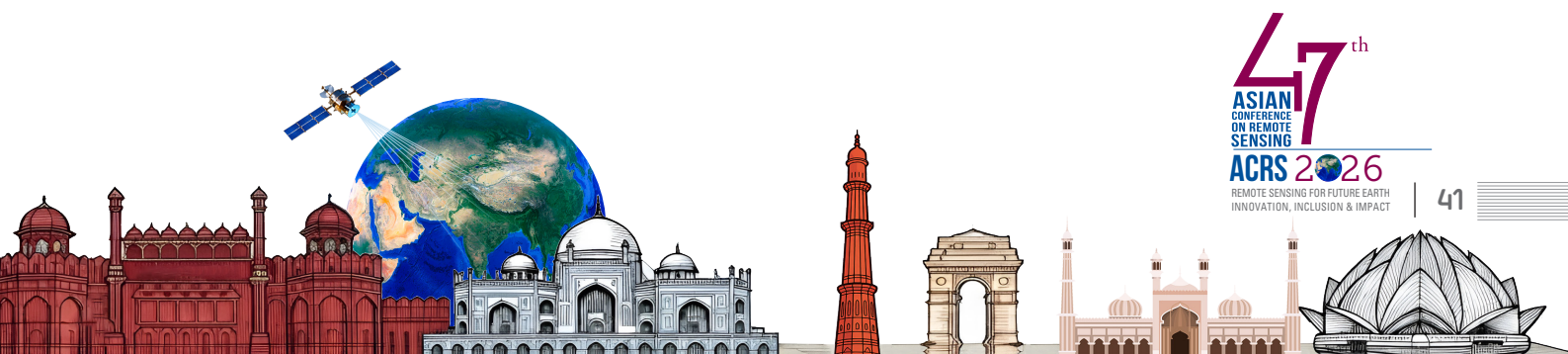
Theme	Session	Abstract ID	Title
Earth System Dynamics & Disaster Risk Intelligence	B3	ACRS26_ABS_N143400	Differential Glacier Response to Climate Change in the Chenab Beas and Sutlej Basins (2000–2023) Using Google Earth Engine and Remote Sensing
Earth System Dynamics & Disaster Risk Intelligence	B3	ACRS26_ABS_O274414	Possibilities and limitations of estimating sea ice thickness with optical sensors onboard satellites
Earth System Dynamics & Disaster Risk Intelligence	B3	ACRS26_ABS_E419485	Multi-Temporal C-band InSAR for Snow Water Equivalent Retrieval : Performance Evaluation Using Sentinel-1 Observation
Earth System Dynamics & Disaster Risk Intelligence	B3	ACRS26_ABS_F327296	Sentinel-1 SAR-Based Automated Wet-Snow Detection over the Sutlej River Basin Western Himalayas Using Adaptive Thresholding
Earth System Dynamics & Disaster Risk Intelligence	B4	ACRS26_ABS_A695224	Tracking Dust and Biomass-Burning Aerosols from Space: Spatial Variability of Aerosol Layer Height and Aerosol Index from TROPOMI over India
Earth System Dynamics & Disaster Risk Intelligence	B4	ACRS26_ABS_L969892	Estimating Urban PM2.5 Concentrations from Multi-Sensor Satellite and Atmospheric Data Using Random Forest Algorithm
Earth System Dynamics & Disaster Risk Intelligence	B4	ACRS26_ABS_C196394	Pixel-level retrieval of Aerosol Optical Depth over ocean from Ocean Colour Monitor-3: Inversion Algorithm and Sensitivity Analysis
Earth System Dynamics & Disaster Risk Intelligence	B4	ACRS26_ABS_F578051	Polarimetric Satellite Observations of Aerosol Stagnation during Winter over the Indo-Gangetic Plain
Earth System Dynamics & Disaster Risk Intelligence	B4	ACRS26_ABS_N491939	Thermal Signatures of Volcanic Ash from Recent Volcanic Eruptions in Indonesia
Earth System Dynamics & Disaster Risk Intelligence	B4	ACRS26_ABS_M424316	Classification of Clouds over Oceans using Tri-modal histogram split technique from OCM-3 GAC Imagery
Earth System Dynamics & Disaster Risk Intelligence	B5	ACRS26_ABS_N979667	Lightning Research at NARL : Towards High-Resolution 3D Mapping of Lightning event
Earth System Dynamics & Disaster Risk Intelligence	B5	ACRS26_ABS_Q668048	Development of Algorithms for Retrieval of Atmospheric Temperature and Humidity Profiles for ISRO's Microwave Sounders



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

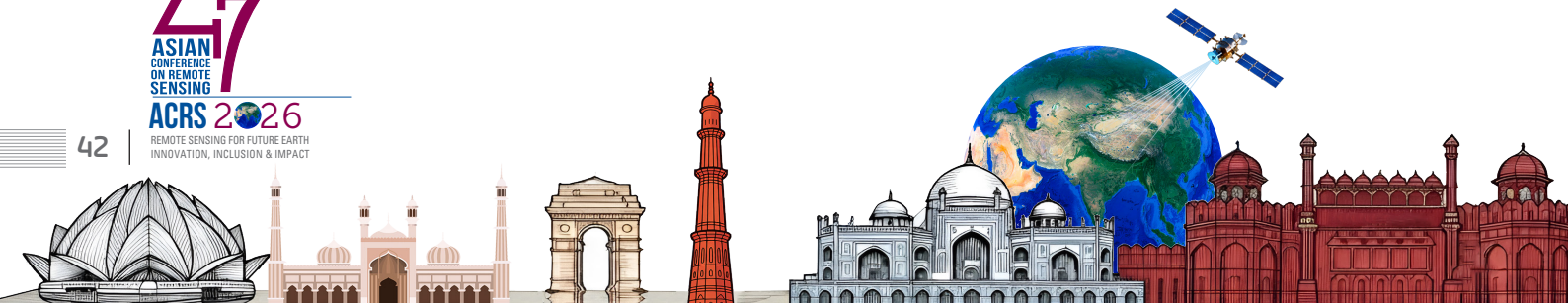
Theme	Session	Abstract ID	Title
Earth System Dynamics & Disaster Risk Intelligence	B5	ACRS26_ABS_H155830	Activeâ€"Break Variability of the Monsoon Low-Level Jet over Peninsular India from INSAT-3DR/3DS AMVs and Wind Profilers
Earth System Dynamics & Disaster Risk Intelligence	B5	ACRS26_ABS_C957225	Sensitivity analysis of cloud-to-ground (CG) lightning occurrences over land use land cover (LULC) classes across India.
Earth System Dynamics & Disaster Risk Intelligence	B5	ACRS26_ABS_T853197	From Strikes to Statistics: A Multi-Model Time Series Approach to Forecasting Lightning Over India
Earth System Dynamics & Disaster Risk Intelligence	B5	ACRS26_ABS_W207364	Lightning Incidents in India: Mortality-Validated Multi-Resolution Study of a Shifting Hazard (2012â€"2024)
Advanced Image Analytics & GeoAI	C3	ACRS26_ABS_C891129	Region Stability Index (RSI) using Timeseries PolSAR data and Binary Partition Tree (BPT)
Advanced Image Analytics & GeoAI	C3	ACRS26_ABS_U607546	An Efficient Sub-Nyquist Sampling-Based ISTA-NET+ Framework for SAR Image Reconstruction
Advanced Image Analytics & GeoAI	C3	ACRS26_ABS_O811603	Multimodal Fusion of SAR and SAR-Derived Optical Representations for Cloud-Resilient Built-up Area Segmentation
Advanced Image Analytics & GeoAI	C3	ACRS26_ABS_V709967	Glacier Facies Segmentation in Fully Polarized SAR Image – A Deep Learning Approach with Hybrid Loss Function
Advanced Image Analytics & GeoAI	C3	ACRS26_ABS_Y382792	SWINSHIFT CD: TRACKING TERRESTRIAL TRANSFORMATION WITH SHIFTED WINDOWS
Advanced Image Analytics & GeoAI	C4	ACRS26_ABS_B508178	GeoChangeNet: An AI-Based Framework for Robust Multi-Temporal Satellite Change Detection Using Spectral Normalization
Advanced Image Analytics & GeoAI	C4	ACRS26_ABS_V532946	Multi-Temporal Change Detection on the Martian Surface Using Multi-Sensor Orbital Datasets and Classical–Deep Learning Techniques
Advanced Image Analytics & GeoAI	C4	ACRS26_ABS_H610523	Confidence-Aware Sand Dune Movement Prediction Using Multi-Temporal Satellite Imagery
Advanced Image Analytics & GeoAI	C4	ACRS26_ABS_H787915	Forecasting Landscape Transformation in the Lower Himalayas Using CA-Markov and ANN Modeling



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

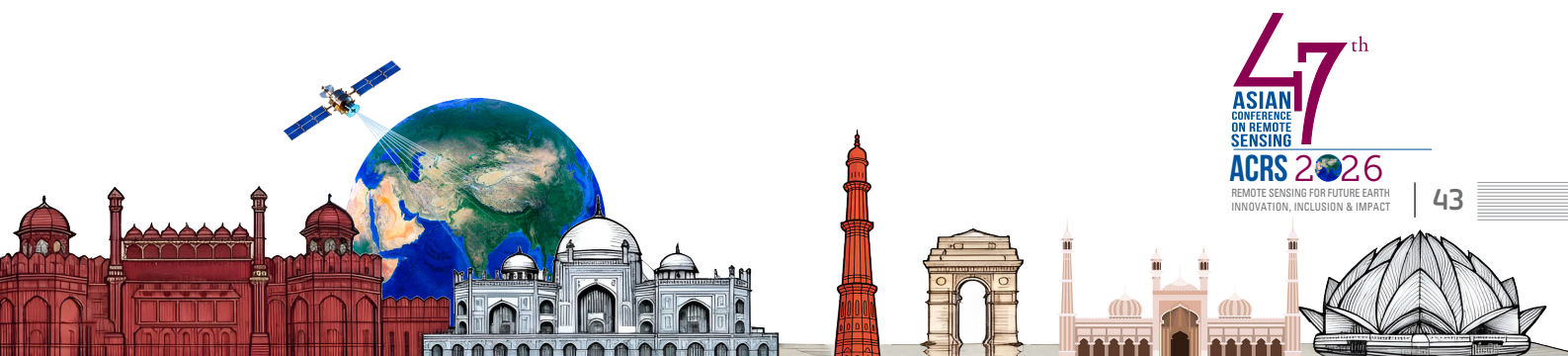
Theme	Session	Abstract ID	Title
Advanced Image Analytics & GeoAI	C4	ACRS26_ABS_J672608	Integrating GeoAI for Spatio-Temporal variations and vulnerability assessment: a Case Study in Barjalah beel wetland Morigaon district Assam
Advanced Image Analytics & GeoAI	C5	ACRS26_ABS_A508480	Assessment of Urban Land Cover Land Use Change dynamics in Hyderabad India (2017–2025) Using Satellite Foundation Model Embeddings
Advanced Image Analytics & GeoAI	C5	ACRS26_ABS_C694273	Evaluating AlphaEarth Foundation Model Embeddings for mangrove species distribution modelling using a species-specific presence-absence framework
Advanced Image Analytics & GeoAI	C5	ACRS26_ABS_L126693	BhuViveka: Leakage-Aware Adaptation of Prithvi-EO-2.0 to Indian Resourcesat Imagery for GLOF Risk Screening
Advanced Image Analytics & GeoAI	C5	ACRS26_ABS_I724026	Spatiotemporal Heatwave-Risk Prediction and Urban Thermal-Hotspot Mapping in Chennai Using Satellite Imagery Google Earth Engine and Explainable Artificial Intelligence
Advanced Image Analytics & GeoAI	C5	ACRS26_ABS_P584874	Do the SAR and Optical Encoders Agree? Explaining a Cross Sensor Foundation Model for Trustworthy Land Use / Land Cover Mapping
Advanced Image Analytics & GeoAI	C5	ACRS26_ABS_Y450893	Lens: Training-Free Semantic Search for Cross-Tile Object and Scene Retrieval in Satellite Imagery
Sensors, Platforms and Calibration Technologies	D3	ACRS26_ABS_R575598	When Does Hyperspectral Mapping of Informal Settlements Work? Spatial Resolution Direct-Transfer Failure and Spectral-Spatial Fusion in AVIRIS-NG under Weak Supervision
Sensors, Platforms and Calibration Technologies	D3	ACRS26_ABS_B596766	Ground-Based Hyperspectral Remote Sensing for Non-Destructive Estimation Biochemical Traits in Tomato (<i>Solanum lycopersicum</i> L.)
Sensors, Platforms and Calibration Technologies	D3	ACRS26_ABS_C115440	Quantifying Geometric Complexity in Photogrammetric Point Cloud: A PCA-Based Difficulty Score for Detecting Challenging Regions
Sensors, Platforms and Calibration Technologies	D3	ACRS26_ABS_G643121	A Hyperspectral Approach for Oil Spill Monitoring Using EMIT over Barmer Oil Field Rajasthan



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

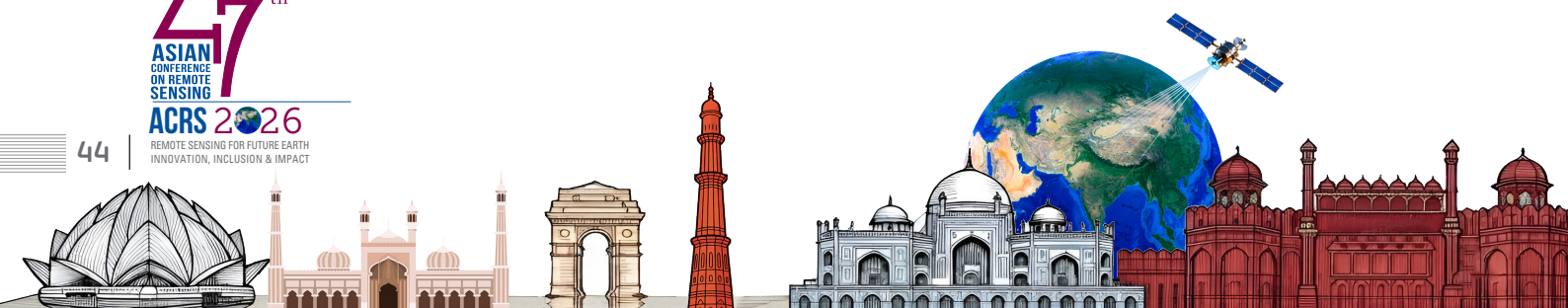
Theme	Session	Abstract ID	Title
Sensors, Platforms and Calibration Technologies	D4	ACRS26_ABS_Q221131	Distance-Image-based Scan Matching for 3D SLAM Using a Hemispherical LiDAR
Sensors, Platforms and Calibration Technologies	D4	ACRS26_ABS_G853817	Weather-Adaptive Reliability-Based Integration of LIO-SAM and Visual SLAM for Robust Self-Localization
Sensors, Platforms and Calibration Technologies	D4	ACRS26_ABS_R188754	Improving the Vertical Accuracy of Open-Access DEMs Using ICESat-2 ATL08 Data: A Case Study of Kullu District
Sensors, Platforms and Calibration Technologies	D4	ACRS26_ABS_W841541	An Insight into Grid vs Per-pixel Processing of Spaceborne Thermal Imagery Based on a Photogrammetric Collinearity Model
Sensors, Platforms and Calibration Technologies	D4	ACRS26_ABS_E441346	High-Resolution 3D Rut and Soil Deformation Measurement for a Lunar Rover Using Infrared Random-Pattern Projection
Sensors, Platforms and Calibration Technologies	D4	ACRS26_ABS_X103623	Evaluation of Hemispherical 3D LiDAR for Waterborne Mobile Mapping Systems
Sensors, Platforms and Calibration Technologies	D5	ACRS26_ABS_N602943	Texture-Invariant Mineral Mapping on the Moon: Advancing Machine Learning for Hyperspectral Spectroscopy
Sensors, Platforms and Calibration Technologies	D5	ACRS26_ABS_C979362	Spectral separability between oilseed crops based on absorption features- An insight from UAV hyperspectral analysis
Sensors, Platforms and Calibration Technologies	D5	ACRS26_ABS_A180764	Purpose-Specific Imaging Patterns for Cooperative UAV Observation
Sensors, Platforms and Calibration Technologies	D5	ACRS26_ABS_R661619	Behaviour of Hyperspectral Target Detection Algorithms for Multi-scale Bauxite Mapping: A Comparative Study Using EMIT PRISMA and UAV Data
Sensors, Platforms and Calibration Technologies	D5	ACRS26_ABS_D662863	Integrated Geomorphological Assessment of the 2024 Noto Peninsula Earthquake in Japan: Airborne LiDAR and Bathymetric Surveys
Sensors, Platforms and Calibration Technologies	D5	ACRS26_ABS_F750178	Registration of LiDAR Point Clouds for Detecting Tunnel Deformation



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

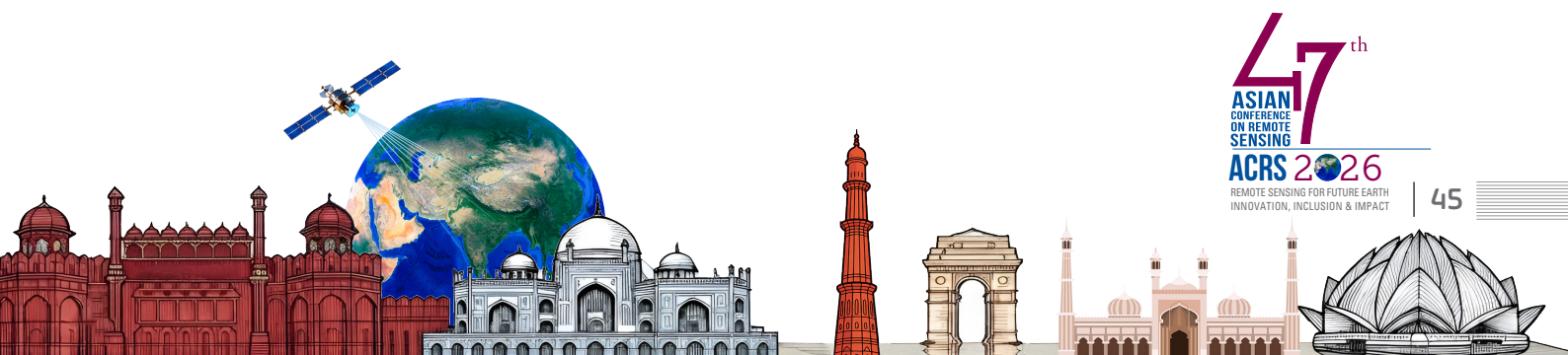
Theme	Session	Abstract ID	Title
Emerging Technologies	E2	ACRS26_ABS_A283434	Cloud-Optimized Scalable Geospatial Slicing and Conversion Framework for Large-Scale NISAR HDF Data Products
Emerging Technologies	E2	ACRS26_ABS_F922491	Spatio-Temporal Bias Correction and Validation in Multi-Sensor Data Cube Fusion for Drought Monitoring
Emerging Technologies	E2	ACRS26_ABS_I479029	Quantum-Inspired Optimization for Cloud-to-Edge Latency Benchmarking in Disaster-Response Satellite Data Pipelines
Emerging Technologies	E2	ACRS26_ABS_R105659	Design and Implementation of Hybrid Software Engine for Quantum Key Distribution and Cryptography
Emerging Technologies	E2	ACRS26_ABS_T132643	NSA-AT: Adversarial Sparse-Attention Transformer for Electro-Optical Payload Anomaly Detection
Emerging Technologies	E3	ACRS26_ABS_I162783	Automated Semantic Segmentation for Construction Monitoring
Emerging Technologies	E3	ACRS26_ABS_N154130	Emerging Technologies: Integration of EO IoT BIM and Socio-Economic Data
Emerging Technologies	E3	ACRS26_ABS_G677522	Automatic Extraction Of Structural Parameters Of Trees From 3d Point Cloud Dataset
Emerging Technologies	E3	ACRS26_ABS_XX02465	PS-InSAR Based Structural Deformation Monitoring of Heritage Structures Using TerraSAR-X Data for Gol Gumbaz and Lalitha Mahal Palace in India
Emerging Technologies	E3	ACRS26_ABS_N877619	Satellite-Derived Surface Condition Change Indices for Assessing Unpaved Road Rehabilitation Outcomes: A GIS and Random Forest Approach Using Sentinel-2 Imagery
Emerging Technologies	E4	ACRS26_ABS_M988557	An Earth Observation-Driven Framework for Multidimensional Urban Growth Analysis and Predictive Modeling
Emerging Technologies	E4	ACRS26_ABS_V552762	Predicting Apple Cultivation Suitability Using Maximum Entropy Modelling in Uttarkashi Uttarakhand
Emerging Technologies	E4	ACRS26_ABS_J116405	Early Integration of Optical-SAR Moisture Susceptibility into Environmental Road Corridor Planning Using a Cloud-Based Multi-Criteria Framework: A Case Study of the Juba-Jale National Road Corridor



TECHNICAL SESSIONS SCHEDULE

Day-2: 13th Oct, 2026

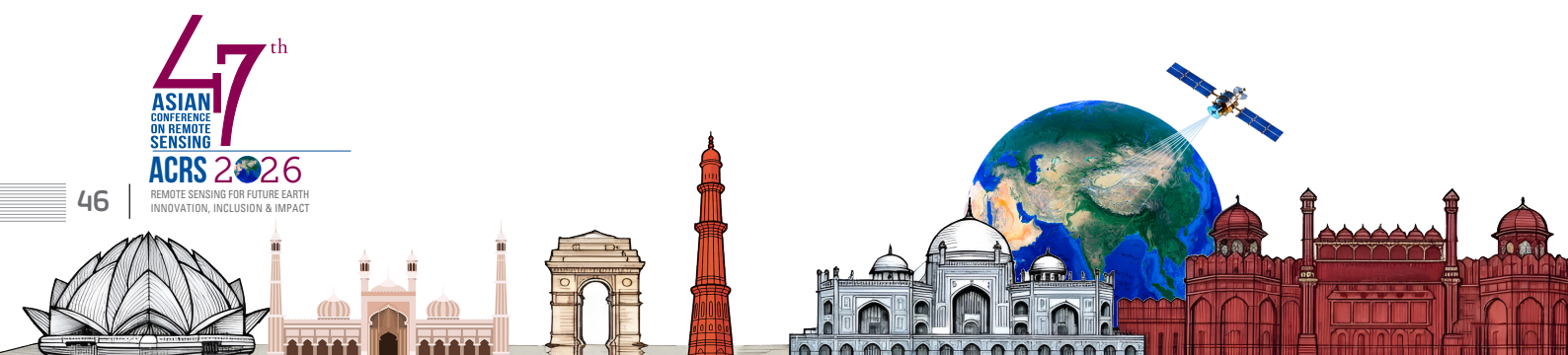
Theme	Session	Abstract ID	Title
Emerging Technologies	E4	ACRS26_ABS_U690315	Mitigating Operational Risks at the Sultan Azlan Shah Power Station: A Satellite-Based 72-Hour Early Warning System for Jellyfish Ingress
Emerging Technologies	E4	ACRS26_ABS_U793751	From Spatial Data to Geo-intelligence: The Convergence of Computer Science and GIScience in Scalable Geospatial Systems



TECHNICAL SESSIONS SCHEDULE

Day-3: 14th Oct, 2026

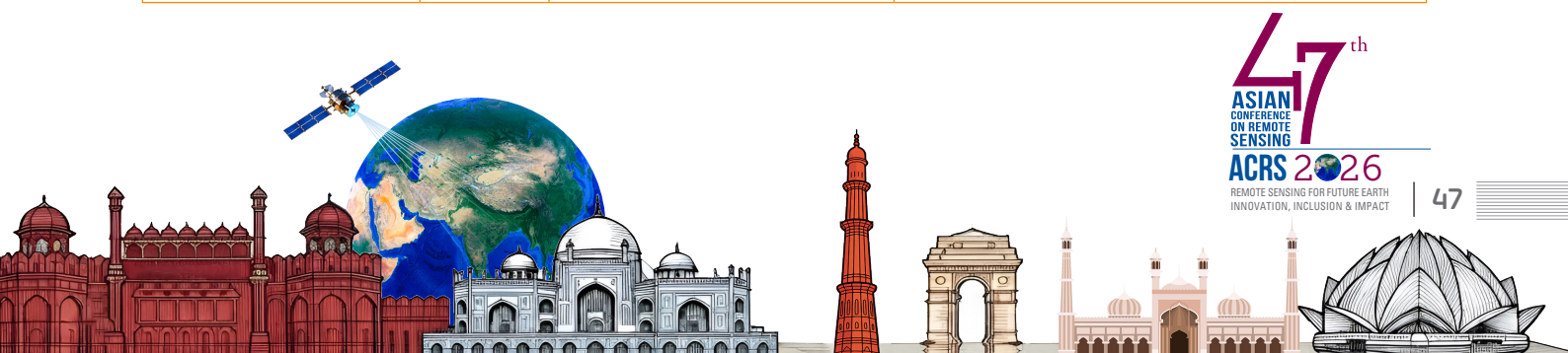
Theme	Session	Abstract ID	Title
Earth Observation For Sustainable Earth	A6	ACRS26_ABS_B511949	Real-Time Phenology Mapping for Rice using New Generation Earth Observation Data and Dynamic System Theory
Earth Observation For Sustainable Earth	A6	ACRS26_ABS_G755270	Assessment of crop phenology dynamics in cotton tur and jowar using time series vegetation index
Earth Observation For Sustainable Earth	A6	ACRS26_ABS_W752069	Calibrated Weak Supervision for Post-Harvest Burned-Cropland Mapping under Label Scarcity
Earth Observation For Sustainable Earth	A6	ACRS26_ABS_Y416756	A Google Earth Engine-Based Framework for Quantifying Pollution Dynamics over Rice Residue Burning Hotspots Using a Composite Pollution Index (2020â€“2025)
Earth Observation For Sustainable Earth	A6	ACRS26_ABS_N259949	Integrating Multi-Sensor Remote Sensing with Large Language Model Interpretation for Real-Time Agricultural Residue Burning Surveillance over Northern India
Earth Observation For Sustainable Earth	A6	ACRS26_ABS_L132879	Assessment of Kharif Soybean Crop Damage with Physical Feature Fraction and Leaf Area Index (LAI)
Earth Observation For Sustainable Earth	A7	ACRS26_ABS_E631670	MapBiomass Indonesia: Annual Wall-to-Wall Mapping of Forest Ecosystems in Indonesia (1990â€“2024) Using Multi-Generation Landsat Data and Cloud-Based Machine Learning.
Earth Observation For Sustainable Earth	A7	ACRS26_ABS_T226408	Integrating GEDI Spaceborne LiDAR and SAR Data for Regional-Scale Forest Canopy Height and Above Ground Biomass Estimation
Earth Observation For Sustainable Earth	A7	ACRS26_ABS_X325086	A Satellite Data based Hybrid Modelling Framework for Gap-filled Vegetation Gross Primary Productivity Estimation using Deep Learning
Earth Observation For Sustainable Earth	A7	ACRS26_ABS_B852810	Plot size matters: assessing precision-cost trade-offs in remote sensing-based forest inventories
Earth Observation For Sustainable Earth	A7	ACRS26_ABS_A758548	UAV LiDAR and Photogrammetry for Forest Structure Assessment and Treatment Planning in Semi-Dense Forest Tracts of South Gujarat India
Earth Observation For Sustainable Earth	A7	ACRS26_ABS_W671255	Impact Of Vegetation Change On Atmospheric CO2 Concentration Over Central Indian Region



TECHNICAL SESSIONS SCHEDULE

Day-3: 14th Oct, 2026

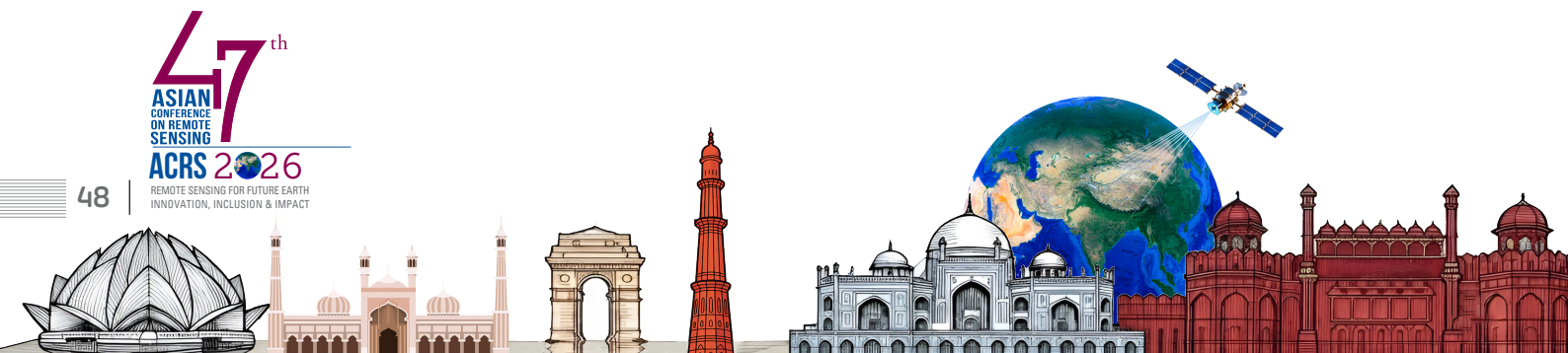
Theme	Session	Abstract ID	Title
Earth Observation For Sustainable Earth	A8	ACRS26_ABS_J662331	Environmental Controls of Fire Season Characteristics Across the Elevation Gradient in the Himalaya
Earth Observation For Sustainable Earth	A8	ACRS26_ABS_X720949	Decadal Spatiotemporal Analysis of Forest Fires in Uttarakhand: A Pathway to Assessing Forest Resilience (2015â€™2025)
Earth Observation For Sustainable Earth	A8	ACRS26_ABS_Y163995	Temporal Patterns and Risk Mapping of Forest Fires and Forest degradation in Maharashtra (2018-2023)
Earth Observation For Sustainable Earth	A8	ACRS26_ABS_G480650	Multi-frequency SAR Assessment of Scattering Dynamics in Burnt Forest and Agricultural Ecosystems
Earth Observation For Sustainable Earth	A8	ACRS26_ABS_S837762	From Widespread to a Localized Stronghold: A Review of 40-Year Population Decline Threats and Conservation of the Great Indian Bustard
Earth Observation For Sustainable Earth	A12	ACRS26_ABS_P519626	Multi Criteria-based Vulnerability Assessment of Mining induces Land Degradation in Aravalliâ€™s of India using Geospatial Approach
Earth Observation For Sustainable Earth	A12	ACRS26_ABS_A518904	Machine Learning-Based Soil Salinity Mapping Using Sentinel-2 Multispectral Imagery: A Case Study of Central Uttar Pradesh India
Earth Observation For Sustainable Earth	A12	ACRS26_ABS_P943682	Machine Learning based Digital Soil Mapping approach for Spatial Soil Quality Assessment in the Himalayan region
Earth Observation For Sustainable Earth	A12	ACRS26_ABS_S635276	Hyperspectral Assessment of Post-Fire Soil Carbon and Ecohydrological Properties Using Multivariate Analysis
Earth Observation For Sustainable Earth	A12	ACRS26_ABS_T758886	Calibration of a Low-Cost Capacitive Soil Moisture Sensor for Volumetric Water Content Estimation in Red and Black Soils
Earth Observation For Sustainable Earth	A12	ACRS26_ABS_D786678	Assessing the Impact of Biochar on Greenhouse Gas Emissions in Transplanted and Direct-Seeded Rice Systems
Earth System Dynamics & Disaster Risk Intelligence	B6	ACRS26_ABS_P391553	Rapid Intensification of Tropical Cyclones over the North Indian Ocean: A Satellite Perspective
Earth System Dynamics & Disaster Risk Intelligence	B6	ACRS26_ABS_P527892	Wind Hazard Zonation and Intensification Energetics of Recent Tropical Cyclones over the Indian Subcontinent



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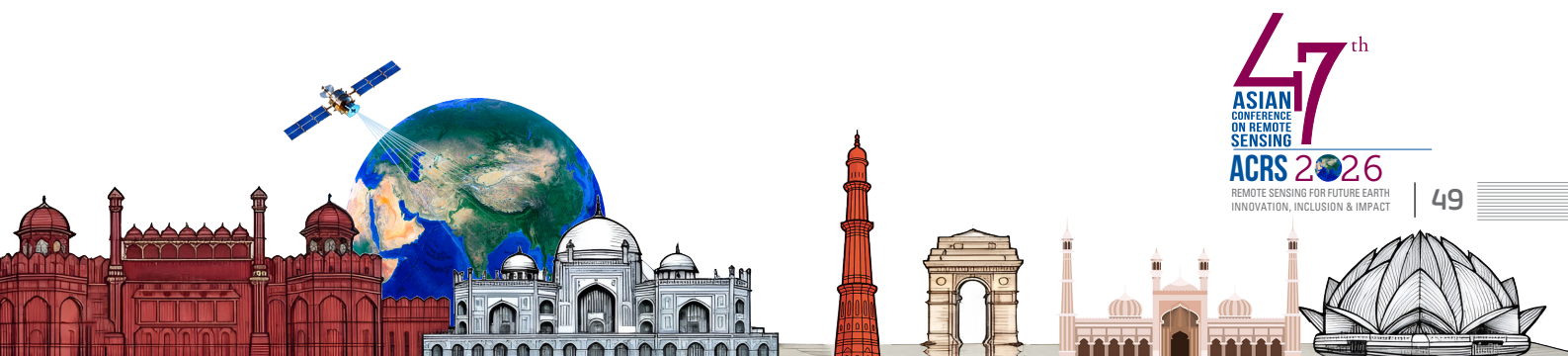
Theme	Session	Abstract ID	Title
Earth System Dynamics & Disaster Risk Intelligence	B6	ACRS26_ABS_N432031	Shoreline Change and Reef Morphodynamics of Van Island Gulf of Mannar India
Earth System Dynamics & Disaster Risk Intelligence	B6	ACRS26_ABS_F451926	Spectral Fingerprints of Cyanobacterial Blooms and Associated Phytoplankton Communities by Plankton Aerosol Cloud ocean Ecosystem (PACE) Hyperspectral Observations
Earth System Dynamics & Disaster Risk Intelligence	B6	ACRS26_ABS_S870701	SWOT-resolved submesoscale dynamics and chlorophyll enhancement in the Bay of Bengal
Earth System Dynamics & Disaster Risk Intelligence	B6	ACRS26_ABS_L297178	A Machine Learning and Symbolic Regression Approach to Correct WRF Rainfall
Earth System Dynamics & Disaster Risk Intelligence	B7	ACRS26_ABS_I637918	A Unified Multi-Mission SAR Processing Platform for Operational Flood Mapping Using Sentinel-1 EOS-04 and NISAR
Earth System Dynamics & Disaster Risk Intelligence	B7	ACRS26_ABS_M233023	Flood Inundation and Vulnerability Mapping in the Ravi River Basin Using Multi-Temporal SAR data
Earth System Dynamics & Disaster Risk Intelligence	B7	ACRS26_ABS_R391006	Rapid Flood Extent Mapping Using SAR"Optical Data Fusion in Google EarthEngine: A Multisource Cloud-Based Framework with Sentinel-1 and Sentinel-2
Earth System Dynamics & Disaster Risk Intelligence	B7	ACRS26_ABS_X212984	Beyond Class-Averaged Thresholds: Localized SAR Backscatter Anomalies for Flood Detection in Chennai's Heterogeneous Urban Landscape
Earth System Dynamics & Disaster Risk Intelligence	B7	ACRS26_ABS_T459500	Flood Inundation Mapping, Impact Assessment and Floodwater Depth Estimation of the July 2023 Delhi (Yamuna) Flood Using Sentinel-1 SAR on Google
Earth System Dynamics & Disaster Risk Intelligence	B7	ACRS26_ABS_T959709	A GIS-Based Hydrological Framework for Flood Assessment in the Damodar Valley Corporation Region: A Case Study of Durgapur
Earth System Dynamics & Disaster Risk Intelligence	B8	ACRS26_ABS_W668273	Spatiotemporal Assessment of Urban Flood Susceptibility for Resilience Planning: a Google Earth Engine approach in Varanasi India.
Earth System Dynamics & Disaster Risk Intelligence	B8	ACRS26_ABS_N802410	Multi-Temporal SAR-Validated Flood Susceptibility Mapping of Assam Using Hybrid AHP-MCDM and RF"XGBoost Ensemble



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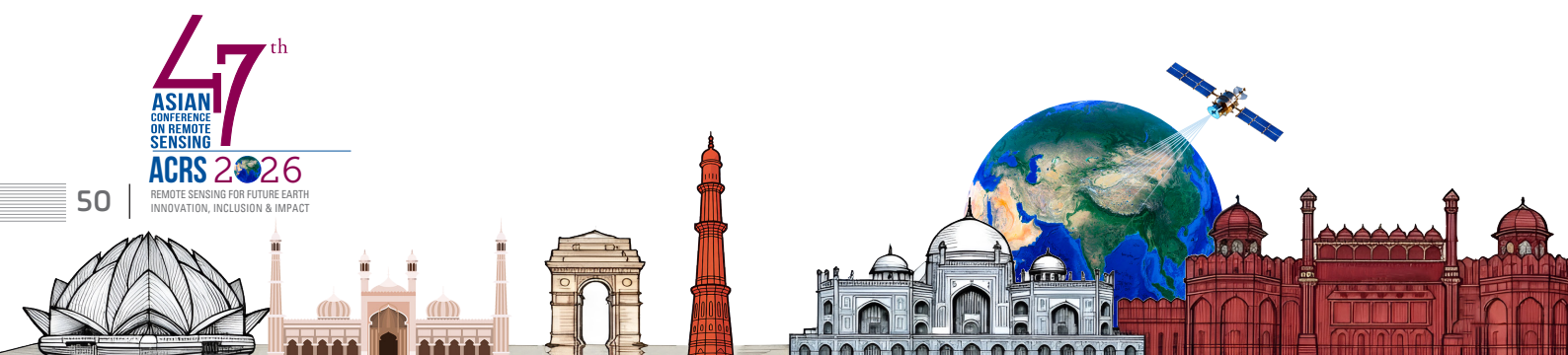
Theme	Session	Abstract ID	Title
Earth System Dynamics & Disaster Risk Intelligence	B8	ACRS26_ABS_T874935	Flood Susceptibility Mapping via AHP-Weighted Overlay in GEE: SAR-Validated Framework for Kuala Lumpur
Earth System Dynamics & Disaster Risk Intelligence	B8	ACRS26_ABS_C828125	Rice Mapping and Flood Impact Assessment in Punjab (India) using Sentinel-1 and Sentinel-2 Time Series Data
Earth System Dynamics & Disaster Risk Intelligence	B8	ACRS26_ABS_U441640	GIS-Based Impact Assessment of Potential Multisectoral Flood Losses in Luwu Regency Indonesia
Earth System Dynamics & Disaster Risk Intelligence	B8	ACRS26_ABS_L325069	GeoAI-based Urban Flood Decision Support System (GeoAI UF-DSS) for city disaster management- case study of Chennai metropolitan region
Advanced Image Analytics & GeoAI	C6	ACRS26_ABS_H410671	Taking GeoAI to micrometer scale: Applications for Thin-section analysis
Advanced Image Analytics & GeoAI	C6	ACRS26_ABS_Q945200	Krishnomics-AI: An Agentic GeoAI Framework for Smart Crop Procurement Agricultural Intelligence and Farmer-Centric Decision Support in Haryana India
Advanced Image Analytics & GeoAI	C6	ACRS26_ABS_T417222	A Scalable Distributed DL Framework for Large Area Mapping of Horticulture Plantations
Advanced Image Analytics & GeoAI	C6	ACRS26_ABS_T542974	Operational Framework for an AI-driven Marine Environmental Management System Using Multi-Satellite Imagery
Advanced Image Analytics & GeoAI	C6	ACRS26_ABS_U232785	AI-Driven Dual-Model Framework for Remote Sensing-Based Black Spot Detection and Severity Prediction on National Highways
Advanced Image Analytics & GeoAI	C6	ACRS26_ABS_U888807	Urban Mapping and Spatial Analytics Using Multi-Source Earth Observation Data: An Integrated Framework for GeoAI-Powered Urban Intelligence
Advanced Image Analytics & GeoAI	C7	ACRS26_ABS_V265210	An Integrated SegFormer-SAM Geospatial Workflow for Automated Building Footprint Extraction and GIS-Ready Vectorization from UAV and Aerial GeoTIFF Imagery
Advanced Image Analytics & GeoAI	C7	ACRS26_ABS_D677338	An Incrementally Trainable Multi-Class Segmentation and Vectorization Pipeline for Land-Cover and Infrastructure Extraction from High-Resolution Satellite Imagery



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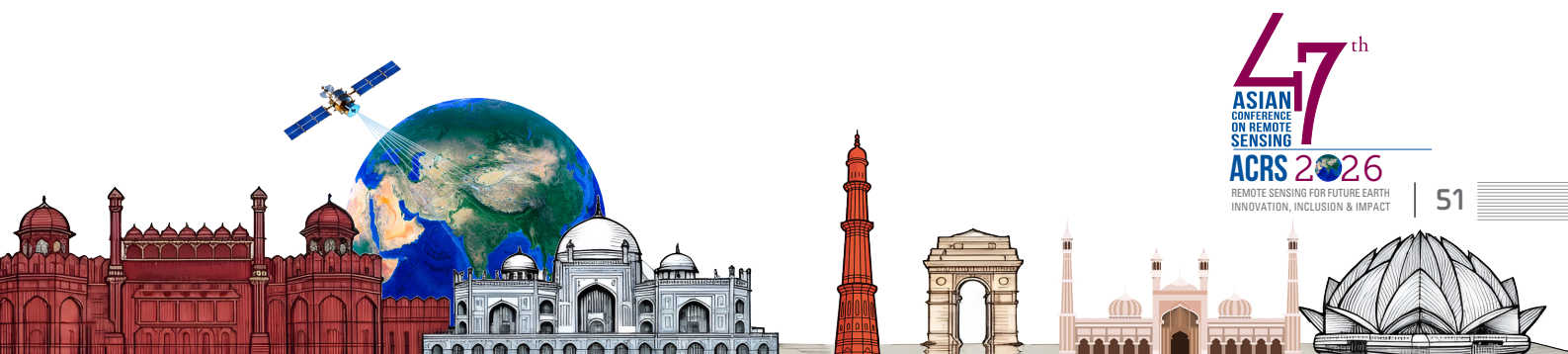
Theme	Session	Abstract ID	Title
Advanced Image Analytics & GeoAI	C7	ACRS26_ABS_I108816	GeoRectNet: A Three-Stage Weakly Semi-Supervised Framework for Boundary-Preserving Building Region-Of-Interest Extraction
Advanced Image Analytics & GeoAI	C7	ACRS26_ABS_D532853	Deep Learning-Based Building Segmentation Across Multi-Resolution Satellite Imagery: Impact of Label Datasets
Advanced Image Analytics & GeoAI	C7	ACRS26_ABS_J308782	Improving Recall of Small Oriented Objects with Space-to-Depth Topology and Multi-Scale Attention
Advanced Image Analytics & GeoAI	C8	ACRS26_ABS_M932971	Geospatial Anomaly Localization on UAV-Derived 3D Bridge Models for Structural Health Monitoring
Advanced Image Analytics & GeoAI	C8	ACRS26_ABS_Y475251	Quantifying Geometric Complexity in Photogrammetric Point Cloud: A PCA-Based Difficulty Score for Detecting Challenging Regions
Advanced Image Analytics & GeoAI	C8	ACRS26_ABS_V942214	Impact of Dataset Quality on PointNet++ for Object Segmentation in Aerial LiDAR Point Clouds
Advanced Image Analytics & GeoAI	C8	ACRS26_ABS_X209965	A YOLOv8 Framework for Urban Infrastructure Anomaly Detection Using UAV-Acquired RGB Imagery
Advanced Image Analytics & GeoAI	C8	ACRS26_ABS_E486145	Road Marking Detection and Vectorization from MLS Intensity Imagery Using YOLO-OBb for HD Map Production
Advanced Image Analytics & GeoAI	C8	ACRS26_ABS_D580632	Semantic Infrastructure Verification (SIV): A Context-Aware Framework for AI-Assisted Road Validation Using Multi-Resolution Remote Sensing
Sensors, Platforms and Calibration Technologies	D6	ACRS26_ABS_M692208	Influence of topography and land cover on kernel-driven BRDF modeling using integrated GEO and LEO observations
Sensors, Platforms and Calibration Technologies	D6	ACRS26_ABS_M568424	Design Characterization Calibration and Environmental Qualification of TAPAS-1: A Compact 3U-Class LWIR Thermal Imaging Payload for Earth Observation Applications
Sensors, Platforms and Calibration Technologies	D6	ACRS26_ABS_V872293	Boresight calibration of Airborne cameras for Direct georeferencing of images



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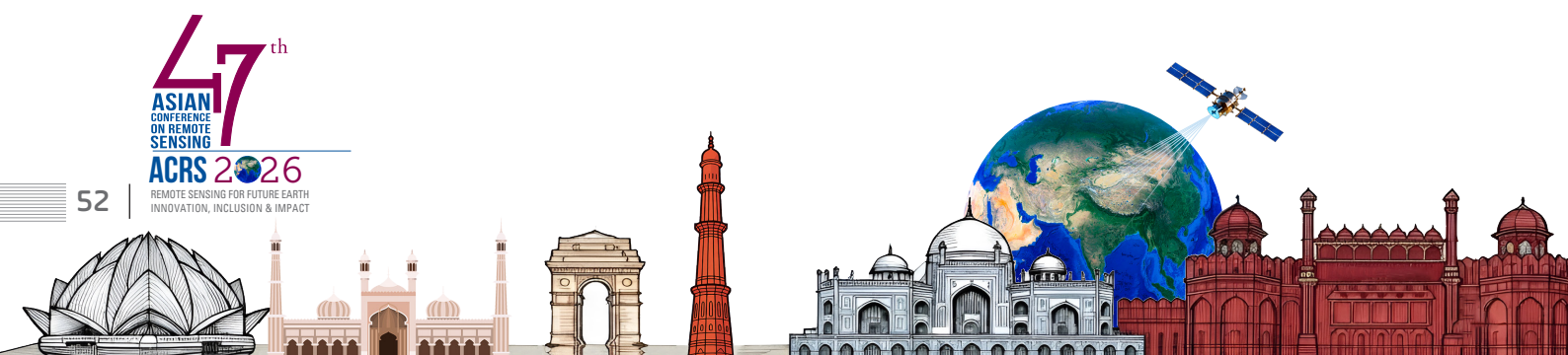
Theme	Session	Abstract ID	Title
Sensors, Platforms and Calibration Technologies	D6	ACRS26_ABS_Y318639	Physics-Based Cross-Calibration of INSAT-3DS Imager Thermal Radiance with Landsat 9 TIRS-2 Bands Over Indian Terrain
Sensors, Platforms and Calibration Technologies	D6	ACRS26_ABS_J551836	An Automated Framework for Sub-Pixel Geometric Harmonization of a Three-Decade Multi-Mission LISS-3 Archive
Sensors, Platforms and Calibration Technologies	D6	ACRS26_ABS_U551436	Temporal Radiometric Characterization of EOS-04 C-band SAR ARD Products over Homogeneous and Diverse Land-Cover Targets
Agentic AI & Intelligent Geospatial Systems	F1	ACRS26_ABS_C381707	Agentic GeoAI: An Evidence-Grounded Multi-Agent Framework Integrating Geospatial Foundation Models GIS Intelligence and Retrieval-Augmented Reasoning for Natural Language Urban Analytics
Agentic AI & Intelligent Geospatial Systems	F1	ACRS26_ABS_B852707	Multi Agent Architecture for scalable HD maps creation and maintenance
Agentic AI & Intelligent Geospatial Systems	F1	ACRS26_ABS_W819624	Agentic Conversational AI for Earth Observation: Autonomous Soil Moisture Analysis Across India.
Agentic AI & Intelligent Geospatial Systems	F1	ACRS26_ABS_Q978834	An Agentic AI Framework for Autonomous GCI Monitoring: MCP-Orchestrated Multi-Agent Workflows for Highway Vegetation Analysis
Agentic AI & Intelligent Geospatial Systems	F2	ACRS26_ABS_V450838	Predictive "What-If" Simulation Modelling of Port Logistics Utilising Satellite-Derived Spatiotemporal parameters
Agentic AI & Intelligent Geospatial Systems	F2	ACRS26_ABS_X180194	Visual SLAM with Integrated Spatial and Temporal Multi-Baselines Using a Triplet Camera
Agentic AI & Intelligent Geospatial Systems	F2	ACRS26_ABS_P458343	Multi-Objective Transmission Line Routing Using Risk-Aware Ant Colony Optimization
Agentic AI & Intelligent Geospatial Systems	F2	ACRS26_ABS_L217791	BhuvanSamvad: A Hybrid Retrieval-Augmented Generation Framework for Geospatial Knowledge Access
Geospatial Services for Societal Impacts	G1	ACRS26_ABS_W808740	Urban Expansion Trajectories in Satellite Towns around Jaipur City: A Spatio-Temporal Assessment Using Remote Sensing and GIS
Geospatial Services for Societal Impacts	G1	ACRS26_ABS_D981157	Earth Observation for Sustainable Land Cover Transformations in Palm dominated landscapes: Case studies from three Asian Countries



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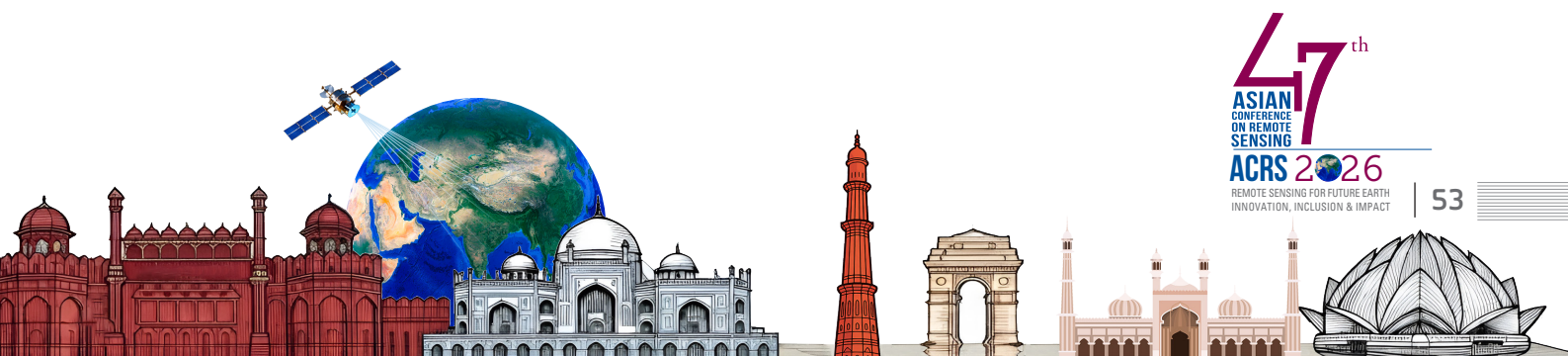
Theme	Session	Abstract ID	Title
Geospatial Services for Societal Impacts	G1	ACRS26_ABS_G520723	Decadal LCLU Change for Monitoring Selected Blue Flag Beaches on India's East and West Coasts
Geospatial Services for Societal Impacts	G1	ACRS26_ABS_W520100	Urban Development Pressure and Land Suitability Assessment in Colombo Using Night-Time Light Data and LUCIS
Geospatial Services for Societal Impacts	G1	ACRS26_ABS_H573842	Monitoring Rooftop Solar Adoption under PM Surya Ghar Yojana in Ahmedabad city Using Very High-Resolution Satellite Data.
Geospatial Services for Societal Impacts	G1	ACRS26_ABS_S576480	A GIS-based framework for assessing accessibility to social infrastructure: A 15-minute city perspective
Geospatial Services for Societal Impacts	G2	ACRS26_ABS_X308570	Analysis of Individual Street Light Observability in SDGSAT-1 Nighttime Satellite Data over Highway Corridors
Geospatial Services for Societal Impacts	G2	ACRS26_ABS_S538385	A Multi-Dimensional Remote Sensing Framework for Environmental Management: Integrating Urbanization Tourism Vulnerability and Spatial Dynamics
Geospatial Services for Societal Impacts	G2	ACRS26_ABS_N226932	EO-Driven Geospatial Services for Climate-Resilient Urban Governance: LCZ-Based Heat Mitigation in Hyderabad India
Geospatial Services for Societal Impacts	G2	ACRS26_ABS_L972326	Spatial Distribution and Temporal Trends of CO and SO ₂ over Indian Industrial Hotspots (2019–2023): Disruption and Recovery in the Energy-Steel Supply
Geospatial Services for Societal Impacts	G2	ACRS26_ABS_T226898	Season-Dependent Thermal Inversions and Radiative Forcing Associated with Utility-Scale Photovoltaic Infrastructure in Western Rajasthan
Geospatial Services for Societal Impacts	G2	ACRS26_ABS_J779599	Testaments Of Urban Rain Island Over A Tropical Megacity As Evident From Three Decades™ Summer Rainfall Data



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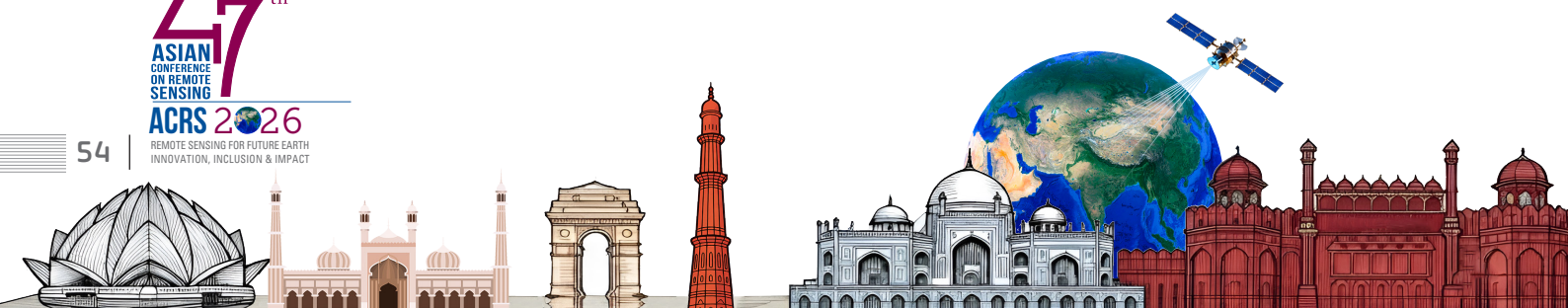
Theme	Session	Abstract_ID	Title
Earth Observation For Sustainable Earth	A9	ACRS26_ABS_L498886	Co-production of knowledge on resilience of high-altitude Himalayan forests using earth observation datasets and traditional practices
Earth Observation For Sustainable Earth	A9	ACRS26_ABS_F487387	Decoding Plant Invasion: From Soil Biophysiochemistry to GeoAI-Driven Canopy Spectral Signature
Earth Observation For Sustainable Earth	A9	ACRS26_ABS_Q913722	Forest Disturbance Analysis Using NISAR Data Supported By Advanced Deep Learning Models
Earth Observation For Sustainable Earth	A9	ACRS26_ABS_K546086	Selective Logging Detection in the Western Ghats Using Sentinel-1 SAR Sentinel-2 Optical Data and a Spatio-Temporal Deep Learning Framework
Earth Observation For Sustainable Earth	A9	ACRS26_ABS_C724492	Spatio-Temporal Assessment of Landscape Fragmentation and Its Impact on Ecosystem Services: A Case Study of Deepor Beel India
Earth Observation For Sustainable Earth	A9	ACRS26_ABS_A777446	Assessment of Uprooted Forest Extent in Tadvai Reserve Forest Due to Extreme Weather Event Using UAV Data Sets
Earth Observation For Sustainable Earth	A10	ACRS26_ABS_X594427	Tidal Hydroperiod as the Dominant Driver of Mangrove Phenology: A Comparative Study Across Macro- and Meso-Tidal Coastal India
Earth Observation For Sustainable Earth	A10	ACRS26_ABS_J730277	Geospatial modelling of mangrove plant disease infestation
Earth Observation For Sustainable Earth	A10	ACRS26_ABS_O345874	Mapping The Species Diversity Of Mangroves Along The Dynamic Shoreline Of The Krishna Delta
Earth Observation For Sustainable Earth	A10	ACRS26_ABS_P302326	Machine Learning-Driven Blue Carbon Stock Assessment in Mangrove Ecosystems Using Multi-Sensor Remote Sensing: Insights from Pichavaram South Eastern India.
Earth Observation For Sustainable Earth	A10	ACRS26_ABS_T142567	Assessing the Blue Carbon Ecosystem for Coastal Resilience Using Geospatial Techniques: A Case Study of Chargheri Village Indian Sundarbans
Earth Observation For Sustainable Earth	A10	ACRS26_ABS_T824015	Detection And Monitoring Of Saline Blanks In The Sundarban Biosphere Reserve Using Multi-Decadal Landsat Data



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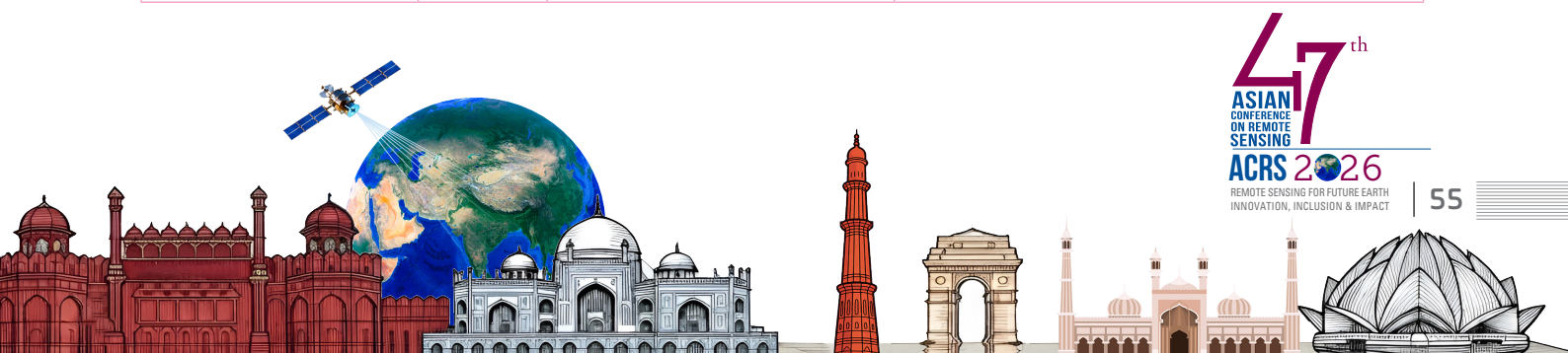
Theme	Session	Abstract_ID	Title
Earth Observation For Sustainable Earth	A11	ACRS26_ABS_R473630	Phenology-Based Deep Learning Framework for Forest Health Assessment and Restoration Site Identification Using Multi-Temporal Sentinel-2 Data: A Case Study of
Earth Observation For Sustainable Earth	A11	ACRS26_ABS_C850215	Spatio-Temporal Analysis of Climate Variability and Vegetation and Land Use Dynamics(2015-2021) using LISS IV Satellite imagery and AI/ML Driven Change
Earth Observation For Sustainable Earth	A11	ACRS26_ABS_M648257	Seasonal Vegetation Dynamics and Monsoon Greening in the Singrauli Coal-Mining Region India Using Landsat and Google Earth Engine (2014-2025)
Earth Observation For Sustainable Earth	A11	ACRS26_ABS_Q946944	Multi-Temporal Classification of Siamese Rosewood Using Random Forest and Sentinel-2 Imagery in Trat Province Thailand
Earth Observation For Sustainable Earth	A11	ACRS26_ABS_K479902	Spatial Patterns and Anthropogenic Disturbance of Rhododendron arboreum in the Western Himalaya: A GIS-Based Framework
Earth Observation For Sustainable Earth	A13	ACRS26_ABS_I562167	PRISMA data analysis for detecting serpentinised ultramafic rocks and intra-rock alteration zones ; as input for exploring resource rock for cosmetic industry and also possible source of Natural Hydrogen
Earth Observation For Sustainable Earth	A13	ACRS26_ABS_Q328229	Spaceborne Spectral and Thermal Datasets for REE Mapping Using Machine Learning Techniques: A Case Study on Siwana RingComplex Rajasthan India
Earth Observation For Sustainable Earth	A13	ACRS26_ABS_J914196	Scalable [MS1.1]InSAR Monitoring for Open-cast Coal Mines
Earth Observation For Sustainable Earth	A13	ACRS26_ABS_E434537	Delineation of Rare Earth Element (REE) potential in the Son River Basin India using PRISMA spaceborne hyperspectral data
Earth Observation For Sustainable Earth	A13	ACRS26_ABS_S554694	EMIT Hyperspectral Detection of Ferric Alteration Associated with Hydrocarbon Microseepage in the Cambay-Tarapur Block Gujarat India
Earth Observation For Sustainable Earth	A15	ACRS26_ABS_P592080	The Nitrate Paradox: Fertiliser-Driven Groundwater Decoupling Across Haryana's Stressed Aquifers (2010-2023)



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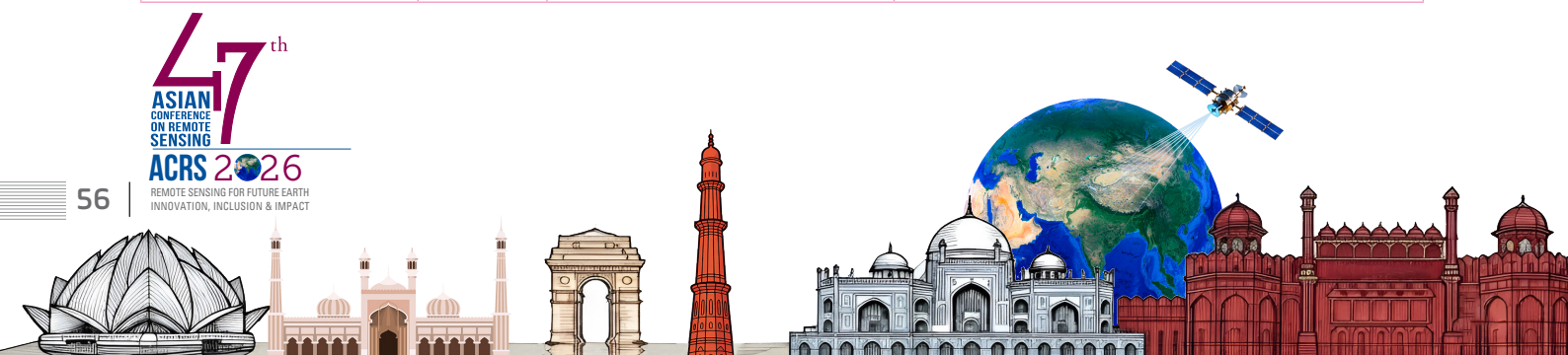
Theme	Session	Abstract_ID	Title
Earth Observation For Sustainable Earth	A15	ACRS26_ABS_M174339	Groundwater Potential Zone Mapping Using GIS and Remote Sensing: A Case of Corbett Tiger Reserve Uttarakhand India
Earth Observation For Sustainable Earth	A15	ACRS26_ABS_Y633603	Assessment of Present and Future Groundwater Vulnerability Using DRASTIC and SINTACS Models Integrated with Land Use/Land Cover Dynamics in the
Earth Observation For Sustainable Earth	A15	ACRS26_ABS_M461818	Groundwater Potential Zone Mapping of Purulia District Using Remote Sensing GIS and Multi-Criteria Decision Analysis
Earth Observation For Sustainable Earth	A15	ACRS26_ABS_V973180	Spatio-Temporal Assessment of Surface Water Extent and Groundwater Storage Dynamics in Telangana
Earth Observation For Sustainable Earth	A16	ACRS26_ABS_J531719	A Remote Sensing-Based Framework for Spatio-Temporal Assessment of Agricultural Water Sustainability: A Case Study of Ghana
Earth Observation For Sustainable Earth	A16	ACRS26_ABS_U587289	Assessing Future Water Demand for Agriculture under Climate Change example from Sub-Sahara Africa
Earth Observation For Sustainable Earth	A16	ACRS26_ABS_D401813	Soil and Water Conservation in Tea Lands of Hulu Ganga Sub-basin Mahaweli River Basin of Sri Lanka: A GIS Based
Earth Observation For Sustainable Earth	A16	ACRS26_ABS_W667463	An Action Plan For The Rejuvenation Of Water Bodies In The Hamirpur District Of The Bundelkhand Region Uttar Pradesh India Using Space Technology
Earth Observation For Sustainable Earth	A16	ACRS26_ABS_X389237	Water Accounting Framework for Assessing Scale-invariant Water Resources
Earth Observation For Sustainable Earth	A16	ACRS26_ABS_Q940275	Decoding Global Transpiration Controls Using Physically Constrained Remote Sensing and Explainable AI
Earth System Dynamics & Disaster Risk Intelligence	B9		SACTES: A Simplified Atmospheric Correction Temperature - Emissivity Separation Framework for Land Surface Temperature Retrieval from Thermal Observations of Planned Indo-French Mission TRISHNA
Earth System Dynamics & Disaster Risk Intelligence	B9	ACRS26_ABS_C486650	Assessing the hydrological impacts of forest fire using event-based pre- and post-fire LULC and SWAT modelling in Upper Sutlej basin



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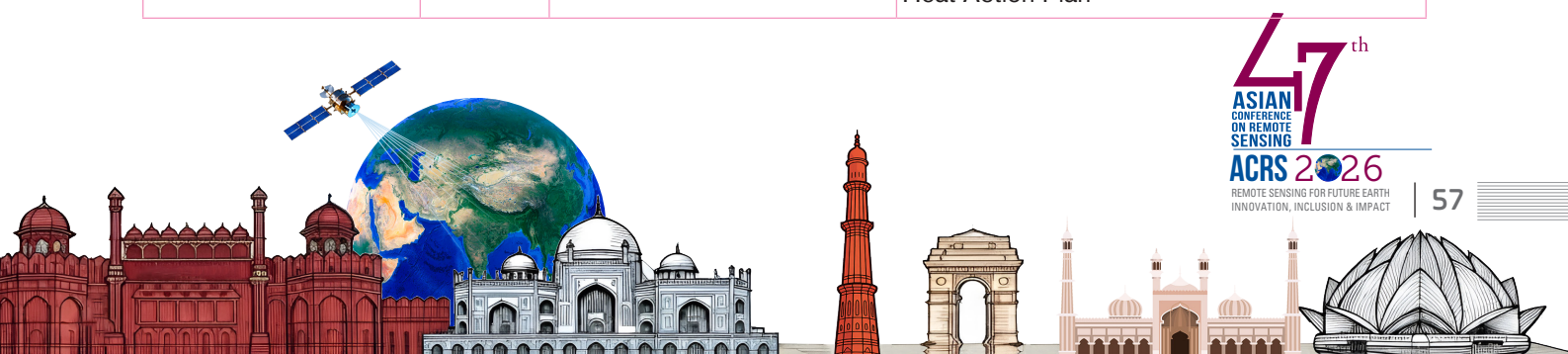
Theme	Session	Abstract_ID	Title
Earth System Dynamics & Disaster Risk Intelligence	B9	ACRS26_ABS_I109575	Forecasting Fire from Space: A Deep Learning approach for Wildfire Prediction from Multi-Spectral Remote Sensing Data
Earth System Dynamics & Disaster Risk Intelligence	B9	ACRS26_ABS_V142730	Integration Remote Sensing Causal Analysis Machine Learning and CMIP6 Climate Projections for Spatio-Temporal Assessment of Ecological Drought in Rajasthan India.
Earth System Dynamics & Disaster Risk Intelligence	B9	ACRS26_ABS_Q719556	RT-FIRE: A Real-Time VIIRS Active Fire Product Generation and Visualization Framework for Operational Disaster Management
Earth System Dynamics & Disaster Risk Intelligence	B9	ACRS26_ABS_X624786	High Temperature Surface Coal Fire Detection using Deep Learning Techniques in Jharia Coalfield India
Earth System Dynamics & Disaster Risk Intelligence	B9	ACRS26_ABS_V539564	Pre-Ignition Wildfire Forecasting In The Uttarakhand Himalaya Using Multi-Source Earth Observation Machine Learning And Attention-Based Deep Learning
Earth System Dynamics & Disaster Risk Intelligence	B10	ACRS26_ABS_I181754	Remote Sensing and GIS-Based Multiple Hazard Risk Mapping Through the Integration of Physical Hazard Susceptibility and Social Vulnerability Indicators
Earth System Dynamics & Disaster Risk Intelligence	B10	ACRS26_ABS_V373247	AI-powered Digital Public Infrastructure for Multi-Hazard Disaster Risk Intelligence and Operational Decision Support
Earth System Dynamics & Disaster Risk Intelligence	B10	ACRS26_ABS_J186473	High-Resolution Air Temperature Mapping over the Delhi Urban Agglomeration Using U-Net-Based Downscaling of ERA5-Land Data
Earth System Dynamics & Disaster Risk Intelligence	B10	ACRS26_ABS_J631583	Crop-specific Agricultural Drought Indicator: A phenology-based approach derived from SAR-Optical data integration
Earth System Dynamics & Disaster Risk Intelligence	B10	ACRS26_ABS_M930246	Performance evaluation of SMAP Level 4 satellite derived root-zone soil moisture product for monitoring agricultural drought using GEE
Earth System Dynamics & Disaster Risk Intelligence	B10	ACRS26_ABS_X444643	Spatial and Temporal Analysis of Desert Locust Disaster Threat for Emergency Response in Kenya
Advanced Image Analytics & GeoAI	C9	ACRS26_ABS_C217158	Bio-inspired Tuning vs. Temporal Attention: Five-Model Crop-Type Classification from Multi-Sensor Satellite Time Series



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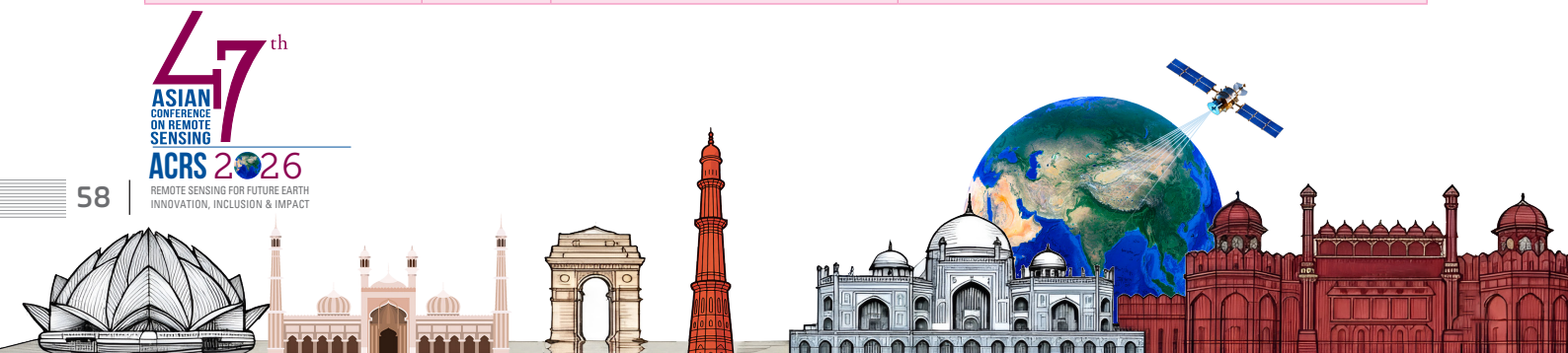
Theme	Session	Abstract_ID	Title
Advanced Image Analytics & GeoAI	C9	ACRS26_ABS_K278308	Transformer vs Machine Learning for High-Resolution Crop Classification Using UAV Imagery in Heterogeneous Agro-Horticultural Systems
Advanced Image Analytics & GeoAI	C9	ACRS26_ABS_X178611	Vegetation Segmentation from Satellite Imagery: A Comparative Study of Spectral Index-Based and Knowledge-Guided Deep Learning Approaches
Advanced Image Analytics & GeoAI	C9	ACRS26_ABS_V141735	A Mobile App Based Deep Learning Framework for Tomato Crop Growth Monitoring and Yield Estimation in Polyhouse Environment
Advanced Image Analytics & GeoAI	C9	ACRS26_ABS_XX02464	A Deep Learning Framework For Automated Farm Boundary Delineation Using Planet Superdove Imagery
Advanced Image Analytics & GeoAI	C10	ACRS26_ABS_G351518	Temporal Frame Interpolation of Geostationary Satellite Imagery: A Comparative Study of Statistical & Deep-Learning Based Optical Flow for Severe Weather Events
Advanced Image Analytics & GeoAI	C10	ACRS26_ABS_T369586	An Automated Image to Geospatial Framework for Identifying Seasonal Wave Energy Resource Zones from Satellite Derived Climatological Maps
Advanced Image Analytics & GeoAI	C10	ACRS26_ABS_O904415	Machine Learning based Assessment and Prediction of Land Surface Temperature in Central Punjab India
Advanced Image Analytics & GeoAI	C10	ACRS26_ABS_E925634	Atmospheric Downscaling via Multi-variable XGBoost: Enhancing the Spatial Resolution of Urban Humidity-Heat Risk Metrics
Advanced Image Analytics & GeoAI	C10	ACRS26_ABS_F615751	Intra-Urban Thermal Dynamics assessment for Indian Megacities Using GeoAI-Driven Built-Up Extraction
Advanced Image Analytics & GeoAI	C10	ACRS26_ABS_A498915	Development of a Machine Learning-Based Cloud Detection Algorithm for INSAT-3DS Sounder
Geospatial Services for Societal Impacts	G3	ACRS26_ABS_Q232197	Assessment of Global and Multitemporal SGLI Albedo Products in Comparison with MODIS Products
Geospatial Services for Societal Impacts	G3	ACRS26_ABS_C807349	Nowcasting Air Temperature from Land Surface Temperature using Deep Learning Techniques for Hotspot Mapping: An Operational Portal for Heat Action Plan



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Day-4: 15th Oct, 2026

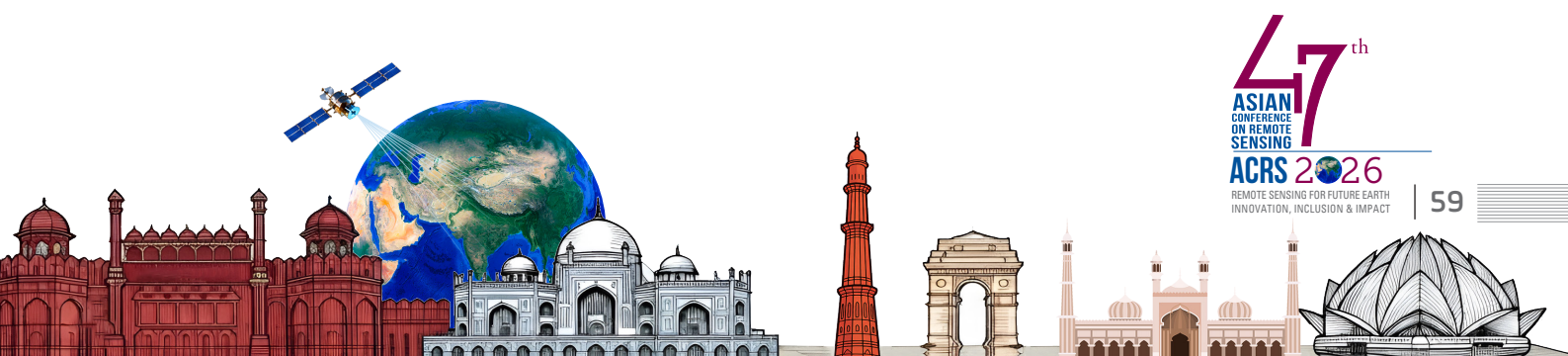
Theme	Session	Abstract_ID	Title
Geospatial Services for Societal Impacts	G3	ACRS26_ABS_X774238	Development of a Web GIS-Based Framework for Optimizing Cadastral Data Processing Quality Assurance and Spatial Database Integration
Geospatial Services for Societal Impacts	G3	ACRS26_ABS_D398193	Realizing Indian Space Policy 2023 through Bhoonidhi: Democratizing Access to Indian Earth Observation Data
Geospatial Services for Societal Impacts	G3	ACRS26_ABS_E332615	Harmonization of Geospatial Metadata Architecture in India: Aligning ISO 19115 IS 16439:2025 and IS 18565 Data Quality Frameworks
Geospatial Services for Societal Impacts	G3	ACRS26_ABS_F874918	Policy Reforms as a Catalyst for Geospatial Capacity Building: Evidence from India's Emerging Space Startup Ecosystem
Geospatial Services for Societal Impacts	G4	ACRS26_ABS_S887643	An AI-Powered Digital Public Infrastructure for Agriculture: Satellite Intelligence at Scale
Geospatial Services for Societal Impacts	G4	ACRS26_ABS_G354334	AI-Driven Digital Public Infrastructure: Advancing Intelligent Water Security for All
Geospatial Services for Societal Impacts	G4	ACRS26_ABS_K365095	Bridging the Gaps: A Structured Review of India's Earth Observation Sector Covering Data Capability and Ecosystem
Geospatial Services for Societal Impacts	G4	ACRS26_ABS_O380231	Innovative Applications of Remote Sensing for Future Earth: Advancing Transportation and Infrastructure
Geospatial Services for Societal Impacts	G4	ACRS26_ABS_G124175	Towards Operational Coastal Water Quality Monitoring in India using Multispectral and Hyperspectral Earth Observation Data
Geospatial Services for Societal Impacts	G5	ACRS26_ABS_R877702	Earth Observation-Based Assessment of Municipal Congestion Susceptibility Using Landscape Metrics and Road Network Intelligence Indices
Geospatial Services for Societal Impacts	G5	ACRS26_ABS_O864115	Urban Dynamics: integrated with Land Surface Temperature Built-up Intensity across wards and ANN-MOLUSCE in Kolkata Municipal Corporation: A Geospatial Approach
Geospatial Services for Societal Impacts	G5	ACRS26_ABS_Q227102	Mapping Urban Ecological Exposure Along Mobility Corridors in Jakarta Using Multi-Sensor Remote Sensing and Open Transit Data
Geospatial Services for Societal Impacts	G5	ACRS26_ABS_E151863	Tribal Area Multi-Criteria Spatial Analysis: Identification of Priority Villages for Sustainable Development in Saranda Forest Region West Singhbhum District Jharkhand



TECHNICAL SESSIONS SCHEDULE

Day-4: 15th Oct, 2026

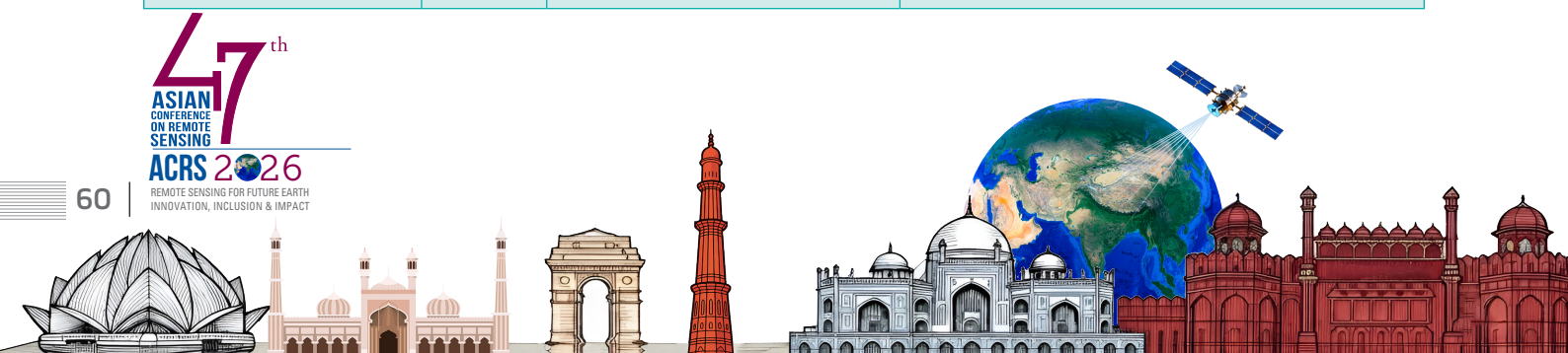
Theme	Session	Abstract_ID	Title
Geospatial Services for Societal Impacts	G5	ACRS26_ABS_U501900	Forecasting Urban Land-Use Efficiency from Earth Observation Time Series with Uncertainty-Aware Deep Learning
Geospatial Services for Societal Impacts	G5	ACRS26_ABS_N919965	Deciphering Particulate Matter Variability in India's National Capital Region Using Explainable Artificial Intelligence and Ensemble Learning
Geospatial Services for Societal Impacts	G7	ACRS26_ABS_J853856	Language Vitality Mapping and Revitalization Planning in Tana Luwu: Integrating GIS Technology and Sociolinguistic Analysis
Geospatial Services for Societal Impacts	G7	ACRS26_ABS_C197085	Effect of Meteorological Factors and Seasonal Dynamics on Dengue Incidence in Haryana Region
Geospatial Services for Societal Impacts	G7	ACRS26_ABS_Q577494	A Geospatial Assessment of Thermal Inequality and Urban Planning Disparities in Delhi using Earth Observation
Geospatial Services for Societal Impacts	G7	ACRS26_ABS_S699268	GIS-Based Property-Level Mapping Using Remote Sensing and Video-Geotagging: The Ludhiana Smart City Experience
Geospatial Services for Societal Impacts	G7	ACRS26_ABS_C413986	Evaluation of Satellite-Derived Greenhouse Gas Observations Using Ground-Based EM27/SUN Measurements Across Semi-Urban and Industrial Environments
GNSS Applications	H1	ACRS26_ABS_F105872	Multi-GNSS Ionospheric TEC Analysis During the January 2026 Geomagnetic Storm: A Study Over the EIA Crest Region
GNSS Applications	H1	ACRS26_ABS_B440338	Complete Assembly Integration & Checkout Testing of GNSS Receiver
GNSS Applications	H1	ACRS26_ABS_B520930	Performance Assessment of Smartphone-Based Multi-Constellation GNSS for Accurate Navigation and Geospatial Mapping in Smart City Applications
GNSS Applications	H1	ACRS26_ABS_R754410	Insar Tropospheric Stratified And Turbulent Delays Joint Correction Using Gnsz Zenith Tropospheric Delay Products
GNSS Applications	H1	ACRS26_ABS_F254323	Impact of Levels of Detail in 3D City Models on GNSS Visibility and Multipath Simulation



TECHNICAL SESSIONS SCHEDULE

Day-5: 16th Oct, 2026

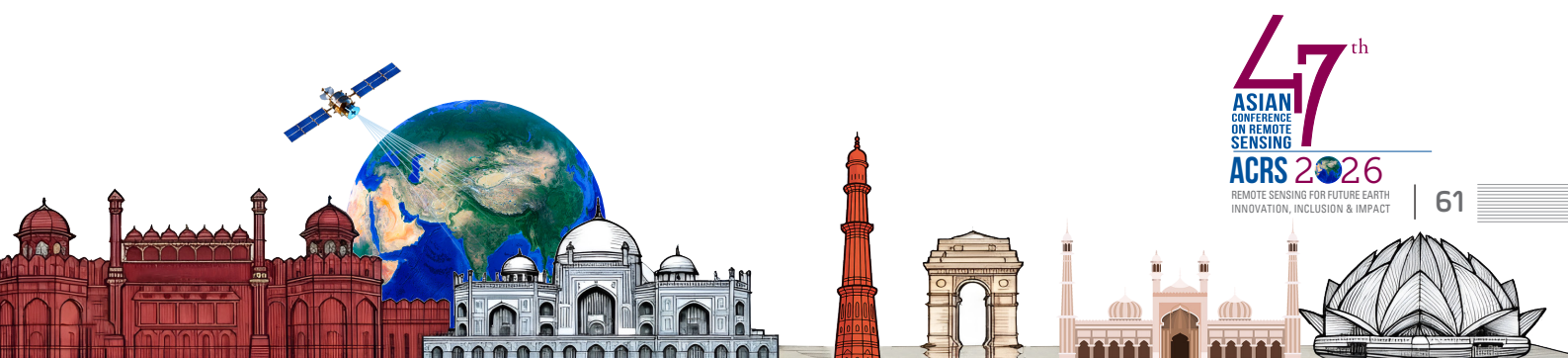
Theme	Session	Abstract ID	Abstract Title
Earth Observation For Sustainable Earth	A17	ACRS26_ABS_O524434	MLP-Based Coastal Water Quality Assessment and Ecosystem Vulnerability Indexing in the Indian Sundarbans Using Available Multi-Source Satellite Data.
Earth Observation For Sustainable Earth	A17	ACRS26_ABS_W582793	Satellite-Based Water-Quality Assessment of Selected Lakes in Tamil Nadu Using Google Earth Engine and Explainable Machine Learning
Earth Observation For Sustainable Earth	A17	ACRS26_ABS_P738859	An integrated multi-sensor Geo-AI framework for urban water quality monitoring
Earth Observation For Sustainable Earth	A17	ACRS26_ABS_L601461	Development of a water quality monitoring system for Bengaluru's urban and peri-urban lakes using decade-long satellite time series observations
Earth Observation For Sustainable Earth	A17	ACRS26_ABS_D771003	Hyperspectral network observation of non-point source pollution and the associated real-time uncertainty assessment in urban-rural watershed
Earth Observation For Sustainable Earth	A18	ACRS26_ABS_C650737	Hydrological Variability and Water Balance of the Manoligao Watershed under Climate and Land Use Changes
Earth Observation For Sustainable Earth	A18	ACRS26_ABS_J112435	Multi-Source Earth Observation based Framework for Wetland Habitat Monitoring and Change Detection
Earth Observation For Sustainable Earth	A18	ACRS26_ABS_V860945	Combining Sentinel-1 and Sentinel-2 Data for Multi-Temporal analysis of Nalsarovar and Thol Wetlands
Earth Observation For Sustainable Earth	A18	ACRS26_ABS_W340931	Remote sensing based assessment of Carbon stock Carbon Fixation and Methane emissions from Summer Paddy Crop of Gondia District Maharashtra
Earth Observation For Sustainable Earth	A18	ACRS26_ABS_O219712	Deep Learning-Based Detection of Paddy Irrigation Anomalies Using RADARSAT-2 Imagery: A Case Study of Malaysian Granaries
Geospatial Services for Societal Impacts	G6	ACRS26_ABS_V721033	Jal Drishti: Satellite-Driven National Water Quality Intelligence for India
Geospatial Services for Societal Impacts	G6	ACRS26_ABS_W986191	Open-Source GIS for Electoral Delimitation: Measuring Compactness for Drawing Inclusive and Objective Constituency Boundaries



TECHNICAL SESSIONS SCHEDULE

Day-5: 16th Oct, 2026

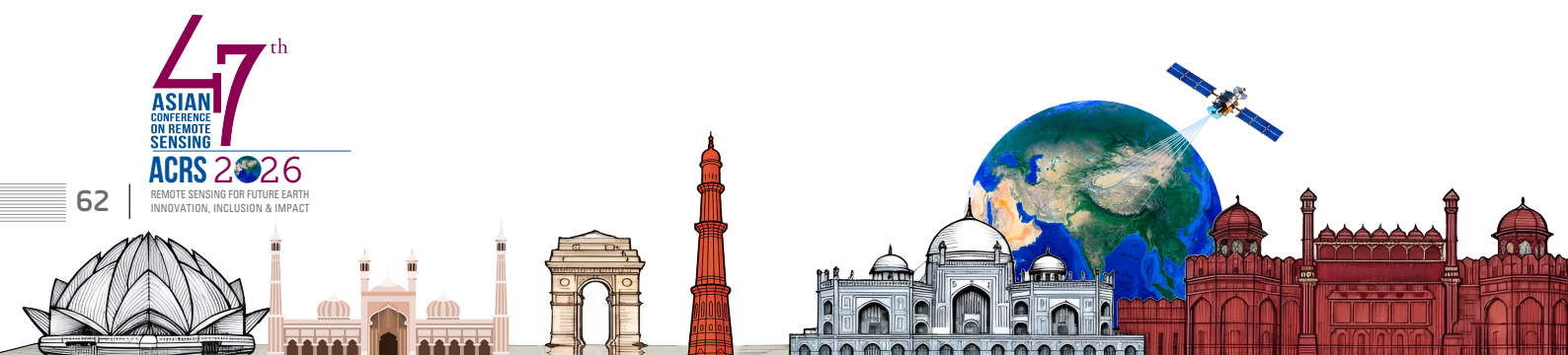
Theme	Session	Abstract ID	Abstract Title
Geospatial Services for Societal Impacts	G6	ACRS26_ABS_T972585	Earth Observation and GIS for Groundwater-Security Assessment and Managed Aquifer Recharge Siting in Tiruchirappalli District Tamil Nadu
Geospatial Services for Societal Impacts	G6	ACRS26_ABS_O595490	Development of Daily Dynamic Landslide Hazard Index (DDLHI) using Satellite derived Rainfall Extremes for Uttarakhand, India
Geospatial Services for Societal Impacts	G6	ACRS26_ABS_N191462	Optimising Pedestrian Thermal Comfort: A Physiological Shortest Path Framework for Microclimate-Aware Routing
GNSS Applications	H2	ACRS26_ABS_Y457520	Retrieval and Evaluation of Vegetation Optical Depth from GNSS-IR Observations over Telangana India.
GNSS Applications	H2	ACRS26_ABS_M380539	Monitoring of Seasonal Groundwater Dynamics based on a hydro-geodetic approach in Punjab India from a Continuous GNSS Network
GNSS Applications	H2	ACRS26_ABS_J367251	Accuracy Validation of CLAS-Based GNSS Slant-Path Precipitable Water Vapor Using Ground-Based Microwave Radiometer Observations
GNSS Applications	H2	ACRS26_ABS_I987729	Development of a CYGNSS GNSS-R Soil Moisture Model and its Application to Agricultural Drought Assessment in Karnataka
GNSS Applications	H2	ACRS26_ABS_E988468	Three-Dimensional Ground Displacement Estimation by Integrating InSAR and Interpolated GNSS Displacements in Shikoku, Japan



POSTER SESSION SCHEDULE

Day-2: 13th Oct, 2026

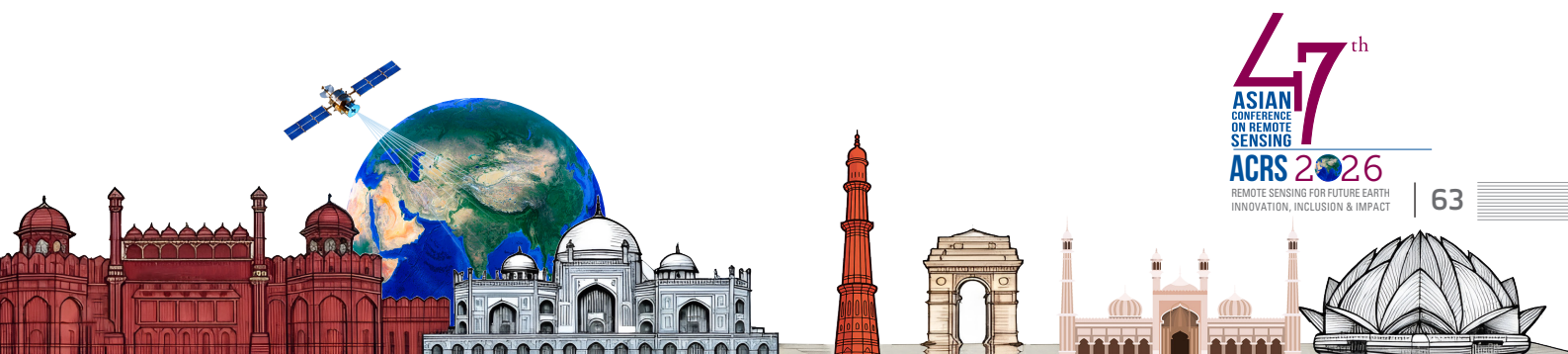
S. No.	Abstract ID	Title
1	ACRS26_ABS_C332194	Physics-Based Forward Modelling For Real-Time Identification Of Crops In Hyperspectral Images
2	ACRS26_ABS_O852421	From Bias to Reliability: Assessment and Performance Evaluation of Satellite and Reanalysis Rainfall Products in Punjab, India
3	ACRS26_ABS_B422899	Assessment of Vertical Forest Phenology and Structural Complexity in Tropical Wet Evergreen Forest of Northeast India Using GEDI-Derived Structural Metrics
4	ACRS26_ABS_S469581	Evaluating Wheat Canopy Dynamics Under Different Irrigation and Nitrogen Treatments Using GreenSeeker-Derived NDVI
5	ACRS26_ABS_W708414	Macro-Level Identification of Kharif Rice Phenology in India Using Multi-Sensor Imagery and LSTM Networks
6	ACRS26_ABS_C339194	Geospatial Modeling of Sediment Mobility and Connectivity in the Kosi River Basin Using Topographic and Climatic-LULC Variables
7	ACRS26_ABS_A129050	Development of Volume Equations for Shorea robusta Using Terrestrial Laser Scanning in Meghalaya, India
8	ACRS26_ABS_L766503	Development of a Dynamic Framework for Regional-to-Global Gridded Atmospheric Simulations using MODTRAN Radiative Transfer Model
9	ACRS26_ABS_P999449	A Mineral Systems Approach to Gold Prospectivity Modeling Integrating Hyperspectral, Aerogeophysical Data, and Machine Learning
10	ACRS26_ABS_Y824518	Multi-Sensor Remote Sensing and Machine Learning for Crop Damage Assessment Following Monsoon Floods in North-West India
11	ACRS26_ABS_N112493	Heatwave Forecasting using Remote Sensing based Datasets and Explainable Machine learning
12	ACRS26_ABS_O558627	Identification of Critical Erosion Prone Areas of Pairi Subbasin using Satellite Data and ArcSWAT Model
13	ACRS26_ABS_T431642	Advancing Eco-Health Assessment of Arid Ecosystem: A VOR-FCE-Objective weighting Framework for Desert National Park, India
14	ACRS26_ABS_G794514	Development Of A Forest Digital Twin For Modelling Tropical Deciduous Forest Phenology
15	ACRS26_ABS_Y312990	Beyond Greenness: A Multi-Scale Earth Observation Framework for Identifying Global Forest Degradation Hotspots
16	ACRS26_ABS_O882614	Multi-Temporal Dual-polarimetric SAR Data analysis using EOS-04 and Sentinel-1 for delineation of Pigeon Pea (Cajanus cajan) crop in Kalaburagi region
17	ACRS26_ABS_Q509192	UnTwin: A Framework for Unsupervised Digital Twin from Static LiDAR in Complex Unstructured Urban Environments
18	ACRS26_ABS_O798358	Climate Change Impacts on Future Soil Erosion in Punjab (India): An Integrated RUSLE-Remote Sensing and CMIP6 Assessment



POSTER SESSION SCHEDULE

Day-2: 13th Oct, 2026

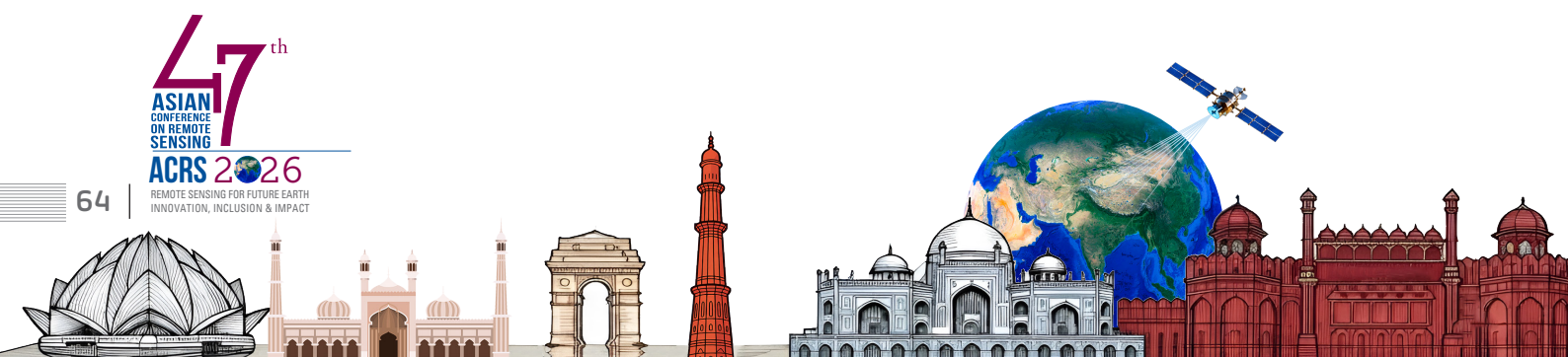
S. No.	Abstract ID	Title
19	ACRS26_ABS_R954481	Evaluating Decadal Spatiotemporal Land Use Variations and their Impacts on Ecosystem Service Values in Coimbatore City
20	ACRS26_ABS_Y495952	Assessment of land cover change attribution to greenhouse gas emissions over Indian region
21	ACRS26_ABS_H868428	Geospatial Modelling of Habitat Quality Dynamics and Potential Driving Factors: A Study in Eastern Himalayan Landscape
22	ACRS26_ABS_L160106	Comparative Analysis of Machine Learning, Deep Learning, and Hybrid Classifiers for Rabi Crop Mapping using NDVI Time Series data
23	ACRS26_ABS_E637233	Improving Forest Gross Primary Productivity Estimation by Integrating Sun-Induced Chlorophyll Fluorescence into Light Use Efficiency Models
24	ACRS26_ABS_Y457371	Automated Stress Phenotyping of Citrus in Western Rajasthan: A WebGIS Framework Fusing UAV Hyperspectral and Point Cloud Data
25	ACRS26_ABS_D762225	Monitoring Wetland Dynamics Using Sentinel-1 Data: A Case Study of Nalsarovar and Thol Wetlands
26	ACRS26_ABS_R649722	ML and SAR-derived Glacier Radar Zones and ELA Trends: A Case Study of Chhota Shigri Glacier, Western Himalaya
27	ACRS26_ABS_I581700	Comparative Evaluation of AHP and TOPSIS for Developing a Satellite Based Wetland Health Index.
28	ACRS26_ABS_A838977	Geospatial Analysis and Field-Scale Decision Support for Sustainable Management of Salt-Affected Soils under Different Crop Rotations in Haryana
29	ACRS26_ABS_N932852	A Machine Learning Framework for High-Resolution Carbon Saturation Deficit Mapping in Telangana Using Legacy Soil Data and Remote Sensing
30	ACRS26_ABS_U552757	Spatiotemporal Assessment of Future Meteorological Drought in Thailand Using the Standardized Precipitation Index (SPI)
31	ACRS26_ABS_R263247	Climate Change Impact on Forest Dynamics - Role of Geospatial Technology
32	ACRS26_ABS_H534895	Spatial mapping of soil quality index (SQI) in Nalgonda district of Telangana



POSTER SESSION SCHEDULE

Day-3: 14th Oct, 2026

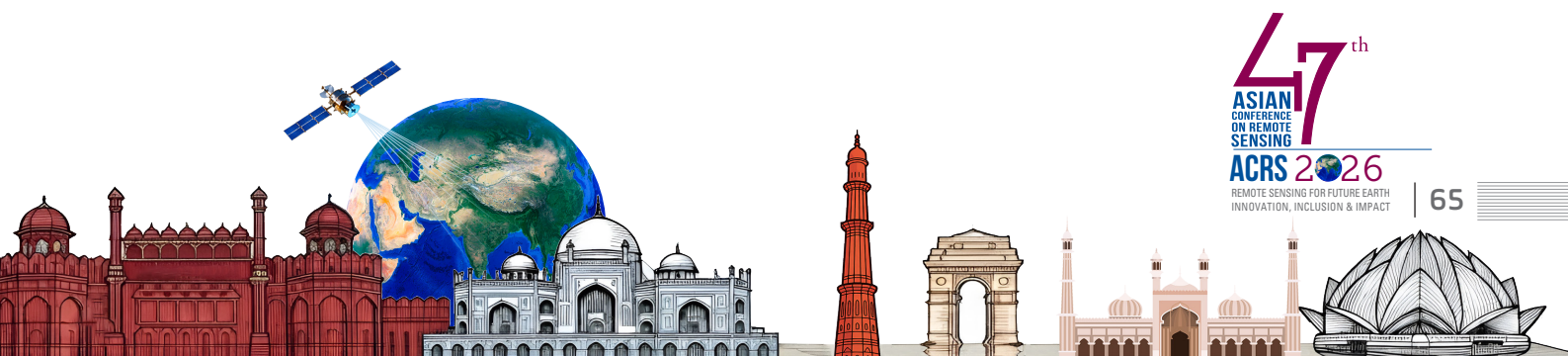
S. No.	Abstract ID	Title
33	ACRS26_ABS_J207361	Landslide Risk Classification in Shimla District Using Rainfall Intensity–Duration Thresholds
34	ACRS26_ABS_R836091	Diagnostic Assessment of Sundarbans Phytoplankton Photosynthetic Efficiency Across Monsoonal Transitions: Integrating FRRF and Oceansat-3
35	ACRS26_ABS_T833162	Evaluating Nitrogen-Induced Changes in Wheat Phenology Using UAV Multispectral Remote Sensing
36	ACRS26_ABS_B622798	Morphometric-Based Prioritization of Erosion-Prone Sub-Watersheds in the Amlawa River Basin, Garhwal Himalaya, India.
37	ACRS26_ABS_E455420	Explainable Geospatial Artificial Intelligence Based Forest Fire Susceptibility Assessment for Disaster Risk Reduction in a Protected Area
38	ACRS26_ABS_A542694	Hyperspectral Discrimination Of Shallow Water Corals Of Agatti Island
39	ACRS26_ABS_M777347	Understanding the Impact of Climate Change on Future Climate Extremes in the Gandak River Basin: A Multi-Model Ensemble-Based Analysis
40	ACRS26_ABS_J935403	Assessment of Vegetation Dynamics and Relative Carbon Sequestration Potential around Kalpakkam coast using Multi-temporal LISS-IV Data
41	ACRS26_ABS_G639959	Quantifying Active Crustal Deformation at the Shillong Plateau-Indo-Myanmar Range Junction using DEM-Derived Geomorphic Indices
42	ACRS26_ABS_V938914	Integrated Flood and Soil Erosion Risk Modelling Using Geospatial Technique: A Study of Watershed in the Ravi river, Punjab, India
43	ACRS26_ABS_D881512	Explainable Machine Learning for Assessing Flood Recurrence within Paleochannels during the 2025 Punjab Flood
44	ACRS26_ABS_O894563	Robust Flood Hotspot Identification using Geospatial Technique in the Punjab State, India
45	ACRS26_ABS_T114938	Morphometric Analysis and Sub-Watershed Prioritization of the Subarnarekha River Basin, India: A Geospatial and ML Approach
46	ACRS26_ABS_I184252	Spatio-Temporal Assessment of Riverbank Erosion and Associated Agricultural Land Loss in the Brahmaputra, Barak, and Selected Tributaries
47	ACRS26_ABS_V980251	Monitoring of the Embankment Locations that are Vulnerable to Breaching due to Continuous River Bank Erosion
48	ACRS26_ABS_S807810	Spatiotemporal Assessment of Atmospheric Moisture Budget and Vertical Air Temperature Trends across the Ganga River Basin
49	ACRS26_ABS_V167529	Predicting landslide dam hotspots using geomorphic controls and machine learning model: a cross-catchment assessment in the Uttarakhand Himalayas
50	ACRS26_ABS_O107388	Sparse Hyperspectral Unmixing for Volcanic SO ₂ Vertical Column Density Estimation: Application to the 2025 Hayli Gubbi Eruption Using TROPOMI L1 Radiance



POSTER SESSION SCHEDULE

Day-3: 14th Oct, 2026

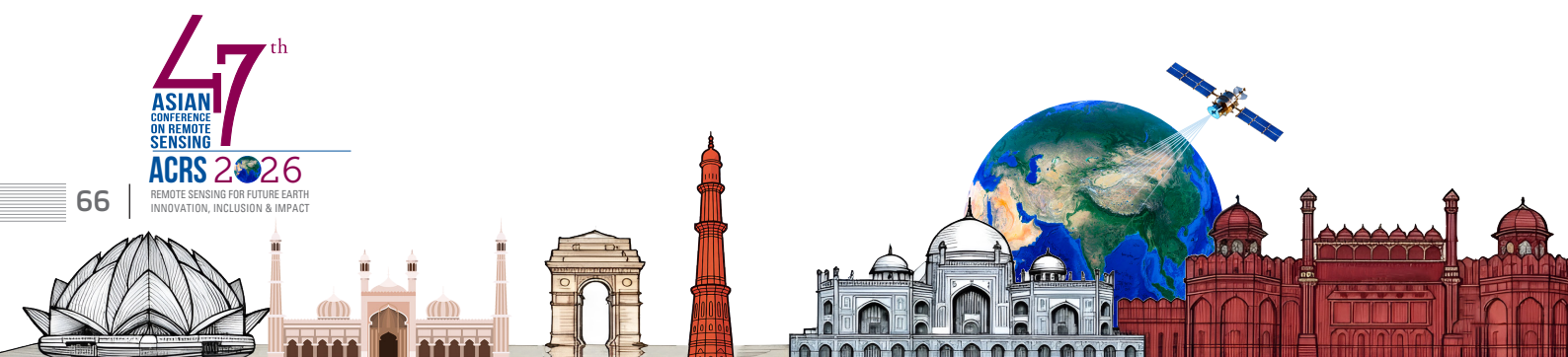
S. No.	Abstract ID	Title
51	ACRS26_ABS_A483090	Two-dimensional imaging of the tsunami caused by the 29 July 2025, Mw 8.8 Kamchatka earthquake from SWOT
52	ACRS26_ABS_F205872	A Multi-Sensor Framework for Continuous Monitoring of Coral Reef Dynamics and Environmental Drivers at Luconia Shoals National Park, Malaysia
53	ACRS26_ABS_S960809	A Comparative Study of Machine Learning Approaches for Wind Vector Retrieval from EOS-06 Scatterometer Data
54	ACRS26_ABS_D414539	Comparative assessment of methane emissions from metropolitan cities landfill using EnMAP satellite data
55	ACRS26_ABS_M492065	A Multi-Hazard Decision Support System for Climate-Resilient Disaster Risk Reduction in Asia.
56	ACRS26_ABS_R462235	Surface Classification and Change Detection in a Volcanic Region Using SAR and Optical Remote Sensing
57	ACRS26_ABS_I572110	GIS -based mapping of Marine Heat waves Intensity in North Indian Ocean
58	ACRS26_ABS_B939090	Nitrogen Treatment Distinction for Mentha arvensis using UAV-based Hyperspectral imaging
59	ACRS26_ABS_C576359	Characterizing the deep convective storms over Southeast Asia using spaceborne doppler radar
60	ACRS26_ABS_N106419	2026 Venezuelan earthquake doublet: first report on seismic resilience of buildings and comparative analyses with earthquakes in the recent decade
61	ACRS26_ABS_N860809	FiST4CEOS: Fine Resolution SLC Extraction and Analysis Tool for EOS-04 CEOS Format
62	ACRS26_ABS_O972782	Spatio-temporal relationship and stand-alone predictor analysis on Cloud top temperature and Lightning – A Case study over India 2023.



POSTER SESSION SCHEDULE

Day-4: 15th Oct, 2026

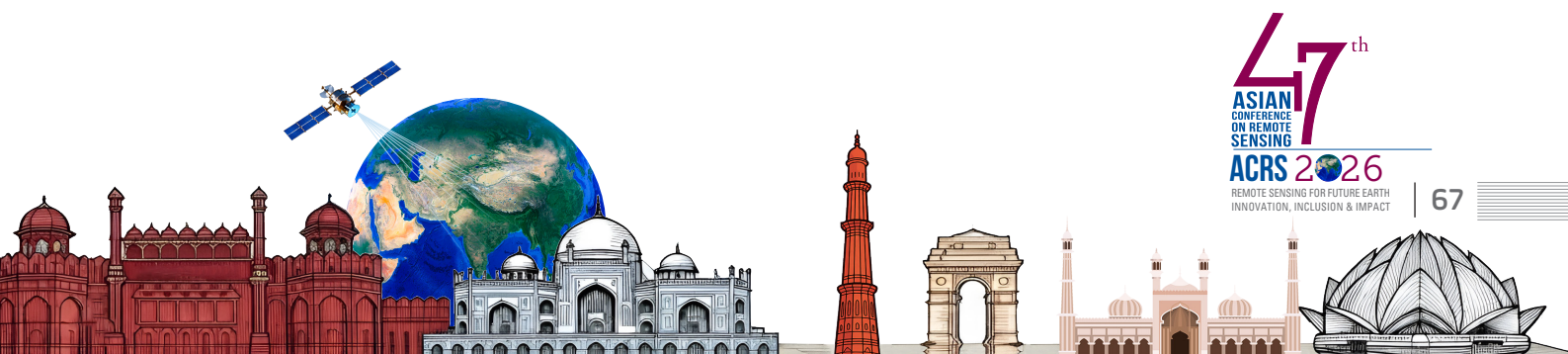
S. No.	Abstract ID	Title
63	ACRS26_ABS_J915641	Satellite Foundation Model Embeddings for Automated Open-Field Detection and Flood Evacuation Site Identification
64	ACRS26_ABS_Q763758	GeoSaarthi: An LLM-Driven Geospatial Framework for Secure Access to Earth Observation Data and Disaster Information
65	ACRS26_ABS_L539711	Impact of El Nino on Early Monsoon Onset Rainfall and Land Surface Temperature in Ludhiana District, Punjab
66	ACRS26_ABS_H842905	Atmospheric temperature, NO2 and CO concentration affect COVID-19 mortality in Punjab (India)
67	ACRS26_ABS_K599516	Change detection using satellite imagery in Delhi NCR region
68	ACRS26_ABS_H433614	Machine Learning Emulator of Radiative Transfer Simulations for Real-Time Global Land Surface Temperature Retrieval from Thermal Infrared Satellite Observations
69	ACRS26_ABS_O523259	Leveraging WebGIS and Artificial Intelligence for Next-Generation E-Governance: A Case Study of Nyaya Vikas
70	ACRS26_ABS_A500874	TRIP: An LLM-Augmented Travel Itinerary Recommendation Engine for Personalized Itinerary Generation in North East India
71	ACRS26_ABS_W878560	CNN-Based Classification of Urban Settlements by Physical Planning Characteristics
72	ACRS26_ABS_W241246	Spectral Embedding-Based Bamboo Plantation Mapping in Meghalaya Using Alpha-Earth Foundation Model and Cosine Similarity
73	ACRS26_ABS_Q117671	Spatio-Demographic Asymmetry in Global Megacities: A Comparative Analysis of Built-up Area and Population Growth
74	ACRS26_ABS_H828759	GeoMCP: A Model Context Protocol Framework for Interoperable and Agentic Geospatial Analysis Workflows in Earth Observation
75	ACRS26_ABS_S726825	A Comprehensive Analysis of Machine Learning Methods for Crop Residue Burning Detection Using Satellite Imagery
76	ACRS26_ABS_N498820	Continuous Monitoring of Transboundary Crop Residue Burning Across the Indo-Gangetic Plain Using INSAT-3DS Geostationary Fire Radiative Power Observations
77	ACRS26_ABS_V356277	Identification and mapping of archaeological mounds of Haryana using remote sensing datasets
78	ACRS26_ABS_Y544763	Street Scale Monitoring of PM2.5 Along an Urban–Rural Gradient: Spatiotemporal Characterisation Using Mobile Sensing Platforms
79	ACRS26_ABS_M391690	Multi-Temporal Land use and Land cover Analysis and Future Prediction using Machine Learning in Geospatial Framework
80	ACRS26_ABS_W986191	Open-Source GIS for Electoral Delimitation: Measuring Compactness for Drawing Inclusive and Objective Constituency Boundaries



POSTER SESSION SCHEDULE

Day-4: 15th Oct, 2026

S. No.	Abstract ID	Title
81	ACRS26_ABS_Y623646	Building-Level Vacant House Estimation Using Ensemble Machine Learning with High-Resolution Multispectral Satellite Imagery
82	ACRS26_ABS_V906678	Temporal Dynamics of Snow Depth and Data-Driven Prediction of Seasonal Snow Accumulation
83	ACRS26_ABS_G143753	Analysis of Spatial Variations in Local Population Distribution from the Perspectives of Land-Use Change and Household Size
84	ACRS26_ABS_P771903	Pollution-Aware Solar Potential Assessment Using 3d city model
85	ACRS26_ABS_O287150	High-Altitude Wetland Health Card: Advancing sustainable monitoring by developing DSS
86	ACRS26_ABS_D418621	Integrated Remote Sensing and WebGIS-Based Assessment of Vegetation Dynamics in High-Altitude Wetland
87	ACRS26_ABS_K596142	Performance of Machine Learning Approaches using Satellite Remote Sensing and AlphaEarth Foundations Embeddings for Crop Mapping
88	ACRS26_ABS_A666124	Integrated SBAS-InSAR and Digital Change Mapping for Monitoring Rock Glacier Dynamics and Assessing Surface Deformation
89	ACRS26_ABS_H955024	Spatial Variability of Rock Glacier Deformation Across the Indian Himalaya: A DCM and LST-Based State-wise Comparative Study
90	ACRS26_ABS_I978505	Cluster-Based Spatial Principal Component Analysis and Its Applications in Hyperspectral Image Processing
91	ACRS26_ABS_M164972	Byzantine-Resilient Multi Agent Consensus for Robust Satellite Image Classification
92	ACRS26_ABS_I492853	Performance Evaluation of GAGAN-Enabled Low-Cost GNSS Positioning under Varying Observation Environments- A Case Study at IIT Kanpur
93	ACRS26_ABS_J330046	Examination of a design method for park development plans using generative AI
94	ACRS26_ABS_O981885	Integrated Geospatial-Machine Learning Analytics For Urban Micro Morphology Using Multi-Sensor Datasets



ABOUT INDUSTRY SESSIONS

Industry Session 1

12 October, 2026 (15:45 - 17:15 hrs)

Session Chair: Shri Shantanu Bhatawdekar, Advisor, NSIL & Former Scientific Secretary, ISRO

S. No.	Company	Speaker
1	NewSpace India Limited (NSIL)	Shri Koti Shiva Reddy
2	Ananth Technologies	Mr ChnadraBhan
3	Galaxeye Space Solutions Private Limited	Shri Ravi Raj Singh Gaur
4	Satleo Labs Private Limited	Shri Urmil Bakhai
5	Suhora Technologies Private Limited	Dr. Vinod Bothale
6	Springer Nature	Dr Sonal Chaudhary

Industry Session 2

13 October, 2026 (14:30 - 16:00 hrs)

Session Chair: Dr. Y. V. N. Krishnamurthy, Senior Professor, IIST

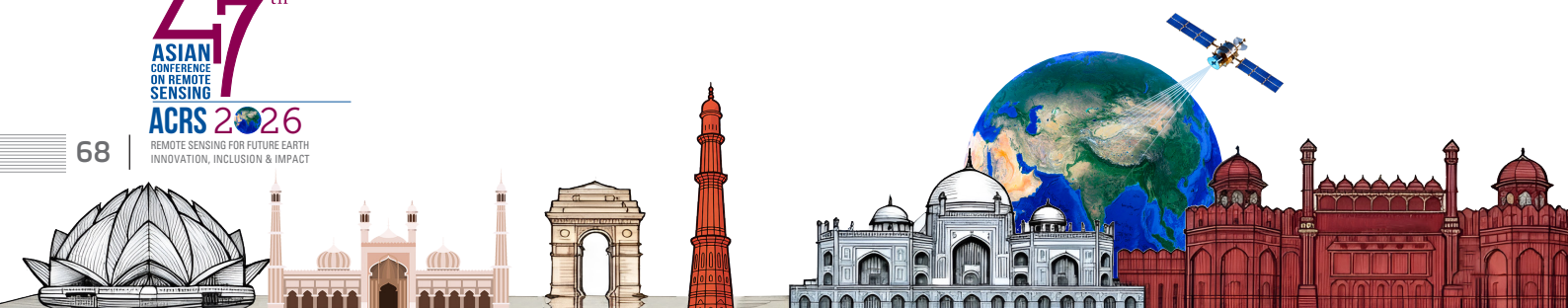
S. No.	Company	Speaker
1	Aaxis Nano Technologies Private Limited	Mr. Vysakh Mohan
2	Pixxel Space Technologies	Gp Captain Debashish Sengupta (Retd.) Akshat Jain
3	Octave	Sumit Thapa
4	Dhruva Space Private Limited	Soujanya Pisipati
5	Bruker	Dr Vijay Veer
6	Xdlinx Space Labs	Dr. Pramod Kumar Konugurthi

Industry Session 3

16 October, 2026 (09:30 - 11:00 hrs)

Session Chair: Shri Sanjay Kumar, CEO, Geospatial World Pvt. Ltd.

S. No.	Company	Speaker
1	Geospatial World Private Limited	Ms. Ananya Narain
2	Campbell Scientific India Private Limited	Mr. Anuj Sharma
3	Wave Geo-Services	Mr. Subhasis Sett
4	Janak Positioning & Surveying Systems Pvt. Ltd	Mr Anant Prakash
5	Azista Industries	Mr. Ashish Sachan
6	Q Nu Labs	Mr. Rajesh Kumar Krishnan



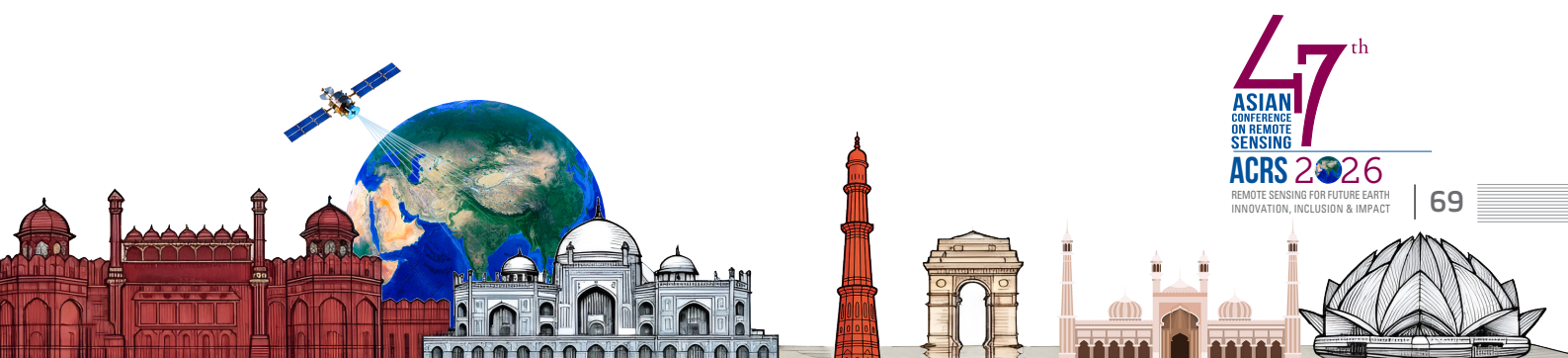
INTERNATIONAL ADVISORY COMMITTEE (IAC)

Sl. No	Name & Designation	Role
1	Dr. Shailesh Nayak	Chairman, IAC
2	Dr. V. Narayanan	Member
3	Prof. Kohei Cho	Member
4	Dr. Prakash Chauhan	Member
5	Shri. S. Krishnan, IAS	Member
6	Shri Pandhari Yadav, IAS	Member
7	Lt. Gen Anil Kumar Bhatt	Member
8	Dr. Saibun Tjuatja	Member
9	Prof. Fuan Tsai	Member
10	Prof. Ranjith Premalal De Silva	Member
11	Shri Shailesh Kumar Sinha	Member
12	Prof. Christian Heipke	Member
13	Shri Sanjay Kumar	Member

NATIONAL ADVISORY COMMITTEE (NAC)

Sl. No	Name & Designation	Role
1	Dr. Prakash Chauhan	Chairman
2	Shri. Soumya Sarkar	Member
3	Dr. S. K. Srivastav	Member
4	Dr. D. Gowri Sankar	Member
5	Dr. R. P. Singh	Member
6	Dr. J. V. Thomas	Member
7	Shri. Rajeev Jyoti	Member
8	Dr. S. P. Aggarwal	Member
9	Shri. G. Harikrishnan	Member
10	Dr. Sanghamitra Pati	Member
11	Dr. Durgesh Pant	Member
12	Dr. S. Bandyopadhyay	Member
13	Dr. Thamban Meloth	Member
14	Dr. Binod Kumar Singh	Member

Sl.No.	Name & Designation	Role
15	Dr. T. M. Balakrishnan Nair	Member
16	Shri. Shantanu Bhatawdekar	Member
17	Dr. Rashmi Sharma	Member
18	Dr. N. Aparna	Member
19	Shri. Abdul Hakeem K	Member
20	Shri. P. L. N. Raju	Member
21	Prof. V. Ramgopal Rao	Member
22	Shri. Srinath Ravichandran	Member
23	Dr. Aniruddha Roy	Member
24	Shri. Agendra Kumar	Member
25	Dr. Rajeev Kumar Jaiswal	Member
26	Dr. Sameer Saran	Member Secretary



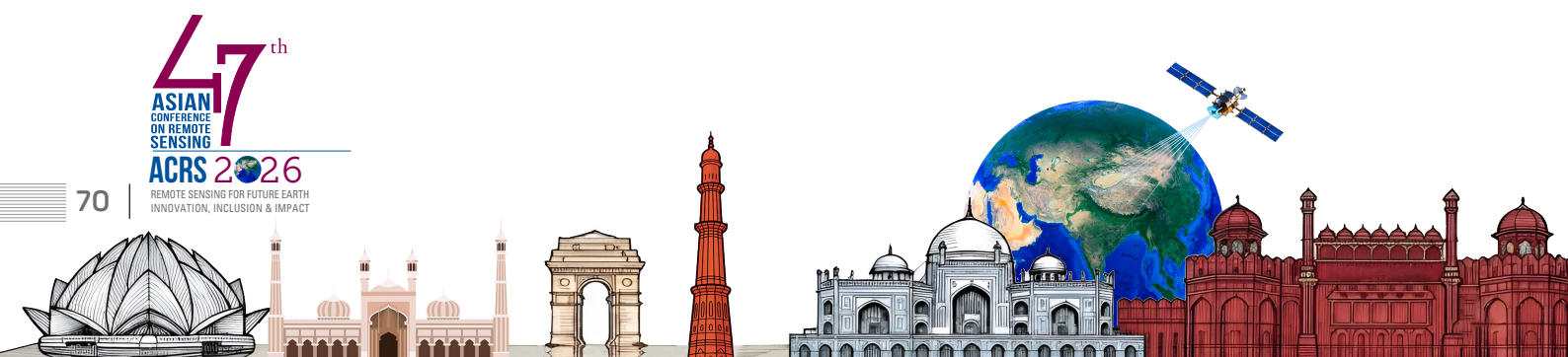
LOCAL ORGANISING COMMITTEES

Sl. No	Name & Designation	Role
1	Dr Sameer Saran, DGM RC-North	Chairperson
2	Dr Hitendra Padalia, IIRS	Member
3	Dr C P Singh, InSpace	Member
4	Dr Deb Jyoti Pal, GalaxEye	Member
5	Ms Khushboo Mirza, RC-North	Member
6	Dr Vinod K Sharma, RC-North	Member
7	Sh Akash Goyal, RC-North	Member
8	Dr Manoj Semwal, CSIR	Member
9	Prof Manabendra Saharia, IIT Delhi	Member
10	Dr Pradeep Kumar, CRRI, CSIR	Member
11	Dr Priyanka Singh, TERI	Member
12	Dr Kailash Tiwari, DTU	Member
13	Ms Preeti Tohlani, MNCFC, Delhi	Member
14	Dr Neetu, RC-North	Member Secretary

SUB-COMMITTEES FOR THE 47TH ASIAN CONFERENCE ON REMOTE SENSING (ACRS 2026)

Finance, Purchase, Sponsorship & Technical Exhibition Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	Sameer Saran	RC-North, NRSC	Chairperson
2	C P Singh	INSPACE	Member
3	Mohammed Gouse Shaik	NRSC	Member
4	Pondari Satyanarayana	NRSC	Member
5	Khushboo Mirza	RC-North, NRSC	Member
6	Vinod K Sharma	RC-North, NRSC	Member
7	Mahesh Pathakoti	NRSC	Member
8	Akash Goyal	RC-North, NRSC	Member
9	Prabhjot Kaur	RC-North, NRSC	Member
10	Sonali Jain	RC-North, NRSC	Member
11	Hitesh Poply	RC-North, NRSC	Member
12	Vishnu Prasad	RC-North, NRSC	Member
13	Manan Monga	RC-North, NRSC	Member
14	Karun Kumar Choudhary	NRSC	Member
15	Galipalli Bhagath	RC-South, NRSC	Member
16	Mayukh Mukherjee	RC-South, NRSC	Member
17	Raveena Gambhir	NRSC	Member
18	Neetu	RC-North, NRSC	Member Secretary

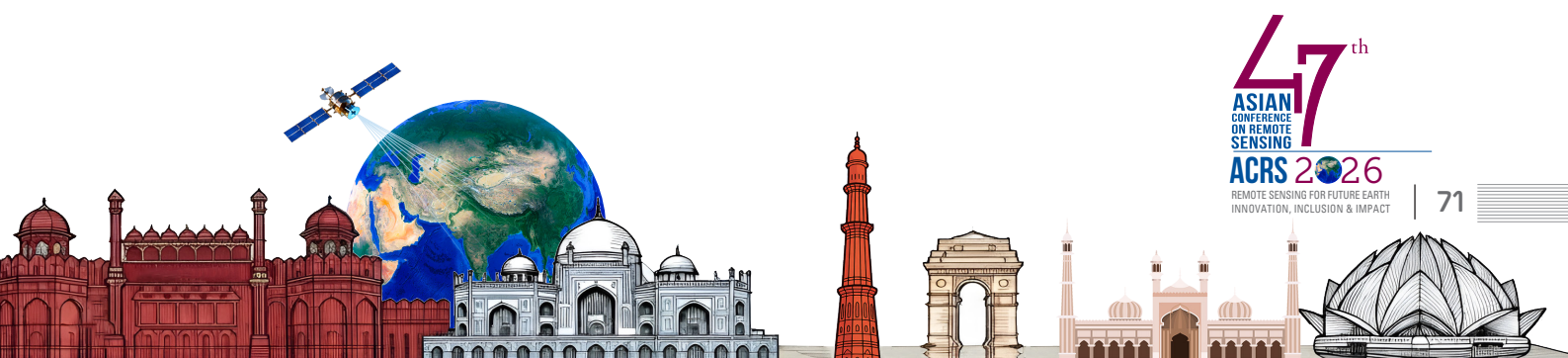


Technical Sessions Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	Abdul Hakeem	Mr Abdul Hakeem	Chairperson
2	Mehul R Pandya	SAC	Member
3	Pradeep K Thapliyal	SAC	Member
4	Dr Tapas Martha	NRSC	Member
5	Praveen K Gupta	SAC	Member
6	Alok Taori	NRSC	Member
7	Janaki Rama Suresh K G	NRSC	Member
8	P V Vinod	RC-South, NRSC	Member
9	Tanumi Kumar	RC-East, NRSC	Member
10	Prabir Kumar Das	RC-East, NRSC	Member
11	Sagar S Salunkhe	RC-West, NRSC	Member
12	Rakesh Fararoda	RC-West, NRSC	Member
13	Subrata Nandy	IIRS	Member
14	Prasun Kumar Gupta	IIRS	Member
15	Abhinav K Shukla	ISRO HQ	Member
16	Arjun BM	ISRO HQ	Member
17	Victor Saikhom	NESAC	Member
18	Nilay Nishant	NESAC	Member
19	Saurav Kumar	NRSC	Member
20	Sampelli Anoop	NRSC	Member
21	Gummalla Abhinav	NRSC	Member
22	Anurag Mishra	RC-North, NRSC	Member Secretary

Stage/Hall Management and Cultural Programme Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	Suresh Babu A V	NRSC	Chairperson
2	KK Sarma	NESAC	Member
3	Ashutosh Bharadwaj	IIRS	Member
4	Vandita Srivastava	IIRS	Member
5	Sampath Kumar Pabbisetty	NRSC	Member
6	Stutee Gupta	NRSC	Member
7	Reedhi Shukla	NRSC	Member
8	Lalitha D	NRSC	Member
9	Jyothi B	NRSC	Member
10	Ashwin Gujrati	SAC	Member
11	Shweta Mishra	SAC	Member
12	Anju Bajpai	RC-Central, NRSC	Member
13	Abhijit M. Pillai	RC-Central, NRSC	Member
14	A Vidya	RC-South, NRSC	Member



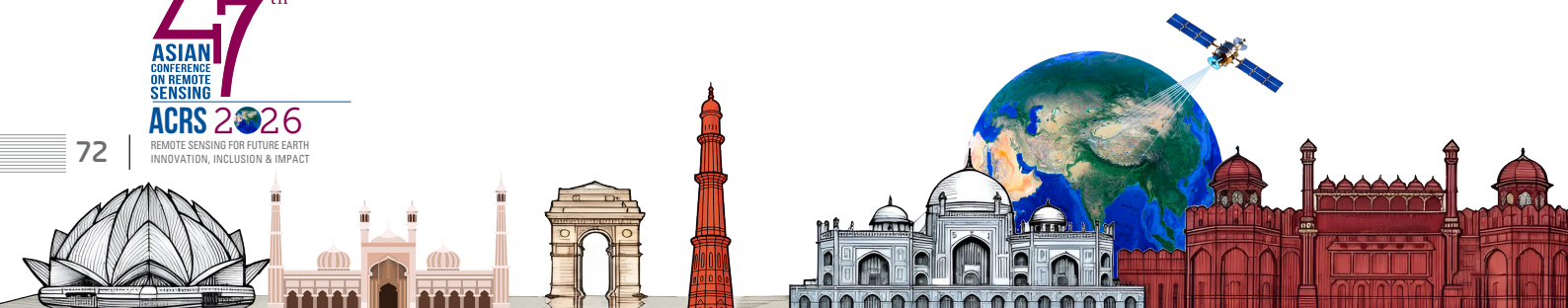
15	Niladaridas	RC-East, NRSC	Member
16	Hrishikesh Kumar	SAC	Member
17	Ankitha Reddy E	NRSC	Member
18	Niraj Priyadarshi	NRSC	Member
19	Deepak Kumar	NRSC	Member
20	Runjhun Chandra	NRSC	Member
21	Haripriya S	NRSC	Member
22	Preeti Rajput	NRSC	Member
23	Prabhjot Kaur	RC-North, NRSC	Member Secretary

Transport, Logistics & Accommodation Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	IC Das	NRSC	Chairperson
2	Puneet Swaroop	IIRS	Member
3	Vinod K Sharma	RC-North, NRSC	Member
4	Ashish Kumar Jain	RC-West, NRSC	Member
5	Rakesh Paliwal	RC-West, NRSC	Member
6	Jayant Singhal	RC-North, NRSC	Member
7	Arun S Suryavanshi	RC-Central, NRSC	Member
8	Durgesh Prasad Dwivedi	RC-North, NRSC	Member
9	Robin Dev Prasad	RC-North, NRSC	Member
10	Deepak Kashyap	RC North	Member
11	Amritpal Digra	Research Scientist, NRSC	Member
12	Krishna Moorthy P	NRSC	Member
13	Sai Ram Kiran S	NRSC	Co-opted Member
14	K Laxminarasimha Rao	NRSC	Member
15	Y Bharathi, Admn. Officer	RC-North, NRSC	Member Secretary

Catering and Hospitality Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	AK Bera	RC-South, NRSC	Chairperson
2	S S Rajshekhar	RC-Hyderabad, NRSC	Member
3	D Giri Babu	RC-West , NRSC	Member
4	Shivam Trivedi	RC-South, NRSC	Member
5	Manish Kumar Verma	RC-West , NRSC	Member
6	T P Girish Kumar	RC-Central, NRSC	Member
7	Saurabh Gangwar	Rrsc-Central	Member
8	Deepak Kashyap	RC-North, NRSC	Member Secretary



Registration Committee:

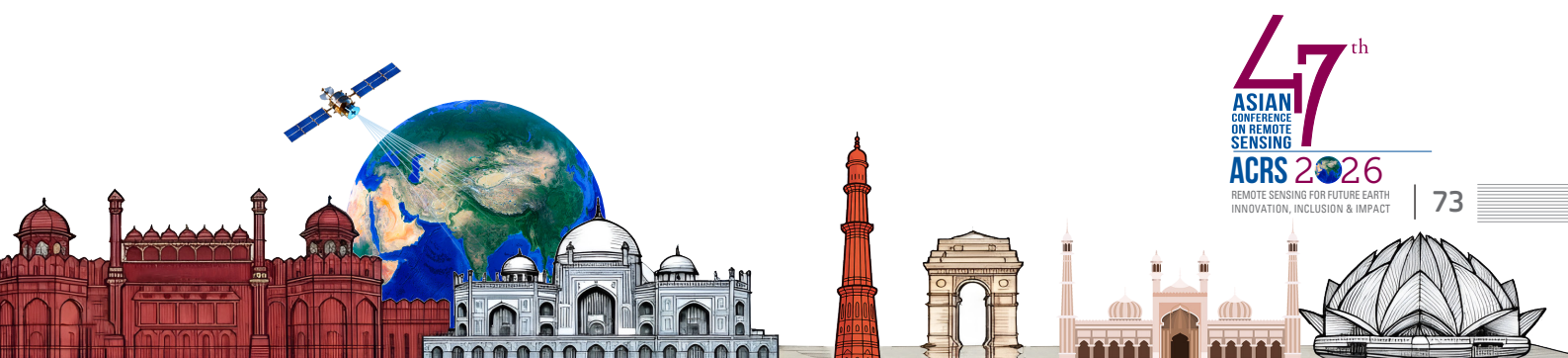
Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	V M Chowdary	NRSC	Chairperson
2	V Poompavai	RC-South, NRSC	Member
3	Sonali Jain	RC-North, NRSC	Member
4	Shankar Ram N R	RC-North, NRSC	Member
5	Suresh Kumar Manchikanti	NRSC	Member
6	Vipul Malhotra	RC-West, NRSC	Member
7	Tirumala Vishnudeep	NRSC	Member
8	Shittal Malla	NRSC	Member
9	Gyanasmita Pradhan	NRSC	Member
10	Mayurakshi Chanda	NRSC	Member
11	Saloni Tripathy	NRSC	Member
12	Souramita Chakraborty	RC-North, NRSC	Member
13	Debjit Chakraborty	NRSC	Member
14	Aakashneel Basak	NRSC	Member
15	Jaya Saxena	NRSC	Member
16	Nagakusuma Dupam	NRSC	Member
17	Akash Goyal	RC-North, NRSC	Member Secretary

Publication Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	Hitendra Padalia	IIRS	Chairperson
2	Arindam Guha	RC-East, NRSC	Member
3	Tapas Martha	NRSC	Member
4	Praveen Thakur	IIRS	Member
5	Vaibhav Garg	IIRS	Member
6	Ayan Das	SAC	Member
7	Victor Saikhom	NESAC	Member
8	Abhinav K Shukla	ISRO HQ	Member
9	Anurag Mishra	RC-North, NRSC	Member Secretary

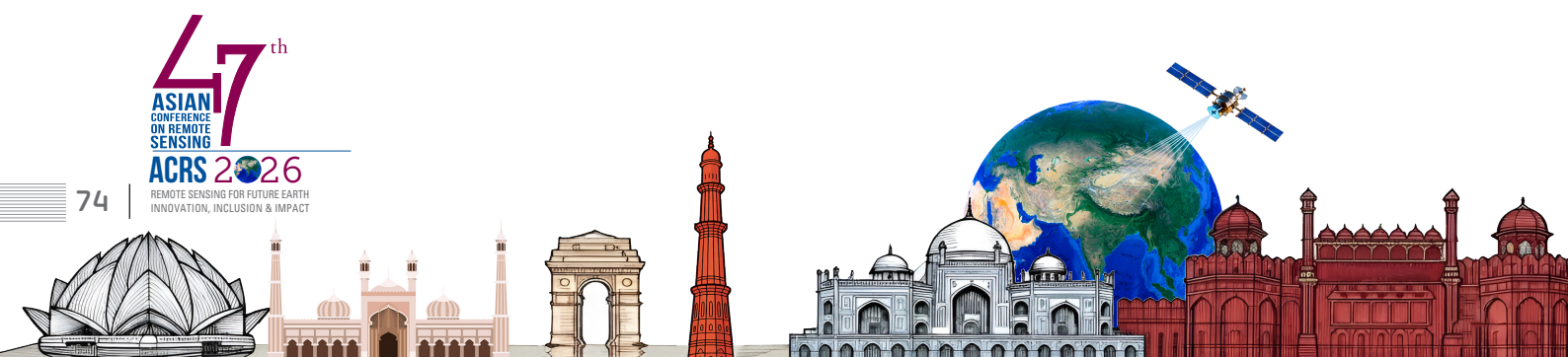
IT/AV Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	Venkata Raghavendra K	NRSC	Chairperson
2	Nagashree Mohankumar	RC-South, NRSC	Member
3	Sharmistha B Pandey	RC-East, NRSC	Member
4	Hansraj Meena	RC-Central, NRSC	Member
5	Tushar Pande	NRSC	Member
6	Dhijo Kumar Behera	NRSC	Member
7	Dahihande Abhishek Deepak	Project Scientist-B, NRSC	Member
8	Shankar Ram N R	RC-North, NRSC	Member Secretary



ISPRS Student Consortium Summer School Committee:

Sl.No.	Name (Dr/Shri/Smt/Ms.)	Organisation	Role
1	Sameer Saran	RC-North, NRSC	Chairperson
2	Pankaj Bodani	SAC	Member
3	Ashutosh Gupta	SAC	Member
4	Anil Yadav	NRSC	Member
5	Prabhakar Alok Verma	IIRS	Member
6	Nilay Nishant	NESAC	Member
7	Hitesh Poply	RC-North, NRSC	Member
8	Vinod K Sharma	RC-North, NRSC	Member Secretary



ISPRS STUDENT CONSORTIUM SUMMER SCHOOL ON “GEOAI FOR FUTURE EARTH”

The ISPRS Student Consortium Summer School on “GeoAI for Future Earth”, organised as part of ACRS 2026, is a one-week programme taking place from 17th–21st October 2026 at Amity University, Noida. It introduces students and young researchers to the rapidly evolving field of Geospatial Artificial Intelligence (GeoAI) and its applications in Earth Observation and geospatial science. The programme brings together approximately 40 national and international participants, as well as 20 participants from Amity University, creating a diverse platform for learning, knowledge exchange, and interaction among students, researchers, and geospatial technology experts.

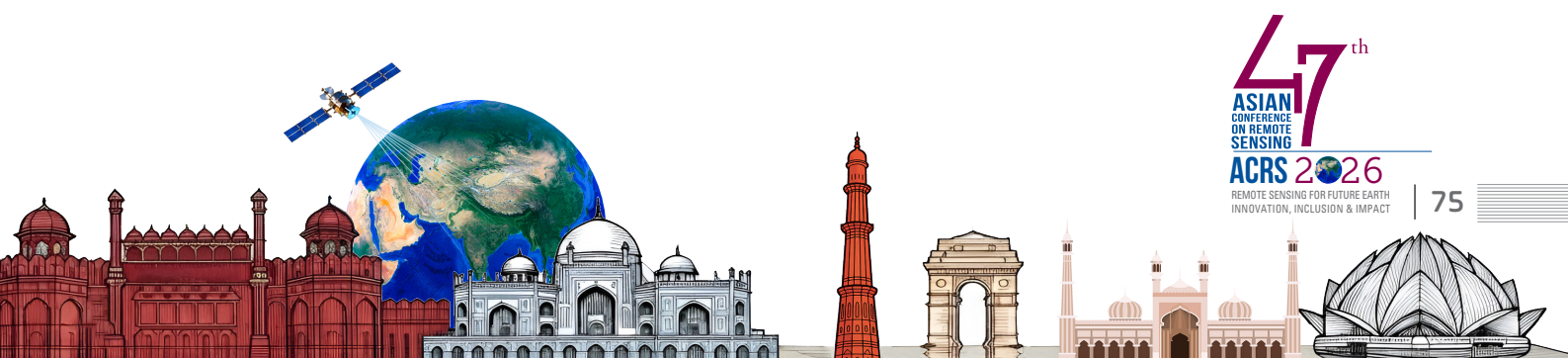
The programme has been carefully designed with a strong practical orientation, combining expert lectures, demonstrations, case studies, and hands-on exercises. Lectures and technical sessions will be delivered by scientists from the Indian Space Research Organisation (ISRO), who bring expertise in Earth Observation, remote sensing, geospatial technologies, and Artificial Intelligence. The programme is structured to enable participants to understand the concepts and then explore their implementation through practical exercises using real-world Earth Observation and geospatial datasets.

The programme offers a structured progression from the fundamentals of GeoAI, Earth Observation, and geospatial data preparation to advanced Artificial Intelligence techniques. Participants will explore machine learning, deep learning, and computer vision, including Convolutional Neural Networks, image classification, semantic segmentation, and object detection. The programme also covers emerging areas such as Generative Artificial Intelligence, Natural Language Processing, Earth Observation Foundation Models, and Agentic Artificial Intelligence. Together, these topics show how conventional and emerging AI approaches can be integrated into Earth Observation and geospatial workflows.

A key focus of the Summer School is bridging the gap between theory and practice. After the lectures, participants will work through selected workflows using Earth Observation and geospatial datasets. They will explore data preparation and model development, examine model outputs, and learn how to interpret and apply AI-derived results. Case studies will demonstrate GeoAI applications in disaster management, environmental monitoring, climate studies, urban applications, agriculture, and natural-resource management. The practical sessions will give participants hands-on experience applying AI methods to real-world geospatial problems.

As GeoAI evolves rapidly, the programme also stresses the importance of understanding AI's limitations and using it responsibly. Alongside exploring the capabilities of emerging methods, participants will be encouraged to consider data quality, model validation, uncertainty, reproducibility, interpretability, and responsible AI. This perspective is especially important in Earth Observation, where the quality and reliability of AI-derived information can shape scientific analysis and decision-making.

The Summer School aims to give participants a broad yet practical understanding of the GeoAI landscape and its relevance to Future Earth challenges. Through lectures by ISRO scientists, demonstrations, case studies, and hands-on sessions, the programme equips young researchers with knowledge and skills they can apply in their studies, research projects, and future careers. The accompanying compendium provides a reference to the concepts, methods, workflows, and applications covered during the Summer School, supporting continued learning beyond the programme.





ACRS 2026
47th ASIAN CONFERENCE ON REMOTE SENSING
"REMOTE SENSING FOR FUTURE EARTH - INNOVATION, INCLUSION & IMPACT"
12 - 15th OCTOBER, 2026 | HOTEL TAJ VIKANTA, GANAKA, NEW DELHI, INDIA



ISPRS STEP SUMMER SCHOOL 2026

GEOAI FOR FUTURE EARTH

LEARN • EXPLORE • INNOVATE • CONNECT



17 - 21
OCTOBER 2026



NEW DELHI, INDIA



SATELLITE
REMOTE
SENSING



ARTIFICIAL
INTELLIGENCE



BIG DATA
ANALYTICS



CLOUD &
DATA CUBES



DATA FUSION &
MODELLING

★ PROGRAM HIGHLIGHTS

- Expert Talks by Eminent Speakers
- Hands-on Training Sessions
- Interactive Workshops
- Networking Opportunities
- Case Studies & Group Activities
- Certificate of Participation
- Q&A and Panel Discussions

WHO CAN PARTICIPATE?

- Undergraduate (UG)
- Postgraduate (PG)
- Research Scholars
- Faculty Members
- Scientists & Academicians
- Industry Professionals
- Government Officials & Practitioners



PROGRAM FEE

Indian

₹ 10,000 INR

International

\$ 100 USD



INCLUDES

- Course Tuition Fee
- Accommodation (5 Days)
Twin-sharing AC Rooms
- Breakfast & Dinner
- Lunch & Refreshments
- Study Material
- Participation Certificate



REQUIREMENTS

- Must Carry a Laptop
- Completed Application Form
- Copy of ID/Passport
- Basic Knowledge of Programming



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Unique Geophysical Research institute of the country for Near Surface to Deep Earth Exploration

CSIR- National Geophysical Research (CSIR-NGRI) established in 1961, with a vision for the pursuit of earth science research, which strives for global impact and its application for optimizing sustainable societal, environmental, economic benefits for the Nation. CSIR-NGRI carries basic and applied research in the fields of Geophysics, Geology, Geochemistry and Geochronology

Overview

Research : From academic to field stations, research is lifeline of CSIR-NGRI. Excellent laboratory and infrastructure to carryout cutting-edge research in Hazard, Water, Energy, Geodynamics, Minerals. It is supported by High Computing facility.

Academic : A large number of PhD programs are running with vibrant campus life. It has two hostels with canteen facility.

Campus— Performances, events, fitness center, Club, gym facility and dispensary within the campus.

Knowledge Center : One of the largest libraries in India in Geosciences. It subscribes to 102 research journals and holds more than 20000 books.

Publications : ~ 5000 SCI research papers, ~ 1260 technical reports, more than 100 books, 31 patents.

Significant Achievements

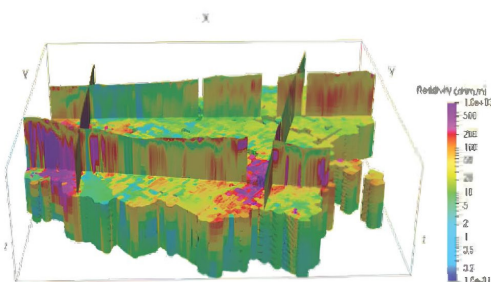
- Pioneer in Airborne Geophysical Research in India
- Gravity Map Series of India (GMSI)
- First indigenous airborne geophysical instruments
- Largest Seismological Network across the country
- Expertise of sub-Basalt imaging for oil and gas exploration
- Simulation of deep Earth processes and magnetic field

Future R&D

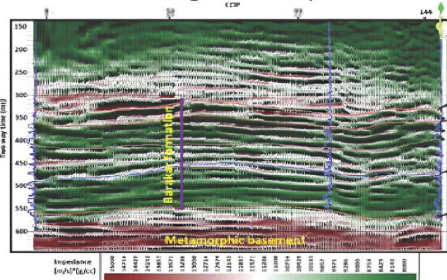
- ✓ **Geological Hazard Assessment** — Early Warning System
- ✓ **Water Security** — Sustainable Groundwater Resources Management
- ✓ **Energy Security**— Hydrocarbon, Uranium, Geothermal
- ✓ **Minerals**— Lithium and REEs
- ✓ **AI/ML** for Geosciences



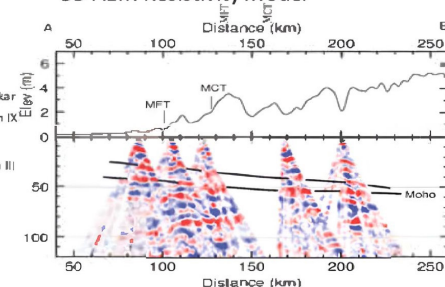
Drone based Magnetic Survey in Ladakh



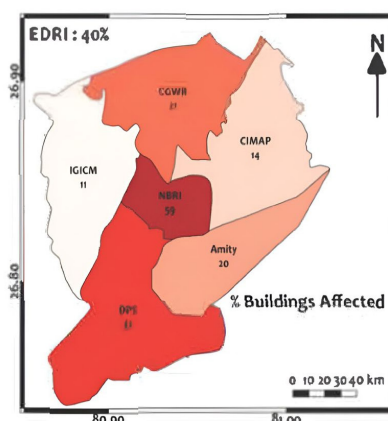
3D AEM Resistivity Model



3D Seismic Data for CBM Exploration



Seismic image of the Moho in Kashmir Himalaya



Earthquake Risk Map – Lucknow

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Contact us:

Dr. Shailesh Nayak

*Chairman, International Advisory Committee,
Former Secretary, MoES & Director, NIAS, Bengaluru*

Dr. Prakash Chauhan

*Chairman, National Advisory Committee
President, Indian Society of Remote Sensing,
Director NRSC, ISRO, Hyderabad*

Dr. Sameer Saran

*Chairman, Local Organising Committee
President, Indian Society of Geomatics (ISG),
DGM, RRSC-North, NRSC, ISRO, New Delhi*

Conference Secretariat:

Indian Society of Remote Sensing - Delhi Chapter
Regional Remote Sensing Centre – North,
National Remote Sensing Centre,
Indian Space Research Organisation Antariksh Bhawan,
Sadiq Nagar, New Delhi, India

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on Remote Sensing
(AARS)**



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(ISRS)**



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Geomatics
(ISG)**