

National Symposium on

Geospatial Technology: Journey from Data to Intelligence and

Annual Convention



In association with



15 - 17 NOVEMBER 2022 | HICC HYDERABAD



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https://geosmartindia.net/2022/index.html

Organised Jointly by







Hosted by

Indian Society of Remote Sensing, Hyderabad Chapter (ISRS-HC) National Remote Sensing Centre, ISRO, Hyderabad (www.nrsc.gov.in)

BACKGROUND

Indian Society of Remote Sensing (ISRS) and Indian Society of Geomatics (ISG), two premier professional bodies join together every year to organize a national symposium on relevant themes. This year, ISRS and ISG are jointly conducting its Symposium in collaboration with the Geospatial World to bring geospatial companies, regional industry and large-scale user organizations on-board. This year's theme "Geospatial Technology: Journey from Data to Intelligence" is selected after recognizing the growing shift from an emphasis on data and analysis to an emphasis on knowledge. Currently, the set of tools and methodologies, combining the satellite data with the design and use of models, are facilitating, enriching and supporting decision-making. Digital intelligence is paving the transition from sources of data to the creating of social or economic value. At present, digital intelligence is playing a vital link in connecting the geospatial technologies that generate data and true value creation for organizations.

The purpose of the symposium is to provide an excellent platform and opportunity to Remote Sensing and GIS professionals, Earth-observation service sector companies, policy-makers, entrepreneurs, researchers and students to exchange their research ideas and knowledge base, discuss the benefits for society and public/private sector interactions, formulation and implementation of policies, and discuss/debate on emerging issues and challenges.

CALL FOR PAPERS & ABSTRACT SUBMISSION

Original unpublished research papers, covering one or more sub-themes are invited for presentation. Authors may submit extended abstracts within 1000 words (a picture / figure will be considered as 200 words) in the prescribed format online through the symposium website. The last date for abstract submission is Oct 14, 2022. Abstract volume of the symposium shall be brought out in digital form. The selected papers will be invited for publications in special issue of Journal of ISRS (JISRS) after the peer-review process. The selection and invitation for full paper submission for JISRS will be made based on the evaluation in the symposium.

BEST PAPER / POSTER AWARDS

The best papers & posters in both student as well as general categories will be awarded from the papers/posters presented in the symposium.



ABOUT THE PROGRAMME

The registration of participants and dissemination of the information will be carried out through a dedicated website of ISRS (https://geosmartindia.net/2022/ISRS-programme.html) There will be sessions for various activities, viz., Inaugural Session, Plenary Sessions, Invited/Lead Talks, Theme-wise parallel Oral Sessions, Theme-wise poster Sessions etc. The programme will provide unique opportunity for exhibitors to showcase their innovations and upcoming trends in geospatial and allied industries as well as to carry out networking with dignitaries and delegates.

MAJOR SUB-THEMES

The main theme of this National Symposium is "Geospatial Technology: Journey from Data to Intelligence". Some of the major sub-themes are as follows:

- Natural Resources Monitoring and Accounting
- Decision support systems for e-governance
- Data Science, Artificial Intelligence and Machine Learning
- Start-up and Innovative geospatial technology
- Climate Risk and Climate resilience
- Sustainable Development Goals
- Microwave Remote Sensing for Natural resources and Disaster Management Services
- Atmospheric Trace gases and Aerosols
- Current and Future Satellite Missions for Environment Watch
- Cryosphere Processes and Climate Change
- Desertification, land degradation and Droughts

- Sensor Technologies and Data Processing (UAV, LiDAR, SAR, etc.)
- Agriculture, Water and Other Natural Resources Management
- Astronomy and Planetary Remote Sensing
- GNSS systems and applications
- Health GIS
- Ecosystem Accounting, Resilience and Restoration
- Satellite Meteorology
- Satellite Oceanography and Blue economy
- Advance Future Technologies for EO Missions
- Nurture Public & Private sector Partnerships
- Enabling the EO digital Transformation

PRE-SYMPOSIUM TUTORIAL (NOV 12-13, 2022)

To be conducted at National Remote Sensing Centre (NRSC)

Machine Learning and Deep Learning for Remote Sensing Applications Microwave
Remote Sensing:
SAR with
RISAT-1A

Recent trends in UAVs for Remote Sensing Applications

ANNUAL CONVENTION WITH UNIQUE ATTRACTIONS

Apart from paper presentations, a number of other professionally significant events are also lined up like the annual awards ceremony, Vikram Sarabhai Memorial Lecture, ISG Millennium Lecture, lead talks & plenary lectures by eminent experts, annual general body meetings of ISRS & ISG, etc. Besides technical presentations, other interesting features such as tours, exhibits, a cultural show, etc. will make the event an enriching, memorable and different experience for the participants.

REGISTRATION FEE

	Early Bird	After Nov 4 th 2022	On Spot Registration
ISRS/ISG Life members	Rs. 6500	Rs. 7500	Rs. 8000
Non-ISRS/ISG members (Government/Academia/ Non-Industry)	Rs. 7500	Rs. 8500	Rs. 9000
Non-ISRS/ISG members (Industry)	Rs. 8500	Rs. 9500	Rs. 10000
Students* & Senior Citizens	Rs. 4500	Rs. 5500	Rs. 6000
Students* & Senior Citizens (ISRS/ISG members)	Rs. 3500	Rs. 4500	Rs. 5000
Pre-symposium Tutorials**	Rs. 2500	Rs. 3000	Rs. 3500

^{*}It is mandatory for Students to produce their Valid ID card at the registration desk, else they will have to register with Rs. 6500.

Payment

Payment gateway will be available on symposium website. For other modes of payment, the required information will be provided on the symposium website. The organizing Secretary may also be contacted, if required.

ONLINE REGISTRATION

Interested participants may register online at the symposium website https://www.geospatialworld.net/geosmartindia/isg-isrs-2022/ISRS-registration.php on or before Oct 28, 2022 (early bird registration). Details regarding the online links for various sessions will be made available soon on symposium website. The operating languages of the symposium are English and Hindi.

About ISRS



Indian Society of Remote Sensing (ISRS) was established in 1969 with the main objective of advancement and dissemination of remote sensing technology in the fields of mapping, planning and management of natural resources and environment by organising seminars/symposium and by publishing a monthly journal (JISRS), bulletins, proceedings, books, etc. Starting with 56 members, the society has now grown into a premier professional body with membership of over 5910 member. Currently, ISRS is a member of the International Society of Photogrammetry and Remote Sensing (ISPRS) and Asian Association on Remote Sensing (AARS)

About ISG



Indian Society of Geomatics (ISG), established in 1993, is a premier society of professionals and institutions involved in promoting and popularizing Geomatics in India. It has about 2250 Life Members, 25 active chapters, 34 Patron members and 3 Sustaining Members. The ISG was formed by a group of professionals from government, academia, and industry with main objective of promoting the technology and pplications of Geomatics so that it becomes an important part of the information management and decision making processes. Apart from its Newsletter, ISG also has its own scientific journal, "Journal of Geomatics", started in year 2007.

About Geospatial World



Geospatial World which is a knowledge company dedicated towards advancing geospatial knowledge for sustainability. Our mission is to advocate the adoption of geospatial technologies in various areas of development of the community at large. We have been facilitating and promoting these technologies globally, through our print and online publications and national and regional conferences for the past two decades. We firmly believe that space and geospatial infrastructure,

^{**} Participants interested to register for both Pre-symposium tutorial(s) and Symposium are entitled for a discount of Rs. 1000/- on the total amount if fee is paid for both the events together.

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(Org. Secretary & Convener)

Dr. M. V. Ramana, Secretary, ISRS-HC & GH, CSG/ECSA, NRSC, Hyderabad.

Important Dates

Registration Opening on Aug 25, 2022

Last Date for Abstract Submission Oct 14, 2022

Intimation of Acceptance of abstracts: Oct 20, 2022

Last Date for Registration Nov 10, 2022

Submit abstract at

https://registration.geospatialworld.net/gsi/2022/submit-abstract.php

New Entrant - I-CON Awards

ISRS I-CON is an innovation contest for geospatial technology enthusiasts. It is initiated by Indian Society of Remote Sensing (ISRS) to encourage students, research scholars and professionals to promote the development and dissemination of open source- based innovative solutions in the field of remote sensing and spatial information technology. Submit nomination at

https://geosmartindia.net/2022/I-CON-awardsnominations.php Initiated by Sponsored by

ISRS



CALL FOR SPONSORSHIP

Sponsors and exhibitors will benefit from this unique online exposure to eminent delegates & decision makers involved in the broad field of remote sensing. For further information and discussions regarding sponsorship & exhibition opportunities, please contact: isrshc2022@gmail.com

THE CITY OF HYDERABAD

Hyderabad, the capital city of Telangana state, is fondly known as the City of Pearls. It is one of the best tourist destinations in India. November month will be very pleasant weather with temperature ranging 18° - 29°C and humidity of around 60%. Some of the important places to visit are Golkonda Fort, Salarjung Museum, Hussain Sagar Lake, Buddha Statue, Charminar, Ramoji Film city, famous pearl market. It is also a popular-choice to enjoy Hyderabadi biryani cuisine. To know about history of Hyderabad and tourist importance visit the website http://www.hyderabadtourism.in/

For accommodation details please visit symposium website

CONTACTS

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