

National Symposium
on
**Remote Sensing for Environment Monitoring & Climate Change Assessment :
Opportunities and Challenges**
and
Annual Convention
of
Indian Society of Remote Sensing (ISRS)
&
Indian Society of Geomatics (ISG)
December 18 - 19, 2020

Organised jointly by

Indian Society of Remote Sensing and Indian Society of Geomatics

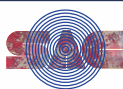
Hosted in online mode by

Indian Society of Remote Sensing, Ahmedabad Chapter (ISRS-AC) (www.isrs-india.org)

Indian Society of Geomatics, Ahmedabad Chapter (ISG-AC) (www.isgindia.org) and

Space Applications Centre, ISRO, Ahmedabad (www.sac.gov.in)

Symposium website : www.isrsns2020.in



Background

Indian Society of Remote Sensing (ISRS) and Indian Society of Geomatics (ISG), the two premier professional bodies join together every year to organise a national symposium on relevant themes. This year's theme is “**Environment Monitoring & Climate Change Assessment : Opportunities and Challenges**” which will provide opportunities to address the challenges of emerging climate change issues and need to monitor the environment through remote sensing. The recent outbreak of the COVID-19 pandemic has brought drastic changes in people's daily lives, work and the surrounding environment. Geostationary and polar orbiting satellites help in accurate and precise monitoring of various changes in global environment, which is important for decision makers to formulate and implement policies on city/town lock-down/unlocking, assessment of economic loss & environmental resilience and future directions for a safer human civilization.



Advanced developments in the earth observation technology and geomatics have accelerated their scope and usage in almost all spheres of human needs, environment protection and space exploration. The purpose of the symposium is to provide a platform to Remote Sensing and GIS professionals, academicians, researchers and students for discussions and debates on emerging issues and challenges. This symposium will be organised in online/virtual mode as per the new normal in the current COVID-19 scenario.



Call for Paper & 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Original unpublished research papers, covering one or more sub-themes are invited for presentation.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 November 20, 2020. Abstract Volume of the Symposium shall be brought out in digital form. The selected papers will be invited for publication in a 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 Program

The registration of participants and dissemination of the information will be carried out through a dedicated website of ISRSNS2020 (www.isrsns2020.in). There will be virtual sessions for various activities viz. Inaugural Session, Plenary Sessions, Annual General Body Meetings, Invited/Lead Talks, Theme-wise Parallel Oral Sessions, Theme-wise Poster Sessions etc. Links will be provided to all the registered participants well before the event. The program will provide a unique opportunity for exhibitors to display their products as well as to carry out networking with dignitaries and delegates.

Major Sub-Themes

The main theme of this National Symposium is “Remote Sensing for Environment Monitoring & Climate Change Assessment: Opportunities and Challenges”. Some of the major sub-themes are as follows:

- **Space Based Observations for Environment Monitoring**
- **Monitoring Environmental Changes due to COVID-19 Pandemic**
- **Extreme Environmental Conditions and Climate Change**
- **Atmospheric Trace gases and Aerosols**
- **Climate Change Indicators, Impact and Assessment**
- **Current and Future Satellite Missions for Environment Watch**
- **Early Signals of Climate Change and Mitigation Measures**
- **Cryosphere Processes and Climate Change**
- **Desertification, Land degradation and Droughts**
- **Disaster Management and Weather Forecasting**
- **Land-Ocean-Atmosphere Interaction: Science & Applications**
- **Sensor Technologies and Data Processing (UAV, LiDAR, SAR, Hyper-spectral etc.)**
- **Big Data Analytics, Data Mining and Advanced Algorithms**
- **Agriculture, Water and Other Natural Resources Management**
- **Forestry, Environment and Ecosystem Management**
- **Entrepreneurship development in the Field of Earth Observation: Technology & Applications**
- **Astronomical and Planetary Remote Sensing**
- **GNSS systems and 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 and ISG, etc. Besides technical presentations, other interesting features such as virtual tours, online display of exhibits, a virtual cultural show, presentations in Hindi etc. will make the event an enriching, memorable & different experience for the participants.

Online Registration

Interested participants may register online at the symposium website (www.isrsns2020.in) on or before November 20, 2020 (early bird registration). Participants are advised to avail early registration, as the number of online participants is kept limited. Details regarding the online links for various sessions will be made available on www.isrsns2020.in. The operating languages of the symposium are English and Hindi.

Registration Fee*

	Early bird	After Nov. 20, 2020
ISG/ISRS members	Rs. 200	Rs. 300
Non-members	Rs. 300	Rs. 400
Students & Sr. Citizens (Members)	Rs 100	Rs 200
Students & Sr. Citizens (Non-Members)	Rs 200	Rs 250

*Limited free registrations are available for Senior Citizens, Female Delegates and Students. For details, please visit ISRSNS2020 website and apply through the Free Registration Form.

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.

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/symposia and by publishing a monthly journal (JISRS), bulletins, proceedings, etc. Starting with 56 members, the Society has now grown into a premier professional body with membership of over 5500 members. Currently, ISRS is a member of the International Society of Photogrammetry and Remote Sensing (ISPRS).

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 Indian Society of Geomatics (ISG) was formed by a group of professionals from government, academia, and industry with the main objective of promoting the technology and applications 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 SAC

Space Applications Centre (SAC) is one of the major centres of the Indian Space Research Organisation (ISRO). It plays a key role in realising the vision and mission of ISRO. Located at Ahmedabad, SAC focuses on the design of space-borne instruments for ISRO missions and development and operationalisation of applications of space technology for societal benefits. The applications cover communication, broadcasting, navigation, disaster monitoring, meteorology, oceanography, environment monitoring and natural resources survey.

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Important Dates

Registration opening on	October 30, 2020
Last Date for Abstract Submission	November 30, 2020
Intimation of Acceptance of Abstracts	December 07, 2020
Last Date for Registration to the Symposium	December 10, 2020

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: sponsor.isrsns2020@gmail.com.

Contact

Conference Secretariat

Dr. D. Ram Rajak

Organizing Secretary, ISRS National Symposium 2020
Room No. 4104, Space Applications Centre (SAC), ISRO
Ahmedabad – 380015, India Phone: +91 79 2691 4104
Fax: +91 79 2691 5823 / 5862
Email: isrsns2020@gmail.com

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Coordinator

Sankalp Singh Sengar

Phone: 7905995187

Email: isrsns2020@gmail.com