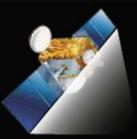## About Dehradun

Dehradun, the capital (temporary) city of Uttarakhand State is located at a distance of about 260 km by road from Delhi and is well-connected by air, rail and road. The city is famous for its picturesque landscape, pleasant climate, high-quality school education, and presence of several scientific organisations of national and international repute. Weather during March is generally pleasant with temperature range between 13°C - 28°C. Participants are advised to carry light woolen clothes. Places of religious and tourist importance, such as Haridwar, Rishikesh, Mussoorie, etc. are located in the vicinity of Dehradun.

Registration

The paper presenters/ authors should register themselves on IIRS website (*https://www.iirs.gov.in/seminar2020*) latest by February 23, 2020 and pay the registration fee.

Payment

Participants have to pay a nominal registration fee of Rs. 1000 (Rupees One Thousand only) per participant through IIRS website (*https://www.iirs.gov.in/seminar2020*) only after receiving the confirmation of acceptance of abstract, latest by February 23, 2020. Please send a copy of the bank receipt by email to *ursd@iirs.gov.in* along with full details.
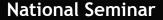

Important dates to remember:

Last date for Abstract Submission:	February 14, 2020 ~~January 31, 2020~~
Intimation of Acceptance of Abstract:	February 18, 2020 ~~February 7, 2020~~
Submission of Full Paper:	February 28, 2020 ~~February 14, 2020~~
Last Date for Registration to Seminar:	February 23, 2020 ~~February 14, 2020~~

For further details please contact:

Group Head, URSD
Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Government of India
4, Kalidas Road, Dehradun-248 001
E-mail: *ursd@iirs.gov.in*
Tel. (O) : +91 135 2524186, 2524187

National Seminar

on

Recent Advances in Geospatial Technology & Applications

For Post-graduate Students and Research Scholars

March 2, 2020

Dehradun

iirs

Jointly organised by

Indian Institute of Remote Sensing
&
Indian Society of Remote Sensing
(Dehradun Chapter)

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Hosted by
Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Govt. of India
Dehradun
www.iirs.gov.in

Background

Over the years, geospatial technology has been making phenomenal impact on its utilisation in different fields related to natural resources management, sustainable development, disaster management, environmental applications and more recently in good-governance and development. The advancements in space based communication, navigation & earth observation technology both at global as well as national level have further accelerated its usage while increasing the scope in almost all possible applications catering to the human needs, protection of environment and in exploring outer space.

The Seminar will focus on recent advancements made in geospatial data analysis and predictive modeling. As large amount of Earth Observation along with in-situ data is being generated, the advance geospatial data processing tools and techniques need to be developed. The plethora of spatiotemporal and dynamic data, and location-aware computing offer immense opportunities for research in geospatial analysis and predictive modeling. It is also essential to develop tools and techniques for big data analytics (data cube, data mining, etc.) as the data volume is expected to increase further. Advances in WebGIS tools and techniques are also required for making timely dissemination of value added products to various users and public at large.

The Indian Institute of Remote Sensing (IIRS) is organising this Seminar in collaboration with Indian Society of Remote Sensing (ISRS), Dehradun Chapter. The Seminar is open for participation by Post-graduate students, and Research Scholars pursuing Doctoral or Post-Doctoral studies from various academic and research Institutes/ Universities/ Colleges in India. As we are organising the IIRS Academia Meet-2020 (IAM-2020) on the subsequent day (March 3, 2020), the seminar participants may also have the opportunity to participate in IAM-2020 on invitation.

Technical Programme

The programme includes deliberations on recent advances in geospatial data analysis and predictive modeling useful for natural resources management, disaster studies and for good-governance and development. Some eminent speakers shall also be invited to enlighten the audience towards upcoming trends in geospatial science and technology. The papers shall be presented in oral and interactive session under following themes-

- **Theme-1**: Geospatial Technology & Recent Advances
- **Theme-2**: Geospatial Applications in Agriculture, Soils and Forestry Sciences
- **Theme-3**: Geospatial Applications in Atmospheric & Marine Sciences
- **Theme-4**: Geospatial Applications in Geosciences and Disaster Management
- **Theme-5**: Geospatial Applications in Urban & Regional Development
- **Theme-6**: Geospatial Applications in Water Resources

Participation

Participation is invited from Post-graduate students, and Research Scholars pursuing Doctoral or Post-Doctoral studies from various academic and research Institutes/ Universities/ Colleges in India.

Submission of papers

Abstracts of original research papers covering above themes are invited for presentation (either oral or poster) in the Seminar. The abstract not exceeding 500 words has to be submitted electronically to the Seminar Secretariat (*https://www.iirs.gov.in/seminar2020*) latest by February 14, 2020. Abstracts will be reviewed by Seminar Committee for selection and author(s) will be informed about acceptance and presentation either in oral or in interactive session latest by February 18, 2020.

The deadline for submission of full paper based on accepted abstract is February 28, 2020. The full length papers should be prepared according to ISPRS guidelines for preparing manuscripts (*http://www.isprs.org/documents/orangebook/app5.aspx*) and should not exceed 8 pages in length. Abstract volume and Seminar Proceedings shall be brought out in digital form. The program schedule shall be informed to all paper presenters and themes shall be finalised depending on the response.

About Indian Institute of Remote Sensing

Indian Institute of Remote Sensing (IIRS) is a constituent Unit of Indian Space Research Organisation (ISRO), Department of Space (DoS), Govt. of India (GoI). Since its establishment in 1966, IIRS has been a premier Institution and key global player for capacity building in the field of geospatial technology and its applications through training, education and research. The training and education programmes of the Institute are designed to meet the requirements of professionals at various working levels, fresh graduates, researchers, academia, and decision makers. IIRS is also one of the most sought after Institute for conducting specially designed courses for the officials of Central and State government ministries and stakeholder departments for the effective utilisation of Earth Observation (EO) data. IIRS also organises on-demand tailor-made short courses.

To widen its outreach, IIRS has started live and interactive distance learning programme (DLP) since 2007. As on today, 1012 Universities/ Colleges and other organisations are networked with IIRS and about 1,10,000 participants have attended various basic and advanced courses conducted so far. IIRS has also launched e-learning courses on Remote Sensing and Geoinformation Science since August, 2014. Efforts are underway to develop the e-learning contents for various Remote Sensing and GIS applications.

The Institute has a strong, multi-disciplinary and solution-oriented research agenda that focuses on developing improved methods/ techniques for processing, visualisation and dissemination of EO data & geo-information for various societal applications and better understanding of Earth's system processes. The processing and applications of microwave, hyperspectral and high-resolution EO data are main research focus. The state-of-the-art laboratory and field-based instrumentation and observatories network help meeting the research goals and objectives.

IIRS hosts headquarters of Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP), affiliated to the United Nations, and provides support in conducting Remote Sensing and GIS training & education programmes. IIRS also plays a key role in the activities of Indian Society of Remote Sensing (ISRS), which is one among the largest non-governmental scientific societies in the country.