

## PAYMENTS

All payments towards the registration fee/accommodation/exhibition charges/ company presentation and sponsorship are to be sent through demand draft drawn in favour of "ISG-Shillong Chapter", payable at Barapani/Shillong, Meghalaya along with duly filled in registration form. Payment can also be made online @ IFSC SBIN002010 A/C 33843902278 MICR 793002522 State Bank of India, Barapani Branch, Ri Bhoi, Meghalaya.

## INDUSTRY PRESENTATION

Special session is planned to provide platform to the industries, NGO, and entrepreneurs to highlight their products and services and introduce new products. The charge for each presentation of 15 minutes duration will be Rs. 25,000/- only.

## GEOMATICS EXHIBITION/DISPLAY

An exhibition of products/services from various manufacturers/organizations will be held at conference venue. The exhibition envisaged to provide a forum for Interaction between participants and service organizations. Manufacturers of hardware, software and service providers for space technology, remote sensing, photogrammetry, GIS, GPS, satellite communication and navigation are invited to participate in the exhibition. Vendors can book multiples of unit (each 3X3 meters for exhibition space) @Rs. 50,000/- per unit. There will be two free registrations per unit booked. Interested companies should contact the Organizing Secretary (isg.shillong2014@gmail.com) for further details.

## ABOUT THE HOSTS

NESAC was established in September 2000 at Umiam, Meghalaya as an autonomous institution under Department of Space (DOS), jointly with North Eastern Council (NEC). The Centre has completed thirteen years of dedicated service to the North Eastern (NE) States using SATCOM, Atmospheric Science and RS & GIS techniques especially in the field of disaster management. On July 2011, North Eastern Regional node for Disaster Risk Reduction (NER-DRR) has been set up by Dr K Radhakrishnan, Chairman, ISRO at NESAC to provide scientific solution towards disaster management to the entire region.

North-Eastern Hill University was set up by an Act of Parliament and notified on 19th July 1973 to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to pay special attention to the improvement of the social and economic conditions and welfare of the people of the hill areas of the North-eastern region, and in particular, the intellectual, academic and cultural advancement. North-Eastern Hill University is a University with Potential for Excellence, NAAC Re accreditation (2009) with 'A' Grade. At present there are 63 undergraduate colleges affiliated to the University including eight professional colleges. The number of students turning for their Master's degrees and research students

working for their M.Phil. and Ph.D. degrees is close to 4000. Faculty strength of the university is just over 320. In a short span of 39 years, NEHU has matured into an institution with a serious academic and social and cultural agenda and a clear vision for its future growth.

## HOW TO REACH

The participant can reach NEHU/NESAC by road from airport/railway station/interstate bus terminus situated in Guwahati city (approximately 80 km from Shillong).

## ABOUT UMIAM AND SHILLONG CITY

Weather will be pleasant with temperature varying between minimum 15°C to maximum 27°C and relative humidity ranging from 70 to 99%. The city is famous for its various places of tourist attractions, viz, Shillong Peak, Elephant Falls, Butterfly Museum, Wards Lake, Barapani Lake, Polo Ground. Cherrapunji, Mawlynnong, the Asia's cleanest Village and Mawsynram is located in 2 to 4 hours drive from the city.

## BEST PAPER AWARD

Two best papers presented in the conference-one for student category and other for general category are awarded by the society on the recommendation of the expert committee, each comprising a certificate and cash prize.



Aerial view of NEHU campus

## Regional Conference on Geoinformatics for Early Warning of Disasters with Special Emphasis on NE Region and / Pre Symposium Tutorial on Early Warning System for Floods

### Registration Form for Conference/Pre Conference Tutorials

Name of the Participant .....

Designation .....

Address.....

.....

.....

Email:.....

Contact No:.....

Participation: 1. Conference 2. Tutorial 3. Both

Title of the Paper.....

.....

Whether ISG member : Yes/NO

Category : Student/Senior Citizen/Others

Accommodation Required : Guest House/Rest House/Hotels\*

Reg. Fee Rs : +Other Tariff

( )

DD. No. .... Date .....

Paper Presentation.....Oral/Poster .....

Date and time of arrival

Signature

Place .....

Date .....

(Xerox copy of the form is acceptable)

## Regional Conference on Geoinformatics for Early Warning of Disasters with Special Emphasis on NE Region

September 18-19, 2014

&

## Pre-Conference Tutorial on Early Warning System for Floods

September 17, 2014



Organized by

Indian Society of Geomatics

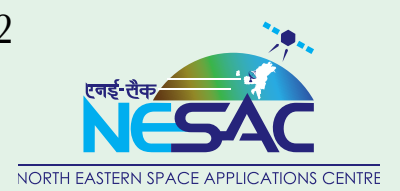


Hosted jointly by

Indian Society of Geomatics - Shillong Chapter,  
North Eastern Space Applications Centre, Department of Space,  
Govt. of India, Umiam-793103, Meghalaya

&

North-Eastern Hill University  
Shillong-793022





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- ❖ Dr. Bijoy K. Handique, NESAC and Treasurer, ISG Shillong Chapter

## CONTACT PERSON

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For updated news visit: [www.isgindia.org](http://www.isgindia.org) | [www.nesac.gov.in](http://www.nesac.gov.in) | [www.nehu.ac.in](http://www.nehu.ac.in)

## BACKGROUND

Indian Society of Geomatics (ISG), established in 1993, is a premier Society of professionals and institutions involved in promoting and popularising Geomatics in India. It has 16 Regional Chapters located at Ahmedabad, Ajmer, Bhopal, Chennai, Delhi, Hyderabad, Mangalore, Mumbai, Mysore, Pune, Tiruchirapalli, Vadodara, Kashmir, Bhagalpur, Visakhapatnam and Shillong. The ISG website is [www.isgindia.org](http://www.isgindia.org). ISG regularly brings out a peer-reviewed journal named "Journal of Geomatics". The journal covers all aspects of Geomatics, geodata acquisition, pre-processing, processing, analysis and publishing. Broadly this implies inclusion of areas like GIS, GPS, Photogrammetry, Cartography, Remote Sensing, Surveying, Spatial Data Infrastructure and Technology including hardware, software, and algorithms and modelling. ISG organizes regional Conference at various far off places through its Chapters on themes relevant to those regions. This year ISG-Shillong Chapter along with North Eastern Space Applications Centre (NESAC) and North Eastern Hill University (NEHU), Shillong are hosting the Regional Conference titled, "Geoinformatics for Early Warning of Disasters with special emphasis on NE Region", to be held at NEHU, Shillong during September 18-19, 2014. The Conference is preceded by one day Tutorial on "Early Warning System for Floods" on September 17, 2014 at NESAC, Shillong.

## MOTIVE

All components of space technology viz., earth observation, satellite communication and navigation play important roles in disaster monitoring and mitigation. While geo-stationary satellites have been able to provide constant surveillance and facilitate providing early warning for some of the meteorological events such as tropical cyclones, polar sun-synchronous satellites have provided global coverage data with adequate spatial and spectral resolution for detecting and monitoring various disaster events. Early warning of disasters is one of the key area of research using space technology.

North Eastern Region (NER) of India, which is a part of Extra-Peninsula is of geologically recent origin and is still active in terms of geological activities. The unique combination of topography and geology, which has undergone different stages of deformations, made this region vulnerable to various types of natural hazards most importantly earthquake, landslide & subsidence. Every year this region also experiences cloud burst, thunderstorm, cyclone, floods, etc damaging lots of properties and life. Many of these intricate processes are yet to be understood for reducing associated risks to life & property. The Regional Conference addresses some of the recent trends in early warning of the natural disasters using space technology with particular emphasis on applications of geoinformatics in early warning of major disasters frequently occurring in the North Eastern Region.

The regional Conference shall provide an opportunity for interaction among professionals and concerned Departments engaged in disaster management, in particular for disaster risk reduction in the North-Eastern Region. The Conference/Tutorials shall also be useful to young researchers/students to

interact with concerned experts working in the field of applications of space technology in disaster management and also help them in deciding their future research areas and research objectives.

## THEMES

The Theme of the Conference primarily addresses applications of space technology in early warning of disasters and in particular those occurring in the North-Eastern Region. It covers advancements in Earth Observation, Communications and Navigation satellites, data analysis techniques, development of early warning systems/models for various disasters, gap areas and future prospects. The proposed conference will cover but not restrict to the following broad themes-

- ❖ Earth Observation Missions for Early Warning of Disasters
- ❖ Role of Communications and navigational satellites in disaster management
- ❖ Disaster Management in North-East India - Issues and Challenges
- ❖ Early Warning and Flood Management in NE Region
- ❖ Earthquake Precursors
- ❖ Landslides hazard zonation and Early Warning
- ❖ Cyclone, Drought, Forest-Fire, Land degradation
- ❖ Development of early warning systems for various hazards
- ❖ Urban/Regional Planning vis-à-vis Natural Disasters
- ❖ Village Information System & infrastructure
- ❖ Disaster Risk Reduction & Rehabilitation
- ❖ Climate change and Hazards/Disasters
- ❖ Preparedness to address the natural hazards to the NE segment of India
- ❖ Biodiversity and Early Detection of Endangered Species
- ❖ Technological Trends in Geomatics
- ❖ Geoinformatics for Industries and Business

## PRE-CONFERENCE TUTORIAL

The Conference is preceded by one day Tutorial on "Early Warning System for Floods" on September 17, 2014. The Tutorials shall comprise of invited lectures by experts working in the field of applications of space technology and geoinformatics in developing early warning systems for floods and related demonstrations and hands on. Students, Research Scholars, Faculty Members of Colleges, Research Institutes etc are encouraged to attend the pre-Conference Tutorial.

## CALL FOR PAPERS

Original research papers, covering one or more of the conference topics are invited from the scientists, scholars, academicians, industry, private and public institutions. Extended abstracts of the topic, not exceeding 1000 words can be submitted online through email: [isg.shillong2014@gmail.com](mailto:isg.shillong2014@gmail.com) by 31st July, 2014 along with registration details. Full length manuscript of the paper is to be submitted on line by 31st August, 2014 after receiving acceptance intimation of the abstract as per format of the JOG.

## IMPORTANT DATES

Abstract Submission/Registration	31st July, 2014
Registration for Pre Conference Tutorial	31st July, 2014
Paper Acceptance Intimation	15 August, 2014
Submission of Full Paper	31 August, 2014
Date of Pre Conference Tutorial	September 17, 2014
Conference dates	September 18-19, 2014

## REGISTRATION FEE

### Conference:

For ISG members	Rs. 1500/-
For Non ISG members	Rs. 2000/-
For students and senior citizens	Rs. 750/-
For spouse/accompany	Rs. 1000/-

### Tutorials:

For ISG members	Rs. 750/-
For Non ISG members	Rs. 1000/-
For students and senior citizens	Rs. 500/-
For spouse/accompanying person	Rs. 500/-

Registration of participants will cover, sponsored lunch, welcome dinner, conference/Tutorial materials, Conference kits. Registration form is available at [www.nesac.gov.in](http://www.nesac.gov.in) and last date for registration is 31.07.2014.

## ACCOMMODATION

Limited accommodations are available in the University Guest House and Hostels which can be provided on University rates. Arrangement of stay in hostels can be made for outstation participants on advance payment of tariff along with registration fee. For further information please visit ISG website.

