



National Conference on Flood Early Warning for Disaster Risk Reduction

Jointly Organised by



National Remote Sensing Centre
Indian Space Research Organisation
Department Of Space , Govt. of India



Central Water Commission
Ministry of Water Resources,
River Development & Ganga Rejuvenation



Under National Hydrology Project

30-31 May 2019
Hotel GreenPark, Hyderabad

Background

Significant technological advancements have been witnessed in the recent past in the area of flood disaster risk reduction. Spatial flood early warning is one among them, which is gaining momentum due to availability of space based inputs, high resolution Digital Terrain Models, advanced modelling softwares, and high end computing systems. There is need to discuss & debate the ideas on the technological trends in flood early warning system development. In view of this, it is proposed to organise a National Conference on “Flood Early Warning for Disaster Risk Reduction” jointly by National Remote Sensing Centre, ISRO, and Central Water Commission, MoWR, RD & GR under National Hydrology Project during 30-31 May 2019.

About NHP: National Hydrology Project is to improve the extent, quality and accessibility of water resources information, and to strengthen the capacity of water resources management institutions in India.

Objective

To bring synergy amongst researchers and modelers on the latest technological developments on flood early warning and to discuss on the methodological aspects, database requirements, scale, etc to upscale the activity at National level.

Call for Papers

Papers are invited covering recent trends in the identified themes with focus on innovative technologies. The authors are requested to submit an abstract of their research work of not more than 500 words for review. The soft copy of the abstract/paper should be submitted online through conference website (http://nhp.mowr.gov.in/NRSC_conference/Default.aspx). The authors will be notified the acceptance of the abstract after review by the technical committee. The final manuscript must be submitted as per the given format. It is proposed to bring proceedings of the conference comprising the selected peer-reviewed papers.

Important Dates

Submission of abstracts	April 05, 2019
Acceptance of abstracts	April 12, 2019
Submission of final papers	April 26, 2019
Acceptance of final papers	May 10, 2019

Target audience

Scientists, engineers, managers, flood disaster management authorities, decision makers working in the field of flood early warning/flood disaster studies and in the specified themes as given below.

Themes

The conference shall deliberate on the following themes for best technological solutions to flood disaster risk reduction in the country.



Flood Early Warning: Flood forecasting, Hydrological modeling methods and approaches; Issues and challenges in flood early warning, Reservoir operations, GLOF, Dam Break, Hydro-meteorological network in India, etc.



Spatial Flood Early Warning: Spatial flood inundation simulations; 2D simulations; Storm surge modeling, Challenges and issues, role of high resolution digital elevation models, etc.



Urban Flood Modeling: Technological trends in urban flood Modeling and early warning; cause of urban flooding, role of Doppler Weather Radar data in urban hydrology, ground instrumentation, data constraints, etc.



Climate Change Impact: Extreme hydro-meteorological events now and in future; flash floods forecast; role of satellite based rainfall forecast products and its accuracies, climate change impact on extreme events, etc.



Emergency Preparedness: Role of satellite communications, satellite remote sensing, spatial database, Sensors & ground instrumentation, disaster risk reduction techniques, field experiences, etc.

Registration

There is no registration fee for attending the conference. However, the participation is by invitation only (selected paper presenters, invited speakers, field experts, experts working in flood disaster management, State and Central Disaster Management Authorities, concerned NHP stake holders, and decision makers).

About Hyderabad

Hyderabad is the capital city of of Telangana State. The city was founded by Muhammad Quli Qutub Shah in 1591. The city is located on the Deccan Plateau and it is the fifth largest city of India. The city of Hyderabad is known for pearls, Kalamkari handicraft, Kuchipudi dance, cuisines etc. Hyderabad offers a variety of tourist attractions and it is like a treat for lovers of history, art, architecture with several ornate tombs, palaces and mosques adorning the old city. HITEC City is an Information Technology, Engineering, Health informatics and Bioinformatics campus in the suburbs of Hyderabad, Ranga Reddy district, India.



The Hosts

NRSC: National Remote Sensing Centre, Hyderabad under Indian Space Research Organisation is responsible for remote sensing satellite data acquisition, processing, data dissemination, aerial remote sensing, application and decision support for disaster management.

CWC: Central Water Commission under the Ministry of Water Resources, River Development and Ganga Rejuvenation is an apex body for formulation and administration of rules and regulations relating to the development and regulation of water resources in India

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