TROPMET 2024

National Symposium

on

Recent Advances and Challenges in Understanding and Predicting High-impact Weather and Climate Extremes over Indian Subcontinent in the Climate Change Context

10th - 12th December 2024
National Institute of Technology Rourkela, Rourkela, Odisha

Organised by

Indian Meteorological Society

Jointly hosted by

Department of Earth and Atmospheric Sciences, National Institute of Technology Rourkela, Rourkela

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Indian Meteorological Society Rourkela Chapter

TROPMET is a series of national conferences organized annually by the Indian Meteorological Society (IMS). This year TROPMET will be jointly hosted by the National Institute of Technology (NIT) Rourkela, and IMS Rourkela chapter, at Rourkela, Odisha, from 10-12 December 2024. TROPMET series have received generous support from several government and private agencies in the past, and efforts are underway to seek their sponsorship this year. The TROPMET-2024 focuses on High Impact Weather and Climate Extremes over the Indian Subcontinent. Extreme weather and climate events have increased in frequency and severity due to human-caused climate change. Such extremes have far-reaching effects on many areas, including ecosystem damage, human health, and biodiversity. These extreme weather events affect both social and economic sectors, and society needs better risk assessments and earlier alerts for these high-impact weather extremes. TROPMET-2024 will provide an opportunity to exchange the ideas among various stakeholders. Keeping this in view, TROPMET-2024 deliberates on the following subthemes:

- In-situ and space-based observational and monitoring aspects of extreme weather and climate events
- Diagnostics and numerical modelling of extreme weather events over the Indian subcontinent
- Impact of land use and land cover changes on extreme weather and climate events
- Impact of large-scale climate modes on weather extremes (e.g., ENSO, IOD, MJO, etc.)
- Climate data analysis, assessments and projections
- Analysis and prediction of weather and climate extremes using AI/ML/DL techniques etc.
- Early warning systems, mitigation, preparedness and response actions for weather and climate extremes in disaster risk reduction
- Air Pollution Interactions with weather extremes
- Impact of weather extremes on Agriculture, livestock, fisheries including climate change and climate variability
- Attribution of weather extremes to climate change aspects
- Developments of innovative and indigenous met-sensors and ocean technologies
- OSI Special Session on Role of oceanic and atmospheric processes in the development of weather and climate extremes

REGISTRATION FEES

CATEGORY	BY 18th November 24	ON SPOT
IMS/OSI Members	₹ 3000/-	₹ 4000/-
Non-IMS/OSI Members	₹ 4000/-	₹ 5000/-
Scholars/Students	₹ 1000/-	₹ 1500/-
Post-Doctoral Researchers	₹ 2500/-	₹ 3000/-
Industry Exhibitions	₹ 100000/- onwards	
Associated Persons	₹ 4000/-	₹ 4500/-

The Registration Fee can be paid through multiple payment options such as net banking or UPI/bank drafts. There is no registration fee for Honorary Fellows and Fellows of the IMS/OSI.

TRANSPORT AND ACCOMMODATION

TROPMET-2024 has limited resources for offering travel and accommodation support, and all participants are expected to secure support from their own sources. However, some support may be extended to a few case-to-case basis subject to the availability of resources, with priority given to IMS members with no affiliations and students without financial support.

Industry Presentation & Exhibition Special sessions are planned to provide a platform for industry/entrepreneurs. A presentation slot of 15 to 20 minutes duration will be allowed for selected industry/entrepreneurs. Provision is also made for vendors to exhibit their products and services.

Best Paper Award

The best paper award in the student category (lead author of the paper/poster must be a student) will be given to the selected papers presented.

More Details about TROPMET 2024 can be found at
https://www.tropmet2024.in/

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