2023 IEEE India Geoscience and Remote Sensing Symposium [InGARSS 2023]
Date: December 10 to 13 2023,
Venue: International Institute of Information Technology Bangalore, Bangalore, India
https://ingarss.org/ | ingarss2023@gmail.com

CALL FOR PAPERS IN THE RESEARCH TRACK

IEEE GRSS Bangalore Section is excited to organize the flagship IEEE GRSS regional conference 2023 IEEE India Geoscience and Remote Sensing Symposium (InGARSS) under the patronage of the International Institute of Information Technology Bangalore and IEEE Bangalore Section. The conference features outstanding keynote speakers, high-quality peer-reviewed research papers reporting original contributions, special sessions highlighting state-of-the-art research and technologies, doctoral colloquium, IEEE Bangalore Section inter-society collaborative event, industry track, WiE/DEI track, YP track, exhibits, and invited sessions on STEM in geoscience and remote sensing and social entrepreneurship.

InGARSS is aimed at providing a platform for sharing knowledge and experience on recent developments and advancements in geoscience and remote sensing technologies, particularly in the context of earth observations, and disaster monitoring, relevant to the Indian subcontinent, and others. This is the third edition of the regional GRSS conference series, InGARSS. The first two being in 2020 and 2021, were conducted online owing to the pandemic. Thus, this is the first in the series to be conducted in-person with limited option for online participation.

We solicit high quality research papers for both oral and poster presentations and for inclusion in InGARSS 2023 proceedings.The topics of interest for InGARSS 2023 include the following topics for research track, but not limited to:
- Sensing Methods
  - Radar remote sensing and processing
  - LiDAR remote sensing
  - Microwave radiometry
  - Calibration and validation of satellite sensor systems
  - UAV and airborne remote sensing
- Data Science Methods
  - Machine learning and deep learning for remote sensing
  - Fusion of machine learning and physical models
  - Explainable and interpretable machine learning in Earth Observation applications
  - Data assimilation
  - Remote sensing data fusion and integration
  - Hyperspectral and multispectral image analysis
  - Remote sensing data acquisition and processing
  - Satellite Image classification and segmentation
  - Change detection and land use/land cover mapping
- Applications
  - Urban remote sensing
  - Environmental monitoring and assessment
  - Applications for climate change, sustainable development goals, and geoscience

- ○ Atmosphere remote sensing and applications
- ○ Ecological applications & Ecosystem services
- ○ Agriculture and forestry applications
- ○ Analysis and characterization of soil properties
- ○ Cryosphere, snow, ice and glacier applications
- ○ Oceanography and marine science applications
- ○ Disaster management and mitigation
- ○ Planetary remote sensing
- ○ Remote Sensing for Societal Engagements and Impacts
- ○ Remote Sensing for Education and Policy

SUBMISSION

Select the most appropriate theme relevant to your submission from the following options while submitting your paper via EasyChair: "General Theme- Sensing Methods", "General Theme-Data Science Methods", and "General Theme-Applications".

The paper has to be formatted as per the instructions in "Author Guidelines" in the website.

SUBMISSION LINK

https://easychair.org/my/conference?conf=ingarss2023

IMPORTANT DATES

Paper submission opens	April 15, 2023
Paper submission deadline	August 22, 2023
Registration opens	September 01, 2023
Author notification	September 20, 2023
Final camera ready submission	September 30, 2023
Author registration closes (same as early bird registration closure)	September 30, 2023
Research track presentations (main conference)	December 11-13, 2023

Preconference for tutorials and doctoral colloquium: December 10, 2023

PUBLICATION

Prospective authors can submit their original paper by following the guidelines on the conference webpage for research track (https://ingarss.org/research-track/). All papers will undergo single-blind peer review, and accepted papers will be submitted to IEEE for publication in IEEEXplore **(IEEE Conference Record # 59135)**. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

For further information on conference and technical progra,, please visit https://ingarss.org
For enquiries, please contact us at ingarss2023@gmail.com

We hope to see you in Bangalore, India.

- InGARSS 2023 Organizing Committee

Technical Program Chairs

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