



# MIGARS 2023



## International Conference on Machine Intelligence for GeoAnalytics and Remote Sensing

27-29 January, 2023 | Hyderabad | India

Technically Co-Sponsored by IEEE GRSS



Machine Intelligence for GeoAnalytics and Remote Sensing (MIGARS) 2023 is the first of its kind effort aimed at exploring the confluence of advances in machine intelligence (MI) approaches, geoscience, geoanalytics (GA), and remote sensing (RS). Thanks to the revolutionary developments in remote sensor technology, data acquisitions have grown leaps and bounds to stream and are too big by volume, variety, and veracity. The challenge is handling, processing, and automating geo-data from various sources such as multi-platform RS sensors and IoT devices, making intelligent decisions on the fly. The focus of the conference is to connect researchers from computing, MI, GA, and RS domains and look for the potential use of intelligent computational approaches for geo-data based applications and serve society at large. This conference is technically co-sponsored by the IEEE Geoscience and Remote Sensing Society (GRSS), and ACM Hyderabad Deccan Chapter.

## Call for Papers

We invite original contributions in the form of full papers and posters on the following topics (list is not exhaustive)

### Topics

- Multispectral & hyperspectral remote sensing
- Microwave remote sensing
- LiDAR remote sensing
- UAV-based remote sensing
- Monitoring and damage assessment of natural disasters and hazards
- AI applications in agriculture, hydrology, forest, environmental monitoring etc.
- Atmosphere and ocean
- Mission, Sensors and Calibration
- Statistical machine learning
- Deep learning
- Evolutionary computing
- Computational intelligence
- Uncertainty quantification in geoscience and remote sensing
- Data analysis and spatial data visualization
- Temporal data analysis, prediction, time series analysis
- Expert systems
- Big data applications
- Geospatial data analytics
- Climate informatics
- Training and capacity building in geoscience and remote sensing

### Important Dates

|                                   |                  |
|-----------------------------------|------------------|
| Paper Submission Open:            | Jul. 1, 2022     |
| Paper Submission Deadline:        | Sept. 15, 2022   |
| Notification of Acceptance:       | Oct. 30, 2022    |
| Registration Open:                | Nov. 1, 2022     |
| Early Bird Registration Deadline: | Nov. 20, 2022    |
| Registration Close:               | Nov. 30, 2022    |
| Final Camera-Ready Submission:    | Dec. 10, 2022    |
| Conference Dates:                 | Jan. 27-29, 2023 |

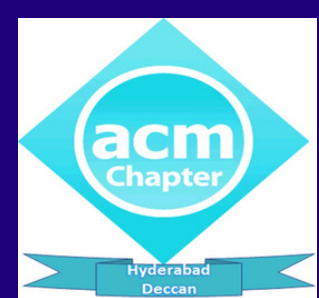
### Publication & Indexing

- All the accepted and presented papers will be published in the proceedings of IEEE and will be uploaded to IEEE Xplore.
- Authors of outstanding papers will be invited to submit extended versions to Special Issues to appear in IEEE GRSS journals.

### Paper Submission



Also Technically Co-Sponsored by  
ACM Hyderabad Deccan Chapter







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### Student Travel Grants:

- Swastika Chakraborty, Narula Institute of Technology, Kolkata, India

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