



ISG-ISRS National Symposium 2025

on

“Geomatics and space innovations towards Atmanirbhar Bharat: Insights and Frontiers”

PRE – SYMPOSIUM TUTORIAL

Venue: Regional Remote Sensing Centre - East, ISRO, Kolkata, West Bengal

Program Schedule

Day - 1		Sunday 23-Nov-2025		
		Inaugural Session Schedule (Conference Room)		
13:59 – 14:01 hrs		Welcome to the Participants - DGM		
14:01 – 14:03 hrs		Self-Introduction of Participants		
14:03 – 14:05 hrs		About the Course – MD Behera		
14:05 – 14:18 hrs		Remarks by Course Instructors/ Arrangement INFO by Tanumi & B Sharmistha		
14:18 – 14:23 hrs		Inaugural Address – CGM		
14:23 – 14:29 hrs		Vote of Thanks - Head, RC East		
		Tutorial – I	Tutorial – II	Tutorial – III
		Geospatial Innovation through Bhuvan: Applications, Tools, and Use Cases	SAR Remote Sensing and Data Analysis with Advanced Techniques and Applications	Terrestrial Laser Scanning (TLS)
14:29 – 15:59 hrs	Introduction to Bhuvan GeoPlatform	Emerging Techniques in SAR Remote Sensing and Its Applications	Fundamentals of LiDAR Remote Sensing and Terrestrial Laser Scanning	
15:59 – 16:14 hrs		Tea Break		
16:14 – 18:14 hrs	Bhuvan Data & Services: Exploring Bhuvan Tools	Talk-cum-Demonstration on Processing Chain for SLC SAR Data: Focusing, Radiometric Calibration, and Range-Doppler Terrain Correction	The RIEGL VZ-400i System and Strategic Survey Design	

Day - 2		Monday 24-Nov-2025	
		Breakfast	
07:59 – 08:59 hrs			
08:59 – 10:59 hrs	Applications of Bhuvan – Thematic Focus: Hands-on Session 1	Applications of Time-Series SAR Interferometry in Earth Observation	Demonstration - Single and Multi-Scan Acquisition Workflows
10:59 – 11:14 hrs		Tea Break	
11:14 – 13:14 hrs	Hands-on Session 1: Application-driven Exercises	Current and Future SAR Missions for Geo- and Biophysical Parameter Retrieval with Emphasis on NISAR	Post-Processing in RiSCAN PRO
13:14 – 13:59 hrs		Lunch	
13:59 – 15:59 hrs	Hands-on Session 2: Application-driven Exercises	PolInSAR-based Modelling for Characterisation of Manmade and Natural Features	Data Analysis Tools and Techniques
15:59 – 16:14 hrs		Tea Break	
16:14 – 18:14 hrs	Bhuvan for Innovation & Startups	Talk-cum-Demonstration on Python-Based Framework for Interferometric SAR Data Processing	Applications and Case Studies
18:15 – 19:00 hrs		Valedictory	

Accommodation for Participants and Instructors have been arranged at the Venue

[Google Map Location: <https://maps.app.goo.gl/jaqFYwq2pN6mfz9S9>]