



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 <i>Tanumi & B Sharmistha</i>			
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
	<i>Geospatial Innovation through Bhuvan: Applications, Tools, and Use Cases</i>		<i>SAR Remote Sensing and Data Analysis with Advanced Techniques and Applications</i>		<i>Terrestrial Laser Scanning (TLS)</i>
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	
07:59 – 08:59 hrs		Breakfast			
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>]