



Day 1: Technical Session 1-B | 06 November 2023, 15:00 – 16:30 hrs
Venue: Hall-B (2nd Floor, RC-W Main Building)

Modern Technologies in Cartography and Geospatial Applications		
Chair: Co-chair: Rapporteur:		
Sl No.	Title	Authors
1	Radiometric correction in Elevation Direction using Beam Profile in SAR data	Swati Upadhyay, Sumit Pandey, Nidhi Chaubey, MV Srivally, Asha Rani Ben Reddy, Neeraj Mishra Advanced Data Processing Research Institute
2	Exploring smartphone-based GNSS for positioning and mapping applications	Drishti Agarwal ¹ , Salil Goel ¹ , Prashant Chauhan ¹ , Yagnesh Patel ¹ , Deval Mehta ² ¹ IIT- Kanpur ² Space Applications Centre
3	Geovisualization of Water Resources in Urban Environments	Satyam Mishra Siddharth University
4	Assessing the performance of automatic co-registration technique in satellite image for time series analysis	Prosenjit Barman, Sk. Mustak Central University of Punjab
5	Registration of sparse-dense point cloud from LiDAR and its applications	Surbhi Barnwal, Salil Goel, Mansi P. Koshti IIT - Kanpur
6	Seamless Polar mosaic generation from Chandrayaan-2 TMC-2 DEM	Baharul Islam, Abdullah S.A. Zinjani and Amitabh Space Applications Centre
7	Change detection and future prediction of Landuse / Land Cover at Puducherry, India using Google Earth Engine platform	Sajimol S, Immanuel A, Dash SK, Tune Usha National Centre for Coastal Research
8	Detection Transformer (DETR) based detection of Martian Craters	Sourish Chatterjee, Benidhar Deshmukh, Pinaki Roy Chowdhury Indira Gandhi National Open University

9	Phase Unwrapping Techniques for SAR Interferometry: A Comprehensive Review	Alka Saini ^{1,2} , Deepak Mishra ² , V Manavala Manavala Ramanujam ¹ ¹ Space Applications Centre ² Indian Institute of Space Science and Technology
10	Exploring the Research Trends of AI and ML in Geospatial Applications: A Bibliometric Analysis	Arup Baidya University of Delhi