

UIM-2026, Technical Sessions: Selected Paper List

Paper_ID	Topic	Authors	Type
TS3_01	Assessment of Sun-induced chlorophyll fluorescence (SIF) dynamics and its influencing factors across different forest biomes in India	Amrita Singh et al.	Oral
TS3_02	Comparative Assessment of UAV and Sub-Meter Satellite Data for Deep Learning-Based Classification of Horticultural Plantations	Nagashree M. K et al.	
TS3_03	Utilisation of NISAR S-band Imagery for Detection of Shear Zone and Floodplain Geomorphic Features - A Study in Different Geological Provinces of West Bengal	Niladri Das et al.	
TS3_04	Advances in RISAT/Cartosat SAR-Optical Fusion for Border Infrastructure Monitoring	Piyush Tulshiram Lokhande et al.	
TS3_05	Multi-Sensor Fusion of SAR and Optical Features for Advanced Road Transportation Analysis	Nishant Singh et al.	
TS3_06	Development of a geospatial urban climate vulnerability index using multi-sensor satellite data of sustainable urban planning	K Bhanu Teja et al.	

Paper_ID	Topic	Authors	Type
TS4_01	GeoAI LLM Chat Application for Earth Observation Insights Generation	Uday Kumar G et al.	Oral
TS4_02	Geospatial modelling for orange yield estimation using spectral indices and growth regulating variables	Jugal Kishore Mani et al.	
TS4_03	Artificial Intelligence Enabled Multispectral Remote Sensing for Accurate Land Use Land Cover Classification	Radhesyam Vaddi et al.	
TS4_04	Impact Evaluation of Watershed Development Using Machine Learning and Geospatial Techniques.	Yammani Srivarsha et al.	
TS4_05	Machine Learning-Based Multi-Temporal Crop Monitoring Using Resourcesat-2A LISS-III Data: A Case Study of Satara District, Maharashtra.	Shruti Jagtap et al.	
TS4_06	Bhuvan Samvad: A Retrieval-Augmented Generation Based Hybrid Ingestion AI Chatbot for Geospatial Knowledge Access	Prabhanjan DD et al.	

पेपर_आईडी	विषय	लेखक	प्रकार
TS5_01	शहरी छत सामग्री के हाइपरस्पेक्ट्रल वर्गीकरण के लिए एआई-आधारित तरीकों का व्यापक विश्लेषण	प्रीत म्हास्की एट अल.	मौखिक
TS5_02	सैटेलाइट सेंसर की रेडियोमेट्रिक मॉनिटरिंग के लिए डीप लर्निंग टेक्नीक का इस्तेमाल करके स्थिर प्राकृतिक जगहों की पहचान	प्रणव पांडे एट अल.	
TS5_03	बहु-स्रोत उपग्रह आंकड़ों एवं क्लाउड आधारित कृत्रिम बुद्धिमत्ता विश्लेषण द्वारा शहरी वायु प्रदूषण स्रोतों की पहचान एवं निर्णय समर्थन रूपरेखा का विकास	आकाश दादासो सकत एट अल.	

Paper_ID	Topic	Authors	Type
TS6_01	Application of Multispectral Optical and SAR Data Processing Techniques for Monitoring Vulnerable Ancient Structures Along the Krishna River Basin	Kadambari Anand Pandat et al.	Poster
TS6_02	AI-Driven SAR Data Analysis for Rapid Flood Mapping and Near Real-Time Disaster Response in India	Omkar Dattatray Ghorpade et al.	
TS6_03	Post Processing of CartoSat-1 Digital Elevation Model - Void Filling	Roshan Kishore Sharma et al.	
TS6_04	Automated Geometric Accuracy Assessment of SAR Images Using the RIVAL Model	Pulkit Mathur et al.	
TS6_05	Advances in EO Data Analytics and Cloud Computing for Urban Planning and Illegal Construction Detection	Vaibhav Salunkhe et al.	
TS6_06	Cloud-Based Earth Observation Data Analytics with Disaster Priority Index for Disaster Management	Manjiri Mane et al.	
TS6_07	Advances in AI-Earth Observation Integration for Wheat Disease Monitoring: Kissan Rakshak Framework	Vaishnavi Narayan Mane et al.	