

ICGCE-2024

INTERNATIONAL CONFERENCE ON GEOMATICS IN CIVIL ENGINEERING



DATE	TIME	DEPARTMENT	PERSON(S)	AFFILIATION	TITLE
Monday, 11th March 2024	8:30-10:00	Breakfast and Photo (Civil Lawn)			
	10:00-10:30	Inaugural Function (O.P Jain Auditorium, CED)			
		Session Chairpersons: Prof. RD Garg and Prof. Siddhartha Khare			
	10:30	Invited Speaker: Prof. Bryan Mark, The Ohio State University, USA			
	11:00	Geomatics in Miscellaneous Areas of Engineering	Ankam Bhanu Prakash	NIT Warangal	Coast Line Change Detection Using Synthetic Aperture Radar (SAR) Interferometry
	11:15		Shubham gupta	IIT Guwahati	Assessment of Geomorphic Indices in the Nagaland and Manipur Regions of the Indo-Burma Wedge
	11:30		Vaibhav Nagar	NIT Warangal	Comparative analysis of LULC prediction combining Earth Engine and Deep Learning approach
	11:45		Sangeeta	Water resources department, Ludhiana	Remote Sensing Based Study of Gangotri Glacier and its Response to Ongoing Climate Change
	12:00		V Bhargavi	NIT Warangal	Automatic Extraction of Building Footprints using DSM and stereo images
	12:15-13:00		Poster Presentation (Geomatics Building, CED)		
	13:00-14:00	Lunch Break (Civil Lawn)			
		Session Chairpersons: Prof. Alok Bhardwaj and Prof. Kaustav Chatterjee			
	14:00	Invited Speaker: Ms. Bharti Sinha, Co-Founder, Strategists' World			
	14:30	Geomatics in Geotechnical Engineering	Gyan Garima Singh	MNNIT Allahabad	Analysing the Influence of Parametric Variations on the Load-Sharing Ratio of Piled Raft Foundations
	14:45		M Sampath Kumar	Osmania University, Hyderabad	Study of Rainfall Erosion over an Earthen Embankment using Woven Coir Geotextile
	15:00		Rupali Srivastava	Jaypee institute of information technology, Noida	Exploring the interaction of underground blast parameters across different anisotropic geomedia
	15:15		Mr. Sahil Dhiman	NIT Hamirpur	Landslide vulnerability evaluation of Chandra-Bhaga basin using Index of Entropy model
	15:30-16:00		Tea Break (Civil Lawn)		
		Session Chairpersons: Prof. Siddhartha Khare and Prof. Sudipta Sarkar			
	16:00	Invited Speaker: Dr. Yogita Shukla, Founder and CEO, addGEO Foundation			
	16:30	Geomatics in Environmental Engineering	Abhinav Galodha	IIT Delhi	Water quality estimation for inland water bodies with geospatial, temporal series analysis of Sentinel-2 (optical mss) and EnMAP (hyperspectral) dataset
	16:45		Aravind S	Central University of Punjab	Image-Based Analysis of Air Pollution in Meerut City, Uttar Pradesh
	17:00		Christina Jery		Role of Adsorption in Predicting Environmental Fate of Heavy Metal Contaminants in Soil
	17:15		Khushi Vaishnav	Central University Of Punjab	Spatio-temporal analysis of relation between urban green space and urban growth pattern – a case study of Jaipur city, Rajasthan
	17:30		Pranamee Baruah	NIT Meghalaya	Experimental study of Enzyme-induced calcite precipitation on soil
	17:45		Akash Goyal	NRSC, ISRO	Kharif crop (Red gram) classification and mapping using SAR data and Machine Learning Algorithms
18:00	Somesh K		NIT Warangal	Evaluating the efficiency of the XGBoost model in forecasting maximum temperature for detecting heatwave days in Rajasthan	
18:15	Pallavi Chaurasia		IIT Roorkee	Interlinking Urban Heat Island & Urban Pollution Island Using Remote Sensing - A Case Study of Delhi, India	
18:30	Sarvjeet Kumar		IIT Roorkee	Identification of Ghost Villages in Uttarakhand using Remote Sensing	
18:45	Nitish Kumar		NIT Warangal	Heatwave Prediction Using Machine Learning Algorithms	
19:30 onward	Gala Dinner, Networking (Civil Lawn)				

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Tuesday, 12th March 2024	8:00-9:00	Breakfast (Civil Lawn)			
		Session Chairpersons: Prof. Kamal Jain and Prof. Sonalisa Ray			
	09:00	Invited Speaker: Mr. Dheeraj Joshi, Deputy Secy, River Basin Management Division, Ministry of Jal Shakti, Govt. of India			
	09:30	Geomatics in Transportation Engineering	Asit Ghosh	IEST Shibpur	Effect of rice husk ash as filler material in construction stone matrix asphalt wearing course
	09:45		Gaurav Kumar Mishra	VNIT Nagpur	Assessment of urban sprawl using Geomatics and Shannon's Entropy Index: A case of Lucknow city, India
	10:00		Teena Sharma	University of Quebec at Chicoutimi, Quebec, Canada	Deep learning-based Object Detection and Classification for Collision Avoidance in Varying Weather Conditions
	10:15		Riya Singh	Bhilai Institute of Technology Durg	Recycled Concrete Aggregate: A step towards sustainability
	10:30	Geomatics in Structural Engineering	Arpit Kumar		A review on performance of diagrid structural system under lateral loads
	10:45		Abhishek Soni	MANIT Bhopal	Sustainable development of Ultra High Performance Concrete through E-waste incorporation as partial replacement for river sand
	11:00-12:30	Poster Presentation (Geomatics Building, CED)			
	12:30-13:30	Lunch Break (Civil Lawn)			
		Session Chairpersons: Prof. PK Garg, Prof. PK Sharma, Prof. KS Hariprasad, Prof. R Vinnarasi			
	13:30	Invited Speaker: Mr. Peeyush Gupta, River Rejuvenation Expert, National Mission for Clean Ganga, Ministry of Jal Shakti, GOI			
	14:00	Geomatics in Hydraulics and Water Resource Engineering	Abhishek Kumar	NIT Warangal	Mapping Flood Extents Using Machine Learning Algorithms on Google Earth Engine
	14:15		Apurwa Chaurasia	IIT Roorkee	Deep learning CNN model for land use land cover (LULC) classification using imagery
	14:30		Thota Vyshnavi	NIT Warangal	Development of Rainfall Monitoring Station Using Open Hardware Sensors.
	14:45		Dr. Shubha Avinash	GITAM -Bengaluru Campus	Hydrological analysis to enhance the urban natural environment- Use case in K-100 Waterway Project, Bengaluru, Karnataka, India
	15:00		Harshita Choubey	NIT Warangal	Suspended Sediment Concentration analysis using a combination of machine learning and remote sensing
	15:15		Kajal Sarkar	NIT Raipur	Geographic methods for Mapping and Tracking Water Reserves in Southern Indian semi-arid areas
	15:30		Madhumita Halder	NIT Warangal	Simulation Of Suspended Sediment Concentration Using Support Vector Machine Algorithm
	15:45		Priyam Deka	IIT Delhi	Long-term water budget closure of the transboundary Brahmaputra basin
	16:00-16:30	Tea Break			
	16:30	Geomatics in Hydraulics and Water Resource Engineering	Raghul M	VIT Vellore	Assessment of Lake Water Quality In Gudiyattam Town, Vellore District and Its Impact on Sub Surface Water: Utilizing Statistical Tools and GIS for Spatial Analysis
	16:45		Ved Prakash		Reconstructing Streamflow Dynamics in South Asia's River Basins for 1949-2022
	17:00		Anusuya S	IIT Roorkee	Groundwater management using DRASTIC model for the Bundelkhand region of U.P
	17:15		Ruturaj Jayant Jadhav	NIT, Warangal	Event-Based Hydrologic Modeling for a Watershed in Godavari Basin using HEC-HMS
	17:30-18:00	Valedictory Session, Prize Distribution (O.P Jain Auditorium, CED)			
	19:30 onward	Dinner (Civil Lawn)			