



IEEE Hyderabad Section in association with

Department of CS&AI & IEEE GRSS MJCET Chapter Presents

Richard Memorial Lecture (RML)

“Advancements and Latest Trends in Geospatial Technologies”

by

Dr. PV Radhadevi, Director ADRIN, Department of Space.

Date & Time: December 11, 2024. 2:30 p.m. to 3:30 p.m. (IST) Mode of Participation: In-person

Venue: Seminar hall, Block 4, MJCET (<https://maps.app.goo.gl/VjjKJrP2uJW9jrQ8>)

Abstract: Geospatial technologies, encompassing GIS, Remote Sensing, and GPS, are transforming decision-making across diverse sectors. This talk explores the latest advancements and trends in geospatial technologies, driven by digital transformation, evolving geospatial ecosystems, and AI-powered innovations. Key highlights include the integration of GeoAI in workflows, its applications in remote sensing, and contributions from Indian space programs to geospatial intelligence. The discussion will also cover geospatial data strategies, evolving policies, sectoral markets, and challenges in adoption. Looking ahead, we delve into next-generation geospatial intelligence and its alignment with future space visions, showcasing the role of geospatial technologies in shaping a data-driven, intelligent world.

Bio-sketch:

Dr. PV Radhadevi is a renowned scientist with over 35 years of experience, contributing significantly to satellite imagery, national security, and space technology. She has pioneered work in satellite imaging geometries and satellite photogrammetry, helping to develop tools for mapping and Intelligence, Surveillance, and Reconnaissance (IMINT) applications. Her leadership at ADRIN led to the creation of the Lunar Mapping System, a software for generating Digital Elevation Models (DEMs) from Chandrayaan-1 data, which contributed to ISRO's lunar exploration efforts.



Dr. Radhadevi played a crucial role in the successful landing of Chandrayaan-3 by evaluating potential landing sites using DEMs to analyze terrain features. She has also been integral to the ISRO-IAF, Advanced DEM (ADEM), and Cartosat-3 projects, and has contributed to in-flight

sensor calibration efforts.

Her remarkable achievements have earned her numerous accolades, including the ISCA Young Scientist Award (1989), ASI Space Gold Medal (2000), ASI Woman Scientist Award (2009), and ISRO Team Awards (2009, 2012, 2019). She received the International Women's Day Award (2022) and National Geomatics Award for Excellence (2022). Dr. Radhadevi was also selected for the Chief of Army Staff's Commendation Award in 2024.

Beyond her scientific contributions, Dr. Radhadevi has a passion for literature and is an accomplished writer. Her contributions have been featured in the "Women Engineers in India" compendium. With over 40 technical publications, Dr. Radhadevi continues to inspire with her leadership, expertise, and dedication to advancing national and global scientific frontiers.

Expected participants: Academicians, Researchers, Scholars and Students

For queries please contact:

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Scan for Registration

