



Indian Institute of Space Science and Technology
Department of Earth and Space Sciences



National Remote Sensing Day 2026

Expert Talk on

Satellite Remote Sensing for Land Use Systems

Tracking Climate-Driven Change, Enhancing Agriculture, and Guiding Nature-Inspired Conservation

Abstract

Satellite remote sensing provides critical insights into changing land-use systems and their interactions with climate, agriculture, ecosystems, water, and livelihoods. This lecture explores how Earth-observation technologies support land-change monitoring, agricultural and water management, ecological assessment, and nature-inspired conservation. It also highlights emerging opportunities from hyperspectral, LiDAR, radar, CubeSats, foundation models, and cloud-based geospatial technologies for advancing land-system intelligence and decision-making.

Featured Expert



Prof. Parth Sarathi Roy

Former Director,
Indian Institute of Remote Sensing (ISRO), Dehradun
Former Associate/Deputy Director ,
National Remote Sensing Center (ISRO), Hyderabad

Join Online – No Registration Required

@Microsoft Teams.

Meeting ID: 310 875 016 576 354
Passcode: 9AE3r5Ds



**12 AUGUST
2026**



11:00 AM



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