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Govt. of India
Department Space
Indian Space Research Organization
Indian Institute of Remote Sensing

1047th IIRS Outreach Programme
On
“Advances in thermal infrared RS for ecological studies”

October 15, 2025

Lecture Schedule

Time (hrs)	Topic	Faculty
11:00-11:40	Thermal Remote Sensing: Principles and Sensors	Dr. Yogesh Kant
11:50-12:30	Overview of thermal remote sensing and parameter retrieval from future TRISHNA Mission	Dr. Mehul Pandya
14:10-14:50	Forest evapotranspiration dynamics using ECOSTRESS sensor and surface energy balance approach	Dr. Taibanganba Watham
15:00-15:40	Thermal Drone Survey to Detect Arboreal Fauna: Improving Population Estimates and Threatened Species Modelling	Dr. Benjamin Wagner
15:45-16:15	Advances in active fire, severity and hazard monitoring using thermal remote sensing	Dr. Hitendra Padalia
16:20-17:00	Thermal remote sensing for agricultural drought and heatwave assessment	Dr. N.R. Patel
17:00-17:30	Demo on processing of thermal remote sensing datasets	Dr. Taibanganba Watham/Dr. Hitendra Padila