

LECTURE SERIES

on

Recent Advances in Agricultural Crop Mapping and Monitoring Using Microwave Remote Sensing



Dr. Heather McNairn



Dr. Saeid Homayouni



Prof. Avik
Bhattacharya



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Schedule:

18 December 2024

Speakers	Title of lecture	Time (IST)
	Inauguration and Welcome address by Prof. Madan Kumar Jha, HoD, AGFE, IIT Kharagpur	07:10 to 07:20
	Welcome address by Dr. Prachi Kaul, Director, Shastri Indo-Canadian Institute	07:20 to 07:25
	Welcome address by Prof. Rintu Banerjee, Deputy Director, IIT Kharagpur	07:25 to 07:30
Dr. Heather McNairn	Integration of a SAR Calibrated Vegetation Index for Operational Monitoring of Crop Condition	07:30 to 08:30
Dr. Saeid Homayouni	Crop mapping and monitoring from SAR Polarimetry Earth Observations using Machine Learning Techniques	08:40 to 09:40
Prof. Avik Bhattacharya	Fundamental aspects of SAR for agricultural applications	10:00 to 11:00
Dr. Dipankar Mandal	Radar Vegetation Indices as Analysis-Ready Data Product for Crop Monitoring: Foundational principles and practice	11:10 to 12:10
Dr. Vineet Kumar	Parcel-level Crop Monitoring using SAR Remote Sensing	12:30 to 13:30
Dr. Unmesh Khati	PolInSAR and InSAR techniques for crop mapping and monitoring	13:40 to 14:40

Venue:

<https://meet.google.com/gko-ucov-rps>



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