



DRDO-Sponsored Workshop

under the aegis of

DRDO-Industry-Academia Centre of Excellence (DIA-CoE), IIT Kanpur, on

Metamaterial Antennas & Applications

(18 to 20 April 2025)

Organized by

Department of Electrical Engineering, IIT Kanpur

Day 1: April 18, 2025 (Friday)

Venue: Outreach, IIT Kanpur

	8:00 -9:15	Registration
	9:15 -09:45	Inauguration
	9:45 – 10:15	High Tea
Session 1	10:15 -11:00	L C Mangal, <i>DS & Director General (Technology Management), DRDO</i> Keynote Lecture
Session 2	11:00 -12:00	A R Harish, <i>IIT Kanpur</i> Antennas and Meta-structures
Session 3	12:00 -13:00	J. Ramkumar, <i>IIT Kanpur</i> 3D-printed Metamaterial structures and Applications
Lunch Break		
Session 4	14:00 -15:00	Kumar Vaibhav Srivastava, <i>IIT Kanpur</i> CRLH Transmission Line and its Applications
Session 5	15:00 -16:00	Raghvendra Kumar Chaudhary, <i>IIT Kanpur</i> Metamaterial Antennas and Applications
Tea Break		
Lab Visit	16.15 to 18:00	Microwave Lab, mmWave Lab and PCB Lab

Day 2: April 19, 2025 (Saturday)

Venue: Outreach, IIT Kanpur

8.30 to 9.30		Breakfast
Session 6	9:30 - 10:30	Amit Singh, <i>IIT Patna</i> IRS and Antennas for Millimeter-wave and Sub-THz 6G Applications
Session 7	10:30 - 11:30	Ashutosh Kedar, <i>LRDE DRDO</i> Phased Array Antenna
Tea Break and Discussions		
Session 8	12:00 -13:00	Kushmanda Saurav, <i>IIT Jammu</i> Multi-layer Antenna Based on Polarization Conversion Metasurface
Lunch Break		
Session 9	14:00-15:00	M Jaleel Akhtar, <i>IIT Kanpur</i> Metamaterials Inspired RF Planar Sensors and Imaging Technique
Session 10	15:00 - 16:00	Indira Srivastava, <i>BEL Ghaziabad</i> Phased Array Antennas Concept and Practical Aspects
Lab Visit	16:00 - 18:00	Airstrip Visit
19:00 – 22:00		Gala Dinner

Day 3: April 20, 2025 (Sunday)

Venue: Outreach, IIT Kanpur

08.30 to 09.30		Breakfast
Session 11	09:30 - 10:30	Saptarshi Ghosh, <i>IIT Indore</i> Metasurface-based Antennas and Applications
Session 12	10:30 - 11:30	Pramendra Kumar Verma, <i>DEAL DRDO</i> Phased Array Antenna Technology for Communication
Tea Break and Discussions		
Session 13	12:00 -13:00	Nagaditya Poluri, <i>IIT Kanpur</i> Power Amplifier Techniques to Improve the Efficiency of Radiating Systems
Lunch Break		
Lab Visit	14:00-15:50	EMI/EMC Lab and MedTech Lab Visit
16:00 -16:15		Tea Break and Discussions
16:15-17:30		Valedictory Ceremony