

Defence Institute of Advanced Technology (DIAT)

Pune, India – 411 025

Seminar Schedule - HERTZ-2025 [Week -I]

Date/Time	Forenoon		Afternoon	
	0900 – 1100 Hrs	1100- 1300 Hrs	1400- 1600 Hrs	1600- 1800 Hrs
17 th Feb. 2025	Inaugural Function [.....]	R&D Highlights from the Research Group on Radar Techniques at Warsaw University of Technology, Prof. Konrad Jdrzejewski , Poland	Active and Passive SAR Radar Imaging, Prof. Piotr Samczynski , Poland	Passive Radar Observation of Space Objects in Low-Earth-Orbit, Prof. Konrad Jdrzejewski , Poland
18 th Feb. 2025	RF-Photonics + Photonic RF Down-conversion Techniques, Le Nguyen Binh , Australia.	Photonics ADC + Photonics Signal Processing, Le Nguyen Binh ,	Design Considerations for a Hybrid Energy Harvesting PA for Radar Applications, Sunday Ekpo , UK	Design Considerations for a Hybrid Energy Transvester for Radar Applications, Sunday Ekpo , UK
19 th Feb. 2025	Photonics Antenna Remoting, Le Nguyen Binh + Prof. AA Bazil Raj	Photonics-based RF parameters measurements, Le Nguyen Binh ,	M/s Synchthreads Computing Pvt., Ltd., India	Integrated Sensing and Communication (ISAC), Sajid Ahmed , Saudi Arabia
20 th Feb. 2025	Photonics-based EW receiver, Le Nguyen Binh ,	Photonics-based DoA/AoA estimation, Le Nguyen Binh + Prof. AA Bazil Raj	SAR + Discussion Stefano Tabaldini , Milan	Detection of aerial targets with dual-channel receivers, Prof. Alessio Balleri , UK
21 st Feb. 2025	Quantum Photonics Transmission for QKD Secrete bits for Long Range Radar Transmission, Le Nguyen Binh ,	Waveform Design for MIMO Radar: A Step Towards Software Radar, Sajid Ahmed , Saudi Arabia	M/s Mathworks, USA/India	M/s Keysight, Mumbai



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24 th Feb.2025	From the Underground to Outer Space, Prof. Alfonso Farina , Rome	M/s Holmarc Opto-mechtronics Pvt., Ltd., Cochin, Kerala.	Phased Array Radar Adaptive Digital Beamforming, Prof. Antonio De Maio , Rome	STAP, Prof. Alfonso Farina , Rome + Prof. AA Bazil Raj
25 th Feb. 2025	STAP, Prof. Antonio De Maio , Rome	STAP, Prof. Alfonso Farina , Rome	STAP, Prof. Antonio De Maio , Rome	STAP, Prof. Alfonso Farina , Rome
26 th Feb. 2025	STAP, Prof. Antonio De Maio , Rome	Adaptive Radar Detection, Prof. Antonio De Maio , Rome	Passive Coherent Location, Prof. Alfonso Farina , Rome	Cognitive Radar, Prof. Antonio De Maio , Rome
27 th Feb. 2025	Target Tracking, Prof. Alfonso Farina , Rome	Cognitive Waveform Design for Spectral Coexistence, Prof. Antonio De Maio , Rome	Target Tracking, Prof. Alfonso Farina , Rome + Prof. AA Bazil Raj	Target Tracking & Adaptive Radar Resource Management, Prof. Alfonso Farina , Rome
28 th Feb. 2025	M/s Optisystem, Canada/New Delhi	M/s Yokogawa, Japan/Bangalore	M/s Rohde & Schwarz, USA/Delhi	Feed-back, Test & Valedictory Function

