



Next Generation Stealth Antennas and Reconfigurable Electromagnetic Structures for Strategic Airborne Applications

(18 to 20 September 2026)

under the aegis of

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

Organized by

Department of Electrical Engineering, IIT Kanpur



Day 1

Friday, 18 September 2026



Venue: Outreach Auditorium, IIT Kanpur

08:30 – 09:30

Registration

09:30 – 10:00

Inauguration

Chief Guest: Dr. N. Ranjana
Outstanding Scientist & Director, DFTM, DRDO
Dr. Meena Mishra
Director, DIA-CoE, IIT Kanpur
Prof. Jayandharan G. Rao
Dean, R&D, IIT Kanpur
Head of the Department,
Electrical Engineering, IIT Kanpur
Prof. Kumar Vaibhav Srivastava
Coordinator
Prof. Raghvendra Kumar Chaudhary
Coordinator

10:00 – 10:30

High Tea

10:30 – 11:20

Session 1

Prof. A R Harish, IIT Kanpur
The Unit cell

11:30 – 12:20

Session 2

Dr Rakesh Singh, RCI, DRDO, Hyderabad
RCS Measurement and Analysis & RF Seekers
and Weapon-System Perspective with Stealth

12:30 – 13:20

Session 3

Dr Vijay Kumar Sutrar, ADE, DRDO, Bengaluru
Stealth Technology and Next-Generation
Low-Observable Antennas for Advanced
Airborne Platforms

13:20 – 14:10

Lunch Break

14:10 – 14:50

Industry Talk
Industry Talk & Exhibition
(CADFEM and DRS)

15:00 – 15:50

Session 4

Prof. Kumar Vaibhav Srivastava, IIT Kanpur
Active Reconfigurable Metasurfaces for
Next Generation Stealth Systems

16:00 – 16:50

Session 5

Prof. Raghvendra Chaudhary, IIT Kanpur
Stealth Antennas: Metasurface-Enabled RCS
Reduction for Airborne Platforms

17:00

Tea Break



Day 2

Saturday, 19 September 2026



Venue: Outreach Auditorium, IIT Kanpur

09:30 – 10:20

Session 6

Prof. Saptarshi Ghosh, IIT Indore
Recent Advances in Next-Generation
Metasurface Antennas for Strategic
Applications

10:30 – 11:00

Session 7

Dr Himanshu Bhusan Baskey,
DMSRDE, DRDO, Kanpur
Contemporary to next-generation
stealth materials and technology

11:10 – 12:20

Session 8

Prof. P. M. Mohite, IIT Kanpur and
Prof. Rajesh Kitey, IIT Kanpur
Comprehensive mechanical and failure
analysis of Radar Absorbing Material

12:20 – 13:20

Session 9

Prof. M. Jaleel Akhtar, IIT Kanpur
Nanocomposites-Based Optically Transparent
Flexible Metasurface Structures for Radar
Stealth Application

13:20 – 14:10

Lunch Break

14:10 – 14:50

Industry Talk
Industry Talk & Exhibition



Lab Visits

- Microwave Measurement Lab Visit / PCB LAB
- EMI/EMC Lab Visit
- Structures Lab, Aerospace Engineering

17:00

Tea Break

19:00 – 22:00

Gala Dinner

Venue: Outreach, IIT Kanpur



Day 3

Sunday, 20 September 2026



Venue: Outreach Auditorium, IIT Kanpur

09:30 – 10:20

Session 10
Panel Discussion

10:30 – 11:20

Session 11

Prof. Amit Verma, IIT Kanpur
Passive and Active Infrared Camouflage
using Oxide Materials

11:30 – 12:20

Session 12

Dr. Anuj Shukla, DLJ, DRDO, Jodhpur
Artificially Engineered Materials (AEM) for
Reconfigurable Electromagnetic Structures

12:30 – 13:20

Session 13

Prof. J. Ramkumar, IIT Kanpur
Manufacturing of Electromagnetic Structures
for Strategic Applications: Materials,
Processes and Design Constraints

13:20 – 14:10

Lunch Break

14:10 – 14:50

Session 14

Prof. Amar Behera, IIT Kanpur
From Design to Deployment: Advanced
Manufacturing for Next-Generation
Stealth Systems

15:00 – 15:50

Session 15

Prof. Nagaditya Poluri, IIT Kanpur
High Power Amplifiers for Radar Applications

16:00 – 16:50

Valedictory
Ceremony

17:00

Tea Break



Anusandhan
National
Research
Foundation



CADFEM



Ansyst
part of SYNOPSYS

ELITE
CHANNEL
PARTNER

