

IEEE DEIS SUMMER SCHOOL 2025

IEEE
DEIS
Dielectrics & Electrical
Insulation Society



ON INSULATING AND MULTI FUNCTIONAL DIELECTRICS

FROM 20-25TH SEPTEMBER 2025 @ IIT KANPUR



TOPICS

- 1.Characterization and condition monitoring of composites.
- 2.Nanodielectrics
- 3.Functionally graded composites
- 4.Soft stretchable dielectrics
- 5.Dielectrics for electromagnetic shielding, high power and pulsed power applications.

OBJECTIVES

INTRODUCE BASIC CONCEPTS AND TOPICS OF INTEREST THROUGH A FEW EXPERT LECTURES.

FACILITATE PARTICIPANTS TO BRAINSTORM AND IDENTIFY CHALLENGES IN SELECT TOPICS IN THE ABOVE AREAS, IDENTIFY POSSIBLE RESEARCH OBJECTIVES, AND PROPOSE POSSIBLE METHODOLOGIES.

THE PARTICIPANTS WILL BE ENCOURAGED TO FORMULATE A VIABLE RESEARCH PLAN.

THE POSSIBILITIES TO CONTINUE TO WORK TOGETHER AS A GROUP AFTER THE SCHOOL WILL BE EXPLORED.

MODERATORS

Dr. Asha Sharma, IIT Roorkee
Dr. Alok Ranjan Verma, IIT Kanpur
Dr. Jeewan Chandra Pandey, IIT BHU
Dr. Sumit Basu, IIT Kanpur
Dr. Nandini Gupta, IIT Kanpur

WHO SHOULD ATTEND?

Post-graduate students and early career researchers (those who have obtained their PhD in the last 5 years). A few seats are available for final year undergraduate students with proven interest/potential for research. Participants may optionally present a poster on their ongoing research work on the first day of the school. The participants will be divided into research groups during the course of the school, and will work together with the moderators, to formulate a viable research plan. The group with the best proposal will be awarded a cash prize and citation

REGISTRATION FEES

STUDENTS: IEEE MEMBERS: ₹ 2,000+GST
NON-MEMBERS: ₹ 4,000+GST

EARLY CAREER RESEARCHERS:

IEEE MEMBERS: ₹ 5,000+GST
NON-MEMBERS: ₹ 7,000+GST

INTERNATIONAL PARTICIPANTS:

IEEE MEMBERS: 75 USD+GST
NON-MEMBERS: 100USD+GST

*REGISTRATION FEES WILL INCLUDE FOOD & ACCOMMODATION ON CAMPUS, AND A GROUP TRIP TO TAJ MAHAL, AGRA.

TO APPLY:

Please write to Dr. Nandini Gupta at nandini.iitk@gmail.com to apply.
Registration Deadline: 30 th June, 2025.

