SPARC Sponsored an International Workshop on

"Transmission Electron Microscopy for Advanced Nanomaterials" (TEMAN 2025)

April 4th-6th,2025

Indian Institute of Technology, Kharagpur

Organized by

School of Nano Science and Technology (SNST)
IIT Kharagpur

In collaboration with

University of Tampere, Finland

Venue: SNST

IIT Kharagpur

Under the aegis of

SPARC Program (MHRD, Govt. of India)

About the Workshop

This 3-day workshop with hands-on training is based on an introduction to transmission electron microscopy, working principles, and advanced transmission electron microscopy techniques, including but not limited to Cryo-TEM, single particle reconstruction, and other electron diffraction techniques. Throughout the workshop, the participant will learn the practical use of TEM for advanced nanomaterials.

Organizing Committee

Patron: **Prof. Amit Patra**, Director, IIT Kharagpur
Chairperson: **Prof. Dipak Kumar Goswami**, SNST, IIT Kharagpur
Convener: **Prof. Indranath Chakraborty,** SNST, IIT Kharagpur

Members: **Prof. Nonappa N**, Tampere University, Finland
Faculty Members of SNST:
Dr. Sathi Roy, Dept. of ME, IIT Kharagpur
Dr. Mrinal K Sikdar, SNST, IIT Kharagpur

Student Members: Arunima Sinha, SNST, IIT Kharagpur
Anukool Yadav, SNST, IIT Kharagpur

Speakers:
Prof. Nonappa N., Tampere University, Finland
Prof. Ahin Roy, IIT Kharagpur, India
Prof. Rahul Mitra, IIT Kharagpur, India
Prof. Chandra S. Tiwary, IIT Kharagpur, India
Dr. Anirban Som, IIT Madras, India
Dr. Florian Schulz, University of Hamburg, Germany
Prof. Debabrata Pradhan, IIT Kharagpur, India

Registration is compulsory on or before 20th March, 2025, 12:00 PM

Register through (https://forms.gle/gPTkbjACJT8kUYfY9)

Registration details: Registration fees: NIL

(Limited capacity, based on first come first serve)

Email: indranath@iitkgp.ac.in

About the School of Nano Science and Technology, IIT Kharagpur

School of Nano Science and Technology (SNST) brings engineers, biologists, chemists, physicists, materials scientists, and biomedical researchers together. SNST has set a mission to work actively on developing technologies and innovations and contribute to the national mission and global priorities.

SNST faculties are handholding as a cohesive unit of different disciplines and applying their scientific skills in applied cum translational nanotechnology. SNST aims to generate processes, prototypes, products, technologies, and devices directed toward national and global priorities, especially in healthcare, energy, food, and the environment. SNST faculties are engaged in Science promotion, and dissemination among the young generation is also a focus. SNST is committed to developing high-end research facilities to meet these targets and train the young brain with their skill development in nanoscience and nanotechnology.

About Tampere University, Finland

Tampere University is one of the most multidisciplinary universities in Finland. We bring together research and education in technology, health and society. The University is known for its excellence in teaching and research and it collaborates with hundreds of universities and organization worldwide. Our community consists of about 22,500 students and around 4,200 staff members from more than 80 countries.