

ADVANCES IN FUNCTIONAL SOLIDS FUNDAMENTALS AND APPLICATIONS



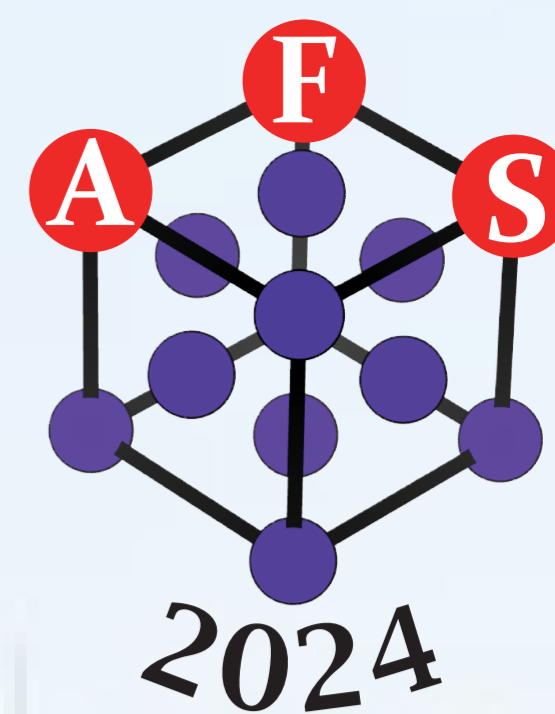
Indian Institute of Technology Kharagpur

November 9 - 12, 2024

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Website: <https://sites.google.com/view/afsiitkgp>

Venue: Gargi Auditorium



Scientific Scope

The discovery of new functional solids with diverse properties is essential, forging the path into the modern world. Synthesis, design, characterization, and theoretical insight into the materials help us understand the structural stability, their functional origins, and modulation of the properties. Recent developments in advanced experimental techniques provide an in-depth understanding of the material's structure-property interplay. Additionally, advanced computational tools and theoretical models can predict new materials with exceptional properties. The Pandora of new-age functional solids hosts materials with structural, electronic, optical, magnetic, electrical, thermoelectric, multiferroic, electro- and magneto-optic, and superconducting properties. The meeting will discuss state-of-the-art materials, their promising functional aspects, and ground-breaking developments in the interdisciplinary area by integrating chemists, physicists, and materials scientists.

Topics to be covered

1. Structural Chemistry and Crystallography
2. Electronic and Optical properties of solids
3. Magnetism in Solids
4. Transport properties of Solids
5. Molecular Magnetism and other Switchable solids
6. Topological and Quantum Solids

Important Dates

Registration: 20th August - 30th September

Deadline for Abstract Submission:
10th October 2024

For Abstract template please visit the conference website; Acceptance of abstract will be notified via email

Registration

Foreign Faculty/Post-docs: 300 USD
Foreign students: 200 USD
Indian Faculty: 12000 INR
Indian Post-docs: 9000 INR
Students (Outside IIT KGP): 7000 INR
Students (Internal): 4000 INR
Industry Delegates: 30000 INR
For registration please visit the conference website

Call for Posters

Participants are encouraged to present posters
For poster template, please visit the conference website

Patron

Prof. V. K. Tewari
Director,
IIT Kharagpur

Chairman

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Head, Department of Chemistry,
IIT Kharagpur

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