

A Workshop on Single Crystal X-Ray Diffraction

26th-28th January, 2024

Organized by



Department of Chemistry and Chemical Biology
Indian Institute of Technology (Indian School of
Mines) Dhanbad-826004, Jharkhand, India

A Workshop on Single Crystal X-Ray Diffraction

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Objective of the workshop

The workshop will provide an opportunity to experience the state-of-the-art single crystal XRD techniques and initiate discussion among research scientist, academicians and young researchers to share their knowledge in the area of crystallography. The workshop is only for beginners. The beginners will get a chance to familiarize themselves with SC-XRD instrumentation, analytical technique and data analysis.

Topics to be covered

- ❖ Introduction to X-ray Crystallography
- ❖ Techniques for crystal development
- ❖ Demonstration on instrument
- ❖ Structure solution and refinement
- ❖ Preparation of publishable data (CIF files)

Eligibility

Faculty members, scientists, research scholars, project staffs as well as M.Sc. students.

No. of seats: 30

Application procedure: You are requested to fill the goggle form with required information by **15th January, 2024**. Google form ([click here](#)). If you are selected for the workshop, the coordinator will contact you regarding submission of course fees, registration form and other details.

Registration Fee:

Industry/Research Organizations: Rs. 5000

- ❖ Academic Institutions:
- ❖ Faculty: Rs. 4000
- ❖ Ph.D. Scholar: Rs. 3000
- ❖ UG/PG Student: Rs. 1000
- ❖ The above fees include workshop fees, certificate and assignments etc. The participants will be provided accommodation and food **on a payment basis** subject to availability. Guest house charges Rs. 1200 (Rs 600 on sharing basis) + GST per night; daily food expenses (Breakfast+ lunch + dinner 566 Rs per day). Hostel charges are nominal. Both guest house and hostel fees are to paid on spot by online transfer (Debit card/Credit Card/other online path/ cash is not acceptable).

Course Coordinator:

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