



SERB School on Crystallographic Texture

October 3-7, 2017

Indian Institute of Technology Bombay

Conveners: Indradev Samajdar, M.J.N.V. Prasad, Sushil Mishra



Aim and Objective

Develop a keen understanding of the fundamentals underlying crystallographic texture and the techniques employed to obtain textural information. Highlight the importance of textural studies in analysis of thermomechanical processing of materials with regards to the effect of texture evolution on the material properties.

Participation and Funding

Applications are invited from Research Scholars (preferably 1st or 2nd year), and Young Faculty Members (below the age of 35) from Academic Institutions, and Young Researchers (below the age of 35) from R&D Organizations. The total number of participants is limited. All the selected participants will be provided to and from III AC (Research Scholars and Young Researchers from R & D Organizations) and II AC (Faculty Members) train fare, bus fare, free lodging and boarding.

List of Courses

- Basics of Crystallography and X-ray Diffraction
- Introduction to Crystallographic Texture
- Introduction to EBSD
- Texture Evolution during TMP
- Texture-Property Correlation
- Residual Stress and Texture Modelling
- Other Advanced Techniques

Hands on Laboratory and Tutorial Sessions

- Stereographic projections
- Specimen preparation
- X-ray Texture Measurements and Analysis
- EBSD Measurements and Analysis
- Textural Modelling
- Residual stress analysis
- Crystallographic texture in Steel

Probable List of Speakers

- Prof. Indradev Samajdar (IITB)
- Prof. Satyam Suwas (IISc)
- Prof. Rajesh Prasad (IITD)
- Dr. Madangopal (BARC)
- Prof. Nilesh P. Gurao (IITK)
- Prof. Sivasambhu Mahesh (IITM)
- Prof. Pinaki Bhattacharjee (IITH)
- Prof. Asim Tewari (IITB)
- Dr. Saurabh Kundu (TATA Steel)
- Dr. K. V. Mani (BARC)
- Dr. Arup Dasgupta (IGCAR)
- Prof. Sushil Mishra (IITB)
- Prof. Alankar Alankar (IITB)
- Prof. N. Jaya Balila (IITB)

Deadlines

Last date of application
September 15, 2017

Intimation to participants
September 20, 2017

Confirmation by participants
September 25, 2017

Important guidelines to follow

To **apply** please send an email to mjnvprasad@iitb.ac.in / sushil.mishra@iitb.ac.in / indra@iitb.ac.in on or before Friday, September **15, 2017**. Your email should include all of the following information:

- First Name Last Name
- Position
- Department
- Institute/Organization
- Institute/Organization address
- Contact phone number and email address

Please note that the number of seats is limited. We will inform you about the approval of your application by Wednesday, September **20, 2017**. After acceptance of confirmation, more details about the Final Programme Schedule will be provided to all participants.

In case of any queries, please do not hesitate to contact:

Prof. M.J.N.V. Prasad / Prof. Sushil Mishra / Prof. Indradev Samajdar

Telephone: 022-2576 7642/7621

Email: mjnvprasad@iitb.ac.in / sushil.mishra@iitb.ac.in / indra@iitb.ac.in

We look forward to welcoming you at IIT Bombay for the SERB School on Crystallographic Texture.