

Online Short Term Course on Analysis and Interpretation of Data resulted from Materials Characterizations

(Date: 26th to 30th October, 2020)



Organized by
Department of Chemical
Engineering,
Malaviya National Institute of
Technology Jaipur
J.L.N. Marg, Jaipur-302017,
Rajasthan, India
<http://www.mnit.ac.in/>

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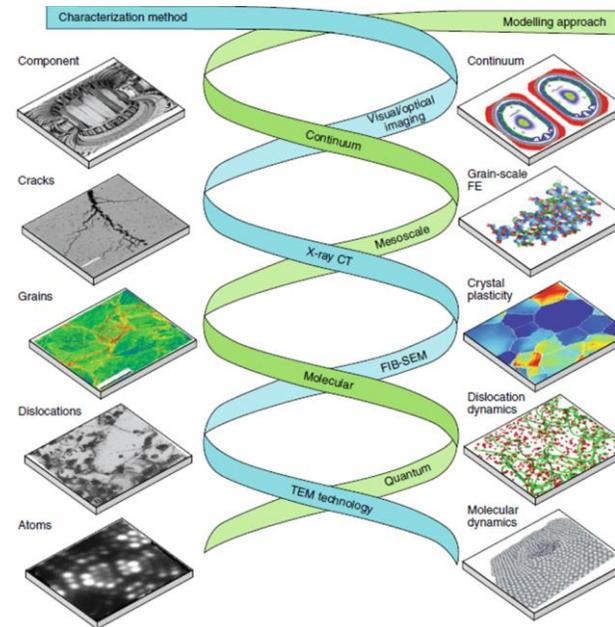
Dr. Madhu Agarwal
(Head, Department of Chemical Engineering)

Conveners

Dr. Sonal
Dr. Surajit Ghosh
Dr. Neetu Kumari

Co-ordinators

Dr. Oayes Midda
Dr. Rohidas Bhoi



About MNIT

The Institute, earlier known as MREC, was established in 1963 as a joint venture of the state and central Governments. Later in 2002, the college was given the status of National Institute of Technology. MNIT campus spreads over 325 acres of lush green area in the prime location of Jaipur city. The institute offers various academic activities in addition to research, consultancy and development. The Institute offers UG and PG (M. Tech./M.Sc. & Ph.D.) level courses to about 5000 students in almost all leading fields of engineering, technology, management, and sciences. MNIT Jaipur ranked at 35th position in NIRF 2020 Ranking.

About the Department

The Department of Chemical Engineering was commenced in the year 1988. The PG programmes of M.Tech. and Ph.D. in chemical engineering was started in year 2006 and 2004, respectively. The current sanctioned strength of B.Tech. and M.Tech program is 96 and 30, respectively. The department is well equipped with good undergraduate and research laboratories. The curriculum has been designed to meet the programme goals and objectives that lay more stress on learning under the guidance of a vibrant and highly qualified faculty.

About the Short Term Course

The objective of this STC is to share the knowledge about data analysis of materials characterization and their interpretation to gain detailed insight about the materials. Proper understanding and skill to analysis characterization data can identify great deal of information about synthesised materials. This course is aimed to disseminate the data analysis and their utilization from majorly utilized materials characterization techniques. Academic and Industrials experts in such fields are invited to share their expertise and experience to maximize the understanding. Data analysis of materials characterization will be covered in this STC are

- XPS and UV-vis Spectrophotometer
- Raman Spectroscopy
- DRIFTS-FTIR
- XRD (Powder, Thin films, Single Crystal, Low-angle)
- AFM and Surface Topography
- GC and GC-MS
- Physical adsorption technique (BET surface area)
- TPR, TPD, TPO and Chemisorption study
- Potentiometer
- Ion Chromatography
- TEM, HRTEM, SEM, SAED, EDS

Key Speakers

Dr. K. K. Pant

Professor, IIT Delhi

Dr. Rabibrata Mukherjee,

Professor, IIT Kharagpur

Dr. Surajpal Verma,

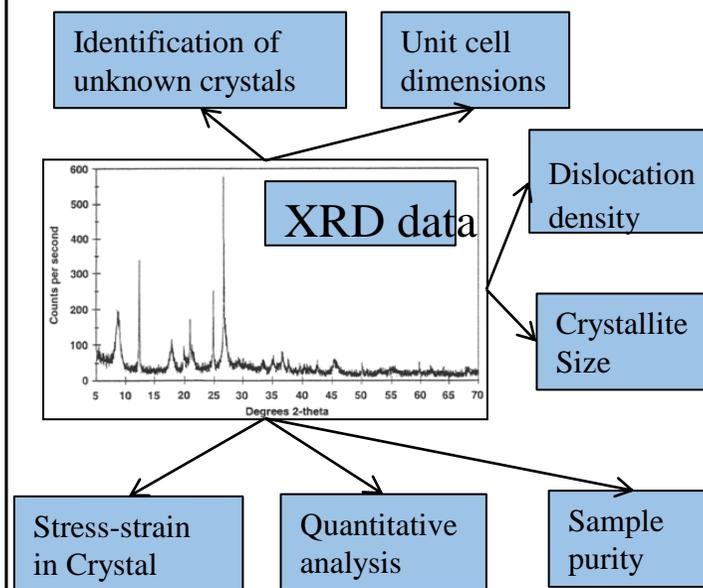
Plant Head, Ananta Medicare Limited

Dr. Rishi Gupta

Application Scientist, Anton Paar India Pvt. Ltd.

Mr. Niranjn Kothandaraman

Product Manager, Metrohm India Pvt. Ltd.



Registration Process

- Registration is open to faculty members, industrial personnel, PDF, RA, Ph.D., PG and UG students. Limited seats, shortlisting criteria: first cum first serve basis
- The participants will be awarded with an *e-certificate* based on successful completion of the course
- Please click on the link below for registration
- Last date of registration is **20th October 2020**

<https://forms.gle/BWHZ78a9dy3mF4r79>

Registration Fees:

The participation fee including GST is mentioned below.

For MNIT Students (UG/PG/PhD):	Rs. 200
Other Institute Student (UG/PG/PhD):	Rs. 500
People from Academics/Industry:	Rs. 700

Payment mode: NEFT/IMPS

Account Details: Registrar, MNIT Jaipur (TEQIP-III)

A/C No. 36875887782, SBI, MNIT Campus Jaipur, IFSC Code: SBIN0015921

Contact Persons

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