

3-days Workshop on

# MATERIALS CHARACTERIZATION

June 13-15, 2023

Material Characterization involves procedures for determining physical, chemical, mechanical and metallurgical properties of materials. This process leads to higher level of understanding needed by organizations and industries dealing with different types of materials. It helps in the management of materials and to resolve causes of failure and process-related problems



## WHAT'S INCLUDED?

The seminar would provide an interactive avenue for the practical challenges in conventional and emerging technologies in the field of material characterization.

- ◆ Material Management & Qualification
- ◆ Non-Destructive Evaluation
- ◆ Chemical Analysis (OES, XRF, EDS, ICP)
- ◆ Optical Microscopy
- ◆ Electron Microscopy (SEM, TEM)
- ◆ Thermal Characterization (TGA, DSC)
- ◆ Mechanical Testing



## REGISTRATION

- ◆ Professionals: Rs. 20,000/-
- ◆ Students: Rs. 5,000/- (Limited Seats)
- ◆ Exhibitors: Rs. 35,000/-  
(inclusive Certificate, Course Material, Lunch/Tea)

**Registration Deadline: June 1, 2023**

### Seminar Coordinators:

Dr. Arslan Ahmed Siddiqi (PI&TP), 0300-5172021  
Dr. Imran Nazir Qureshi (PAMF), 0331-5667163



## WHO SHOULD ATTEND?

- ◆ Technical Managers
- ◆ Inspection and maintenance engineers
- ◆ Researchers, Faculty and Students
- ◆ Quality Control personnel
- ◆ Material Failure Analysts
- ◆ Material Management Officials
- ◆ Material Procurement Officials



## BENEFITS TO ATTEND

- The Seminar would enable participants to:
- ◆ Develop an insight about the material quality assessment as per requirements
  - ◆ Learn to cope practical challenges regarding material management
  - ◆ Interact with material experts
  - ◆ Tour of PI&TP, PSM and NED for acquaintance with national technical resources and expertise
  - ◆ Opportunity for Networking of Industrial Equipment Manufacturers, Suppliers and potential clients

Jointly Organized by:



Pakistan Advanced  
Materials Forum  
(PAMF)



Pakistan Industrial  
& Technology  
Park (PI&TP)



Peoples Steel  
Mills, (PSM),  
Karachi



NED University,  
Karachi

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