



3 Day Workshop on 3D Scanning, Modeling & 3D Printing

July 11-13, 2023

Organized by CoE PIAM3D, National Centre for Physics, Islamabad



Objective and Scope of the Workshop:

This workshop is intended to provide a broad understanding of the complete cycle of processes involved in Additive Manufacturing and the benefits of embracing this technology, through lectures and hands-on sessions.

Layout of Workshop

First Day (Tuesday, July 11, 2023 – 10AM to 3.30 PM)

Lecture 1: Introduction to Additive Manufacturing Technologies

Lecture 2: An overview of PIAM3D Facility

Lecture 3: 3D Scanning for Quick Product Development

Hands-on Session 01: 3D Scanning of a Test Part

Second Day (Wednesday, July 12, 2023 – 10AM to 3.30 PM)

Hands-on Session 02:

- Metrology of the Test Part
- Reverse modeling from the Scanned Part

Lecture 4: Design for Additive Manufacturing (DFAM)

Hands-on session 03: DfAM of a Test Part

Third Day (Thursday, July 13, 2023 – 10AM to 3.30 PM)

Hands-on Session 04: 3D Printing of a Test Part (FDM)

Concluding Session: Interactive Session, Feedback Forms, Distribution of Certificates

Who Should Attend

- Undergraduate / Post-graduate Engineering or Sciences students / faculty; especially of mechanical engineering department.
- Fresh Engineering graduates who wish to get acquainted with latest technologies and trends in the global market pertaining to the field of Additive Manufacturing.
- Technical / managerial personnel in industry and R&D organizations who wish to explore the equipment, methodology and benefits of adopting / utilizing AM technologies for their production / design units.

Registration Fee

Students: Rs. 5000/-
Professionals: Rs. 10000/-

How to Apply

Registration form can be accessed at: <http://www.ncp.edu.pk>. Duly filled registration form should reach the Technical Coordinator before the deadline along with the Workshop Fee in favor of "Director National Centre for Physics". Scanned copies of same may also be sent through the given email.

Workshop Venue

NCP, Near Quaid-e-Azam University, Shahdara Valley Road, Islamabad

Patron-in-Chief

Dr. Mansoor H. Inayat, DG NCP

Director of Workshop

Dr. Aqeel Ahsan Khurram,
Director PIAM 3D

Speakers / Lecturers of Workshop

A team of professionals led by Dr. Naveed Ahsan, PD (PIAM 3D)

Contact Information:

Technical Coordinator

Ms. Sara Anwar

GM (Tech Coord) PIAM 3D

Email:

sara.anwar@ncp.edu.pk

Tel. 051-9006230

051-9006202

Fax. 051-9006298

Address: PIAM3D, NCP
Shahdara Valley Road, 44000
Islamabad

Deadline
June 26, 2023