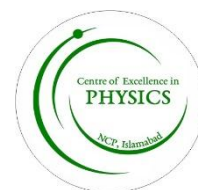




# 7<sup>th</sup> International Workshop on Ion Beam Applications

January 13-15, 2026

National Centre for Physics (NCP), Islamabad, Pakistan



## Introduction

The “7<sup>th</sup> International Workshop on Ion Beam Applications” is being organized at the **National Centre for Physics (NCP)**, from **January 13-15, 2026**. The workshop is centered around the Pelletron Tandem Accelerator and ion implanter facility available at NCP, which serves the national needs as well as international collaborators regarding ion beam applications in various scientific domains. The main idea of holding the workshop is to familiarize the students and researchers about the applications of accelerators in their respective fields of research. The workshop will highlight the emerging technologies and prospects in the field of ion solid interactions as well.

## Major Topics

- Ion beam induced defects in semiconductors, bulk materials and nanostructures
- Ion beam analysis techniques (RBS, ERDA, PIXE, PIGE)
- Thin film thickness, depth profiling, interface diffusion of elements, homogeneity of single and multilayer films
- Detection and monitoring of trace elements in sample matrix
- Analysis of light elements at the verge of detection limit
- Charged particle activation (CPA) and nuclear reaction study
- Low/High energy ion implantation/irradiation

## Participation

Research students, post-doctoral researchers, faculty members, scientists and engineers are encouraged to apply for this scientific activity. The students submitting abstract for oral or poster presentation (as per provided format) along with their application will be given preference during selection. Outstation participants will be provided with accommodation at NCP on payment basis.

## How to Apply

Online Registration Form can be accessed at <http://www.ncp.edu.pk/>. The Application form should be submitted before **15<sup>th</sup> December, 2025**.

## Registration Fee

Registration fee for Students	= Rs. 3000/-
Faculty members/Professionals	= Rs. 6000/-
Accommodation charges	= Rs. 3000/-

\*Travel support may be provided to selective students upon availability of funds.

**Online Application Deadline: 15<sup>th</sup> December 2025**

For further Information, Please Contact:

Activity Secretariat: [sem@ncp.edu.pk](mailto:sem@ncp.edu.pk)

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## Invited Speakers

Milko Jakšić (RBI, Croatia)  
Francis Chi Chung Ling (Hong Kong)  
Muhammad Bilal (China)  
Karen Cloete (South Africa)  
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