



5th International Workshop on Ion Beam Applications

11-13 September, 2023

Organized by: CoE Physics, National Centre for Physics, Islamabad



Introduction

A three-day "International Workshop on Ion Beam Applications (IBA)" is scheduled to take place at the National Centre for Physics (NCP) in Islamabad from **11-13 September, 2023**. The workshop is being organized with the support of (AS-ICTP), Trieste, Italy and has been successfully conducted in previous years. This upcoming event marks the continuation of this series.

Ion beams of various energies are widely used as a standard research tool in numerous scientific fields, ranging from basic physics to space science and technology, device fabrication, materials science, environmental science, medicine and medical sciences, cultural heritage, industrial applications to probing the Big Bang. They are advanced and versatile tools that consistently uncover new applications across a wide range of disciplines. In order to keep national and international users updated, the NCP regularly organizes IBA workshops. These workshops aim to provide a platform for international and national experts in Ion Beam Applications to deliver a series of lectures, hands-on training and offer a comprehensive view of the latest developments in this field. The objective is to raise awareness among young scientists, researchers, and engineers.

The workshop will primarily focus on the applications of accelerators science and technology, which is a multidisciplinary area encompassing various branches. The scope of this workshop includes following areas:

Topics

- Ion beam techniques for material analysis
- Ion beam modification of bulk materials/nanomaterials
- Irradiation related to biology, and biomedicine
- Industrial applications
- Applications of the radioactive ion beams
- Ion Implantation
- Focused ion beam applications
- X-rays and Gamma ray's production cross section study using heavy ions

Participation: Faculty members, scientists and engineers, Graduate and post-doctoral researchers are encouraged to apply for participation.

Registration Fee

Local Students: Pak Rs. 1500/- Outstation Students: Pak Rs. 2000/-
Employees: Pak Rs. 5000/-

How to apply

Application Form can be accessed at: <http://www.ncp.edu.pk/iwiba-2016.php>.

For further Information, Please Contact:

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Directors

Ishaq Ahmad (Pakistan)
Mohsin Siddiq (Pakistan)

Speakers

Ahmad Rifqi Md Zain (Malaysia)
Dee Chang Fu (Malaysia)
L. D. Yu (Thailand)
Karen Cloete (South Africa)
Mahmoud Izerrouken (Algeria)
Ikhioya I. LUCKY (Nigeria)
Abdoulaye Diallo (South Africa)
Nouman Amjad (Pak)
Naveed Afzal (Pak)
Ghulam Murtaza (Pak)
Muhammad shahid (Pak)
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Scientific Secretary

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**APPLICATION
DEADLINE
August 29, 2023**