



A Word from Director

We are dedicated to establishing the Institute as the ultimate launchpad for future leaders in the physical sciences through a steadfast commitment to innovation, collaborative curiosity, and academic rigor.

This latest volume of the IoP newsletter on the 50th anniversary stands as a testament to our flourishing academic environment, spotlighting the significant achievements of our faculty and students as they push the boundaries of research and education.



Highlighting our strong institutional alignment, the IoP faculty extended a warm welcome to Vice Chancellor **Prof. Engr. Muhammad Kamran** during a collaborative forum aimed to promote the Director's academic vision and securing continued leadership support for advanced physics research.

Significant Milestone for Academic and Research Collaboration

The Institute of Nuclear Medicine, Oncology & Radiotherapy (INOR) Abbottabad and the Institute of Physics (IoP), IUB have officially signed a Memorandum of Understanding (MoU), marking the beginning of a promising partnership.

The MoU was formally signed by Worthy Vice Chancellor **Prof. Dr. M. Kamran** and Director Institute of Physics (IoP) Prof. Dr. Altaf Hussain.

This collaboration aims to create a strong gateway for research students, particularly in the field of Medical Physics, fostering innovation, practical exposure, and advanced research opportunities. A step forward towards bridging academia and applied medical sciences for better future.



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IoP hosted the **3rd International Conference on Emerging Trends in Physics (ICETP-2025)** on December 5–6, 2025. This prestigious event served as a dynamic multidisciplinary platform for both local and international researchers, faculty, and students. Under the leadership of Patron-in-Chief Vice Chancellor Prof. Dr. Muhammad Kamran and Chief Organizer Prof. Dr. Altaf Hussain, the conference explored vital, cutting-edge research across diverse domains, including Materials Science, Medical Physics, Semiconductors & Nanotechnology, and Renewable Energy. The event concluded with a strong emphasis on encouraging future academic growth providing a collaborative environment to discuss current challenges and innovative solutions with selected research papers slated for publication in *New Trends in Physics*.

A standout highlight of ICETP-2025 was the specially organized "**Feminist Voice in Physics**" session, a dedicated forum designed to champion diversity and amplify the contributions of women in STEM. Led by prominent figures such as Conference Secretary Dr. Aalia Nazir and Focal Person Dr. Noor ul Ain, the session provided an inspiring platform for female physicists and scientists to present their groundbreaking research. The session not only celebrated the achievements of women in physics but also underscored the university's commitment to raising a more inclusive, diverse, and supportive environment for the next generation of female scientists.

The 3rd International Conference on Emerging Trends in Physics 2025 concluded with impressive **poster presentation session**. Throughout the session, participants explained their work to faculty members, researchers, and fellow attendees, creating a productive environment for scientific discussion and knowledge exchange. An independent and unbiased jury carefully evaluated each poster based on clarity, originality, presentation quality, and scientific contribution. The assessment process has now been completed, and the top three positions was selected. We applaud all participants for their hard work, dedication, and valuable contributions to the conference.





Seminar on Nuclear and Radiation Safety

On September 17, 2025, the IoP, alongside the Pakistan Nuclear Regulatory Authority (PNRA) and the National Institute of Safety and Security, hosted a seminar on “Nuclear and Radiation Safety in Pakistan.” Attended by Vice Chancellor Prof. Dr. Muhammad Kamran, Dean Prof. Dr. Ghulam Mustafa, and Director Prof. Dr. Altaf Hussain, the event highlighted regulatory practices, safety awareness, and academic opportunities regarding ionizing radiation. The seminar concluded successfully, with faculty and students gaining valuable insights into the practical applications and safety protocols of radiation in daily life.



The IoP hosted an intellectually stimulating session under its prestigious **Institutional Seminar Series**, featuring Prof. Dr. Iftikhar Ahmad, Chairman of the Department of Physics at the University of Malakand. Dr. Iftikhar delivered two thought-provoking talks on cutting-edge physics research, sparking meaningful dialogue among faculty and students. The academic significance of the event was elevated by the presence of Vice Chancellor Prof. Dr. Muhammad Kamran, who shared visionary remarks, alongside Dean Prof. Dr. Ghulam Mustafa and Dr. Muhammad Zahid, Director QEC at the University of Malakand.



IoP organized **5th Undergraduate Talk (UGT)** on November 12, 2025. UGT has been a great platform for students over the years, helping them sharpen their analytical and communication skills. This episode featured research presentations on Interdisciplinary Physics, followed by an engaging Q&A. After evaluation by the judges, top three presenters were: Muhammad Usman Shahzad, Hina Fatima, and Muneeba Meraj. Prof. Dr. Altaf Hussain, appreciated the students' efforts and thanked the faculty and UGT team.



IoP Hosts Spirit-Filled Annual Sports Gala

the IoP organized its Annual Sports Gala which brought together faculty, staff, and students for a vibrant display of athleticism, sportsmanship, and healthy competition. The gala concluded with a closing ceremony celebrating the hard work of the organizing committee and awarding trophies and certificates by Prof. Dr. Ghulam Mustafa to the winning teams and standout athletes.



IoP Students Embark on Educational and Recreational Trip to Multan

The Institute of Physics organized an exciting educational and recreational trip to Multan for its students. The excursion allowed students to explore historical landmarks combining academic enrichment with leisure engage with the rich cultural heritage of the "City of Saints," and visit key scientific or educational sites in the region. The trip provided a wonderful opportunity for students to refresh their minds outside the classroom, strengthen peer relationships, and adopt a spirit of collaborative learning.



Inter-University Quiz Competition

The Institute of Physics at The Islamia University of Bahawalpur (IUB) organized the **Inter-University Quiz Competition 2026**, featuring ten competing teams—six from IUB and four from Women University Bahawalpur. IoP, IUB students secured the first position, while Women University Bahawalpur's students graded second and third. Celebrating academic excellence and teamwork, the event concluded with winners receiving cash prizes and certificates, and all participants receiving certificates of recognition.



We are delighted to announce that several of our outstanding students have embarked on remarkable academic and professional paths this year. **Ghulam Mustafa and Asad Ali** has begun his PhD at the University of Science and Technology Beijing, while **Rashid Fareed** is pursuing his doctoral studies at the Beijing Forestry University of China, and **Zeeshan Qamar** has joined Beijing institute of technology, China for PhD. Numerous other IoP students have also secured opportunities at prestigious universities and leading global industries, making significant strides in their fields.

