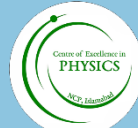




International School on Physics & Allied Disciplines

29 March – 02 April, 2027
Islamabad, Pakistan



The National Centre for Physics (NCP), Islamabad, Pakistan, and the Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy are jointly organizing the International School on Physics & Allied Disciplines (ISPAD) in Islamabad, Pakistan from 29 March – 02 April, 2027.

Introduction

The ISPAD event is organized regularly at NCP since 2009. The main idea of organizing this event is to bring together the researchers to share scientific knowledge and to provide the opportunities for international collaborations. Around 200 local students, researchers, university faculty and many foreign invited speakers and participants are expected to participate in this event.

Format

Each year, the topics (technical activities) of the school are chosen keeping in view the present and future research interests of NCP, universities and national R&D institutions. The School will consist of plenary, parallel and poster sessions as well as tutorials and structured discussions. The plenary sessions provide overview of advances while the parallel sessions cover the recent research on the specific topics.

Topics and Coordinators

A. High Energy Physics (HEP): Theory & Experiment

Phenomenology of Particles in and beyond the Standard Model, Flavor Physics, Quark Gluon Plasma, Statistical Concepts in High Energy Physics, Collider Physics, Silicon and Gaseous Detectors in High Energy Physics.

Coordinators: Dr. Saleh Muhammad (NCP), Dr. Wajid Ali Khan (NCP), Dr. Ishtiaq Ahmad (NCP), Dr. Shahin Iqbal (NCP)

B. Radiation Matter Interaction

Radioactive Ion Beams, Ion beam and Medical Accelerators and their Applications, Synchrotron Radiation, Spallation Neutron Sources & their Applications, Defects Engineering using Ion Beam, LINAC, Particle Matter Interaction, Ion Beam Analysis, Laser Physics.

Coordinators: Mr. Turab Ali (NCP), Dr. Kashif Shahzad (NCP), Dr. Rizwan Ahmad (NCP), Dr. Zeeshan Adeel Umar (NCP), Dr. Muhammad Shahid (PNRA)

C. Plasma Physics (PP): Theory & Applications

Space, Astrophysical and Basic Plasmas; Fusion Plasma; Laser Plasma; Quantum Plasma; Plasma Applications; Plasma Modeling and Simulation.

Coordinators: Dr. Shahid Ali (NCP), Dr. Shabbir Ahmad Khan (NCP), Dr. Rabia Jahangir (NCP), Dr. Waqas Masood (CIIT)

Participation:

Active graduate & postgraduate students, post-doctoral researchers, faculty and research scientists are encouraged to participate. Applicants with oral or poster presentation will be preferred. Best posters will be awarded.

How to Apply:

The online registration form can be accessed at: <http://www.ncp.edu.pk/ispad-2027.php>. The application form should be submitted by **Jan 01, 2027**. Selection will be made by the Scientific Committee of ISPAD-2027. Foreign applicants are required to attach/provide scans of the first two relevant pages of their passports valid at least six months after the ISPAD-2027 event. These documents to be submitted through email (ispad@ncp.edu.pk) before the registration deadline.

Abstract Submission:

Participants intending to present a paper are invited to submit an abstract (200–400 words) that includes the title, authors' names, affiliations, e-mail and postal addresses. The official language of the School is English. Abstracts or papers may be submitted online at <http://www.ncp.edu.pk/ispad-2027.php>.

Registration Fee:

Professionals / Faculty: Rs. 5000/-

Students: Rs. 2000/-

Travel reimbursement (partial/full) as per admissible rule may be provided to outstation candidates.

Selected applicants will be required to pay the registration fee via online payment. There is no registration fee for the invited speakers and foreign participants.

Sponsor:

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.

Directors

Dr. Qaisar Ahsan (NCP, Pakistan)

Dr. Joseph Niemela (ICTP, Italy)

Advisory Committee

Dr. Shunri Oda (Japan)

Dr. Xiulai Xu (China)

Dr. Atsushi Fukuyama (Japan)

Dr. Dimitri Batani (France)

Dr. Urs Wiedemaan (Switzerland)

Dr. Jose Tito Mendonca (Portugal)

Dr. Ahmed Ali (Germany)

Dr. Thomas Muller (Germany)

Dr. Adnan Bashir (Spain)

Dr. Asghar Qadir (Pakistan)

Dr. Faisal Akram (Pakistan)

Dr. Shakeel Abbas Rofi (Pakistan)

Dr. Javed Akhtar (Pakistan)

Dr. Kashif Sabeeh (Pakistan)

Dr. Jamil Aslam (Pakistan)

Scientific Committee

Dr. Muhammad Aftab Rafiq

(Scientific Secretary) (NCP, Pakistan)

E-mail: aftab.rafiq@ncp.edu.pk

Dr. Mohsin Siddiq (NCP, Pakistan)

Dr. Ashfaq Ahmad (NCP, Pakistan)

Dr. Muhammad Usman (NCP, Pakistan)

Invited Speakers (Tentative)

High Energy Physics (HEP)

Dr. Anadi Canepa (Fermilab)

Dr. Thomas Muller (Germany)

Dr. Adnan Bashir (Spain)

Dr. Arnd Meyer (Germany)

Dr. Jonathan R. Ellis (UK)

Prof. Dr. Keith Ulmer (USA)

Prof. Dr. Albert De Roeck (Switzerland/Belgium)

Dr. Ahmed Ali (Germany)

Dr. Urs Wiedemaan (Switzerland)

Dr. Adam Takacs (Switzerland)

Dr. Xin Nian Wang (China)

Dr. Jose Guilherme Milhano (Portugal)

Dr. Asghar Qadir (Pakistan)

Dr. Bilal Masood (Pakistan)

Dr. Faisal Akram (Pakistan)

Dr. Jamil Aslam (Pakistan)

Radiation Matter Interaction

Prof. Dr. Dongbin Qian (China)

Prof. Dr. Qiang Zeng (China)

Dr. Yanju Li (China)

Prof. Rogger Webb (UK)

Dr. Iva Bogdanovic Radovic (Cortia)

Prof. Mayeen Uddin Khandaker (Malaysia)

Plasma Physics (PP)

Dr. Atsushi Fukuyama (Japan)

Administrative Committee

Mr. Zia-ud-Din Kasi

Mr. M. Kamran Saadat

Dr. Ali Ahmad

Dr. Tanzeel Murtaza

Important dates

Last date for registration & abstract submission:

January 01, 2027

Poster Competition

Cash prizes for the Best-3 participants in Poster Competition.

Further Information

National Centre for Physics
Shahdara Valley Road, Islamabad, Pakistan

Tel: +92-51-2077300-348, 520

Fax: +92-51-2077342

ispad@ncp.edu.pk

www.ncp.edu.pk