



43rd INTERNATIONAL NATHIAGALI SUMMER COLLEGE ON PHYSICS & CONTEMPORARY NEEDS, NATHIAGALI, PAKISTAN (16th - 28th July 2018)



PATRON-IN-CHIEF

Mr. Muhammad Naeem

CHAIRMAN ORGANIZING COMMITTEE

Mr. Iqbal Hussain Khan

EXECUTIVE SECRETARY

Dr. M. Javed Akhtar

SCIENTIFIC SECRETARY

Dr. Manzoor Ikram

CO-SCIENTIFIC SECRETARY

Dr. Ashfaq Ahmad

EXPECTED FACULTY:

ACTIVITY - I: (16th-21st July 2018)

Applications of Synchrotron Light Sources

Prof. Richard Catlow, FRS, UK

Prof. Samar Hasnain, UK

Dr. Paul Dumas, France

Dr. Zahid Hussain, USA

Dr. Josef Hormes, Canada

Dr. Giorgio Paolucci, Jordan

Dr. Giuliana Aquilanti, Italy

Dr. Robert Rambo, UK

ACTIVITY - II: (16th-21st July 2018)

SMRs & Innovative Hybrid Energy Systems

Dr. Xing L. Yan, Japan

Dr. Ibrahim Khamis, Austria

Dr. Rizwan Uddin, USA

Dr. M. Hadid Subki, Austria

Dr. Francisco D'Auria, Italy

Dr. Rayman Soltych, China

ACTIVITY - III: (23rd-28th July 2018)

Pulsed Power Technology & Applied Electromagnetics

Dr. Zhanliang Wang, China

Dr. Ying-Hui Liu, China

Prof. Huang Hua, China

Dr. Ge Yi, China

Prof. Mirzahan Hizal, Turkey

Dr. Song Falun, China

ACTIVITY - IV: (23rd-28th July 2018)

Applications of Medical Physics & Biophotonics

Prof. Habib Zaidi, Switzerland

Dr. Rao Fawad Khan, USA

Dr. Marco Petasecca, Australia

Mr. Scot Dube, USA

Mr. Charles Shang, USA

Prof. Lothar Lilge, Canada

Prof. Stephen G. Bown, UK

Dr. Silke Krol, Italy

Dr. Thomas Bortfeld, USA

Dr. Naomi Matsuura, Canada

ACTIVITY - V: (23rd-28th July 2018)

Pre-Disposal & Disposal of Radioactive Waste & Spent Fuel Management

Ms. Li Tingjun, China

Dr. Nicolas Solente, France

Prof. Ryu Ho Jin, Korea

Prof. Kim Yonghee, Korea

Mr. Rosario Millet Romero-Giron, Spain

Mr. Paul Standing, Austria

Mr. Roberto Haddad, Argentina

Dr. Andrey Vladimirovich Guskov, Austria

Dr. Gerald Nieder-Westermann, Germany

Prof. Willie Meyer, Austria

Mr. Shen Lihua, China

International Nathiagali Summer Colleges (INSC) on Physics and Contemporary Needs have been organized every year since 1976. The idea of holding these Colleges came from the distinguished Nobel Laureate, Professor Abdus Salam who emphasized the vital need of communication, as well as for transferring and sharing scientific knowledge among the scientific community. The primary aim of the College is to break the isolation of the scientists of the developing countries by enabling them to interact with an international faculty. INSC provides an ideal interactive forum for open discussion of recent advancement in the cutting edge research among established scientists and early-career researchers in their respective fields; thereby instigating new proposals and ideas. Over the years, INSC has invited about 900 eminent scientists and keynote speakers from advanced countries including 07 Nobel Laureates from leading universities and research organizations. An interdisciplinary selection of speakers with more than 1100 foreign scientists from over 75 developing countries and about 9000 scientists from Pakistani R&D institutes and universities has brought together a diversified legion of academic scholars, planners and industry professionals; thus catalyzing new efforts of worldwide collaborations and networking with unrestrained scientific discussions amongst peers. The scientific activities of INSC aim at the broad coverage of topics at the frontiers of knowledge in Physics and allied sciences. Every year four to six subjects of current interest and their applications with special reference to needs of the developing countries are highlighted. This year the 43rd college is covering following topics:

ACTIVITY - I: (16th-21st July 2018)

Applications of Synchrotron Light Sources

ACTIVITY - II: (16th-21st July 2018)

SMRs & Innovative Hybrid Energy Systems

ACTIVITY - III: (23rd-28th July 2018)

Pulsed Power Technology & Applied Electromagnetics

ACTIVITY - IV: (23rd-28th July 2018)

Applications of Medical Physics & Biophotonics

ACTIVITY - V: (23rd-28th July 2018)

Pre-Disposal & Disposal of Radioactive Waste & Spent Fuel Management

SEMINAR/ POSTER PRESENTATION

Seminars or poster presentation will provide edge to candidates in selection

WORKING LANGUAGE

The working language of the college is English

VENUE

College will be held at National Center for Physics (NCP), Islamabad

FUNDING SUPPORT:

Boarding and lodging arrangements are the responsibility of the organizers. However, modest funds will be available to cover half of the travel expenses of some participants from the developing countries.

REGISTRATION:

Requests for participation should be made through INSC online application system. In case of student, form must also be signed by the Supervisor/HoD. The deadline for application is 31st March 2018. The selected candidates will be informed by 15th June 2018.

SPONSORS:

Regular sponsors of the College includes, Pakistan Atomic Energy Commission, Abdus Salam International Centre for Theoretical Physics (ASICTP), US National Science Foundation, Chinese Academy of Sciences, The European Organization for Nuclear Research (CERN) and National Centre for Physics.



DEADLINE

for receipt of participation requests

31st March 2018

For Application to Participate
please visit the following weblink.

<http://www.paec.gov.pk/insc>

<http://www.ncp.edu.pk/insc>

FOR FURTHER INFORMATION, PLEASE CONTACT:

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