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 and colleagues. INSC helps scientists to share knowledge and to learn from each other’s experiences, an opportunity, unique in the third world has thus been provided by this college to younger groups of active scientists for establishing and renewing contacts with world-renowned scientists. Over the years, about 790 eminent scientists and speakers including 06 Nobel Laureates, drawn from leading universities, research centers and industries of advanced countries, have lectured as faculty at INSC and shared their knowledge with more than 1042 foreign scientists from over 72 developing countries and 7630 scientists from Pakistani R&D institutes and universities. The scientific activities of INSC aim at the broad coverage of topics at the frontiers of knowledge in Physics and allied sciences. Every year one or two subjects of current interest and their applications with special reference to needs of the developing countries are highlighted. This year, the 40th college is covering the following topics:

1. **Accelerator & Detectors Technology**
   - ACTIVITY - I: (3rd-8th August, 2015)
2. **Plasmonics & Metamaterials**
   - ACTIVITY - II: (10th-15th August, 2015)
3. **6th Int. Workshop on Development of Tokamak Technology in Pakistan**
4. **3D Laser Printing & its Applications**
   - ACTIVITY - IV: (10th-12th August, 2015)

**SEMINAR/ POSTER PRESENTATION**
Seminars or poster presentations will provide edge to candidates in selection.

**WORKING LANGUAGE**
The working language of the college is English.

**VENUE**
College is traditionally held at scenic summer resort of Nathiagali near Islamabad.

**FUNDING SUPPORT**
Boarding and lodging arrangements are the responsibility of the organizers. However, modest funds will be available to cover the travel expenses, either in full or in part, of some participants from the developing countries.

**REGISTRATION**
Requests for participation on the prescribed form (e-mail or photocopy) should reach the Executive Secretary by 15th April, 2015. In case of student, form should be signed by the Supervisor/HoD. The selected candidates will be informed by 15th June, 2015.

**SPONSORS**
Regular sponsors of the College include 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.