



# National Centre for Physics

Islamabad, Pakistan

## International Scientific Spring

March 10-14, 2014



The National Center for Physics (NCP), Islamabad, Pakistan and the Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, are jointly organizing the International Scientific Spring (ISS-2014), March 10-14, 2014 at NCP, Islamabad, Pakistan. It will be directed by H. Saleem (NCP, Pakistan) and J. Niemela (ICTP, Italy).

### Introduction

The ISS series was started in 2009 to inspire young researchers and students working in the field of physics and related disciplines, and to help develop the human resource necessary for scientific, technological, industrial and economic growth. Traditionally, a large number of young researchers and students have participated in the ISS activities, along with many internationally renowned scientists: in ISS-2012 there were 25 foreign and 364 local speakers/participants while ISS- 2013 was attended by 21 foreign and 340 local speakers/participants. Together with support from the Abdus Salam ICTP, the ISS-2014 reflects NCP's expanding role in strengthening the scientific and technological collaborations in the region for the benefit of mankind. The ISS 2014 event comprises of plenary and parallel sessions in the four main topical areas listed below:

### Topics and Coordinators

- A. *Applications of Synchrotron Radiation*  
Coordinators: M. Kiskinova (Italy), G. Paolucci (Italy), H. Hoorani (Pakistan)
- B. *New Materials for Energy Applications*  
*"Synthesis, characterization and testing of nano materials for energy applications"*  
Coordinators: S. Krol (Italy) and S. T. Hussain (Pakistan)
- C. *Plasma Physics*  
*"Recent Research Trends in Plasma Physics"*  
Coordinators: M.Kono (Japan), H. Saleem (Pakistan), M. A. Baig (Pakistan), S. Ali (Pakistan)
- D. *Earth Systems*  
*"Oceanography, Atmospheric Physics, Climate Change, Isotope Hydrology, Glaciology, Geothermometry, Seismology, Earthquake Forecasting, Management of Marine Coastal and Inland Environment Pollution, In-situ Waste Remediation Technologies for Contaminated Soil and Groundwater Environment"*  
Coordinators: R. Aravena (Canada), M. Qasim Jan (Pakistan), M. M. Iqbal (Pakistan), M. Qaisar (Pakistan), R. M. Qureshi (Pakistan)

### Participation

Active graduate students, post doctoral researchers, faculty and research scientists who have published their research work in recognized international journals during the last three years are encouraged to apply for participation and presentation (oral or poster). Participants from the region as well as developing/ developed countries are also welcome to attend. All activities will be conducted in English. Local hospitality will be provided to all the participants. As a rule, travel expenses of the participants should be borne by their home institutes. However, partial travel assistance may be provided to selected local participants. A few travel grants may also be made available to the foreign participants especially from developing countries.

### How to Apply

*Online Registration Form* can be accessed at: <http://www.ncp.edu.pk:8080/CAAD/>. Submit application form not later than Dec. 31, 2013. Selection will be made by the Technical Committee of ISS-2014.

### Sponsors

Pakistan Academy of Sciences; Higher Education Commission; Pakistan Science Foundation; Commission on Science and Technology for Sustainable Development in the South (COMSATS)

**For further information, please contact:**

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### Directors

H. Saleem (NCP, Pakistan)  
J. Niemela (ICTP, Italy)

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**Application  
deadline**

**31 Dec. 2013**