

NCP WINTER SCIENCE CAMP



December 19, 2012

Schedule: 10:00 to 15:30 Hours
National Centre for Physics
Quaid-i-Azam University Campus
Shadara Valley Road, Islamabad



Name of Participating Student: _____

Class: _____

Father's Name: _____

CNIC or B-Form.: _____

Area of Interest: _____

Any Poster to be displayed: Yes / No _____

If yes then poster Title: _____

Residential Address: _____

Contact No.: _____

Name / Address of Nominating Institute: _____

Landline: _____ Fax: _____

E-mail: _____

Name of Coordinating Teacher / Professor: _____

Landline: _____ Cell No: _____

E-mail: _____

Name / Signature of Head / _____

Coordinator of Nominating Institute:

Official Stamp: _____

*(Note: Photocopy of this form is also acceptable and can be sent by email
(caad@ncp.edu.pk) as scan copy)*

**There is no registration fee for participation. Please sent registration form to
Director CAAD, NCP on or before December 17, 2012 (Monday)**

Picture paste
if available

Glimpses of Pakistani Students in the Asian Science Camp- 2011 (August 7-13 Daejon, Korea)



Pakistani Delegation with Nobel Laureate (Makoto Kobayashi)



Young Pakistani Students in front of ASC Official Logo



Group Photo of Supervisors of ASC-2011 with Nobel Laureates



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**National Centre for Physics (NCP)
Quaid-i-Azam University Campus
Shadara Valley Road, Islamabad**

Introduction

The National Centre for Physics (NCP) has been established on the lines of International Centre for Theoretical Physics (ICTP), Trieste, Italy to promote research in Physics and related disciplines, and to develop a science culture in the country. Since its inception, the NCP has been organizing different national and international scientific events every year in which a large number of young Pakistani students and researchers participate and interact with internationally renowned scientists.

The Pakistani Youth in Schools and Colleges represents the future of our country. The National Centre for Physics, Islamabad in collaboration with the Pakistan Science Foundation (PSF) is now launching a special programme for scientific awareness among science students of High Schools and Degree Colleges. The objective of the new programme is two fold. On one hand, it aims to enlighten the youngsters-the new generation through interactive scientific activities involving renowned Pakistani scientists & researchers, and on the other hand to identify and select competitive Pakistani Youth as nominees for the Asian Science Camp-2013. To achieve these goals, **NCP has evolved the concept of hosting 1 – 2 days long Science Camps at its Campus during winter, spring and summer seasons** for scientific orientation of the Pakistani youth in general and for

selection of talented and interactive young Pakistani students for participation in the Asian Science Camp (ASC)-2013 and other similar competitive scientific events worldwide. In this endeavour, the NCP has also identified the following important events (*which are also celebrated globally*) that will be organized within the framework of NCP Science Camp:

- *World Day for Water - March 22;*
- *Earth Day - April 22;*
- *World Environment Day - June 5;*
- *World Science Day for Peace & Development - Nov 10;*
- *Computer Security Day - November 30*

Pakistani Delegation represented twice in the Asian Science Camp, once in the ASC-2009 (*August 2-8, Tsukuba, Ibaraki, JAPAN*) and the other time in the ASC-2011 (*August 7-13 Daejeon, Korea*). The Pakistani Delegation could not participate in the ASC-2010 event held in India and in the ASC-2012 event held in Israel. The selection of participants for ASC has always been done diligently and keeping in view certain criteria for selection of most suitable, outstanding and enthusiastic students who can represent Pakistan in a befitting manner and can socialize easily with foreigners. At the start of the selection process for previously attended Asian Science Camps, the NCP contacted all main stream Schools and Colleges to send their nominations of outstanding students for participation in the Asian Science Camp. As such, NCP received nominations from different schools and colleges located in Karachi, Lahore, Islamabad and Rawalpindi including well reputed educational institutions like Aitchison College, Pakistan International School, Beacon House School System, City School System, Froebel's School System, Hassan Abdal Cadet College, Crescent Hall School, Roots School System etc. The students were evaluated on the basis of written essay and their inclination towards science followed by a detailed interview by a panel of experts.

The National Centre for Physics (NCP) is now holding the **First One Day Winter Science Camp-2012** in Collaboration with **Pakistan Science Foundation** at its premises located in the Quaid-i-Azam University Campus, Shahdara Valley Road on **December 19, 2012 (Wednesday)** from 1000 Hours to 15:30 Hours. Talented and interactive young Pakistani students from educational institute are encouraged to participate in the Winter Science Camp at NCP to have great learning experience. NCP

also deeply appreciates your feedbacks for the success of events under NCP Science Camp.

Event Theme

- To develop science culture among the youth in Pakistan
- To motivate and inspire young students of Schools & Colleges to adopt research careers in high grade science & technology.
- To inculcate the importance of Physics, Mathematics, Chemistry, Biology and allied subjects in pursuit of high tech research and development.

Scientific Programme

The programme includes thematic lectures, visit to scientific laboratories, orientation / poster session, group activities, discussions and display of models etc. Participants will be provided an opportunity to meet top ranking scientists and researchers of NCP and other institutes in Pakistan.

Participation & Registration

The NCP Winter Science Camp is open to young science students (*age Group: 14 – 21 years*) of High Schools as well as colleges & universities (upto B.Sc level) across Pakistan. NCP would like to invite nominations of high grade science students having genuine interest in science and research with outstanding inclination in pure sciences (*Physics, Mathematics, Chemistry, Biology and Environment*) along with coordinators (*1- 2 science teachers*) from participating Schools/Colleges in Pakistan to participate in the NCP Science Camp.

There is **No Registration Fee** for participation. Registered participants will be provided working lunch, refreshments and certificate of participation.

Registration can be made through Head/Principal/Chairperson of respective academic institutes using the attached Registration Form (*also available on NCP Website (www.ncp.edu.pk)*).

Deadline for registration is December 17, 2012 (Monday)

Executive Committee:

- Dr. Manzoor H. Somro, Chairman, Pakistan Science Foundation
- Dr. Hamid Saleem, Director General, NCP

Resource Persons

- Dr. Noor Muhammad Butt, Representative in Pakistan, Council for Lindau Nobel Laureates Meetings
- Dr. Hamid Saleem, Plasma Physics Department, NCP, Islamabad
- Dr. M. Aslam Baig (*H.I., S.I., T.I.*), Laser Physics Labs., NCP.
- Dr. H. R. Hoorani, High Energy Physics Department, NCP
- Dr. S. Tajammul Hussain, Nanosciences & Catalysis, NCP
- Dr. Riffat Mahmood Qureshi, Environmental Sciences, NCP
- Dr. Muhammad Qaiser, Centre for Earthquake Studies, NCP
- Muhammad Arif, Experimental Physics Department, NCP
- Dr. Haji Muhammad Akram, Vacuum Sciences, NINVAST
- Waqar Ahmed Butt, Project Coordinator (Pakistan) for Lindau Nobel Laureates Meetings

Science Camp Director:

- Dr. Riffat Mahmood Qureshi, Director CAAD, NCP (051-2077360, Cell: 0300-8568378)

Camp Coordinator / Contact Persons

- Zeeshan Ahmed Siddiqui, NCP (051-2077348, Cell: 0300-5003418)
- Dr. Naushaba Atta, PSF (051-9202294, Cell: 0333-5169101)
- Syeda Rehana Batool, PSF (051-9206379, cell: 0300-5369601)
- Raja Muhammad Jehangir, NCP (051-2077340, Cell: 0333-5468776)