

**Workshop on  
Contemporary Trends in High-Energy  
Physics and Instrumentation**

**10-11 March 2014**

**REGISTRATION FORM**

Name (Mr./Ms.): \_\_\_\_\_

Designation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Poster Presentation: \_\_\_\_\_

Number of accompanying persons: \_\_\_\_\_

If you need accommodation: \_\_\_\_\_

Date of Arrival: \_\_\_\_\_

Date of Departure: \_\_\_\_\_

**Local Advisory Committee**

Prof. A.K. Grover (Vice-Chancellor)

Prof. C.S. Aulakh

Prof. V.P. Singh

Prof. D. Mehta

Prof. N. Goyal

Prof. J.B. Singh

Prof. S.B. Beri

Prof. M.M. Gupta

Prof. M.M. Aggarwal

Prof. A.K. Bhati

**Local Organising Committee**

**Convener**

Prof. Manjit Kaur

**Secretary**

Prof. C.N. Kumar

**Members**

Dr. Vipin Bhatnagar

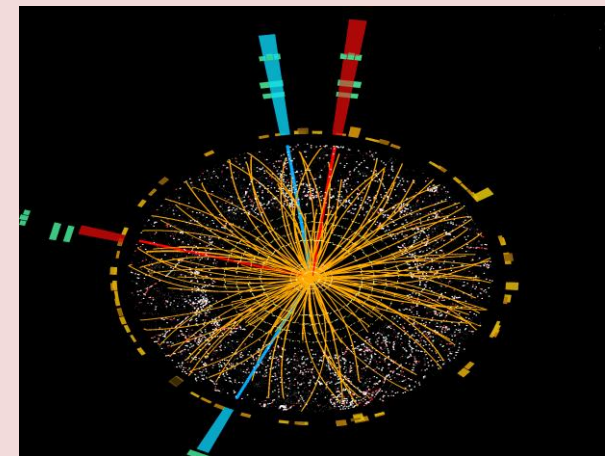
Dr. Kuldeep Kumar

Dr. Sunita Srivastava

Dr. Bimal Rai

**Workshop on Contemporary Trends  
in High-Energy Physics  
and Instrumentation**

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*Organised by*  
**Department of Physics  
Panjab University, Chandigarh**

## PANJAB UNIVERSITY

Panjab University has a long tradition of pursuing excellence in teaching and research in science and technology, humanities, social sciences, performing arts and sports. The University supports excellence and innovation in academic programs, research, scholarship and teaching and is committed to attracting and supporting the best students and recruiting faculty who excel at teaching and research. For more than a century, it has served various societal needs with distinction. The Indian Council of Social Science Research has set-up its North-Western Regional Centre on the Panjab University Campus. The Centre runs a library, a seminar complex and a guesthouse for visiting scholars under its study-grants program.

### DEPARTMENT OF PHYSICS- Profile

The Physics Department at Panjab University is one of the most prominent Physics Departments among Universities in India. Since its re-establishment in Chandigarh in 1958, it has launched nationally pre-eminent and internationally significant experimental and theoretical Research programs in the chosen areas of High Energy Physics, Nuclear Physics and Condensed Matter Physics along-with the teaching of undergraduate and post-graduate programs in Physics and Physics & Electronics. At present around 130 Research Scholars and 450 Post-Graduate and Under-Graduates are pursuing their academic interests.

The Department has gone through various stages of recognition since its inception with a humble beginning in research in Experimental High Energy Physics with the establishment of *Nuclear Emulsion* laboratory by Prof. B.M. Anand. The Nuclear Physics group got a boost with establishment of *Cyclotron Facility* by Prof. H.S. Hans. It has gone through various prestigious funding stages of UGC/DST/DAE for Research and Teaching such as; UGC COSIP (College Science Improvement Programme) and ULP (University Leadership Programme), SAP (Special Assistance Programme), COSIST (Committee on Strengthening of Infrastructure in Science and Technology), Center of Advanced Study (CAS) status since 1988 in all three major thrust areas of Physics, High Energy Particle Physics, Solid State Physics, Nuclear Physics and funding under DST-FIST-I/II

The Experimental High Energy Physics groups have been active members of several national and international collaborations – India Based Neutrino Observatory, CMS, & ALICE at CERN (Switzerland), Belle at KEK Japan, ZEUS at HERA and DZERO at Fermilab (USA), Fermilab Neutrino program. The Nuclear Physics groups are working at various accelerator facilities at IUAC (New Delhi), TIFR & BARC (Mumbai), IOP (Bhubaneswar), VECC & SINP (Kolkata) etc. Besides this, the department has established an 11-inch telescope to encourage/inculcate the scientific temper among public and with particular emphasis on college and school students. The department houses Indian Association of Physics Teachers (IAPT) office and actively leads in IAPT and IPA activities.

The Physics Department at Panjab University is proud to have the eminent scientists as its Alumni, which also includes the present Vice-Chancellor Prof. A.K. Grover, previous Vice-Chancellors, Prof. K.N. Pathak, Prof. S. Prakash and many others are excelling as Bureaucrats. Professor Yashpal, former UGC Chairman was faculty member of this department. The faculty members have been honored with Meghand Saha award, DAAD fellowship, DAE Young-Scientist award, DAE Ramanna fellowship, Fullbright fellowship, Commonwealth fellowship, INSA, NASI, IAS fellowships, besides Alexander von Humboldt fellowship and many others.

### OBJECTIVES OF THE WORKSHOP

The objective of the two-day workshop is to provide a common platform for interaction for physicists who are in search of current trends, new ideas, and aspirations in the field of High Energy Physics. The focus will be on the recent Higgs discovery, Neutrino and Flavor Physics, cosmology, search for Quark Gluon Plasma and applications of HEP for the benefit of Society. Experts from almost all the Indian institutions actively involved in High Energy physics will be the speakers.

### SCIENTIFIC PROGRAMME

The workshop will begin on **10<sup>th</sup> March 2014** with an inaugural function. The technical sessions will comprise of invited lectures, and poster sessions. **Proceedings of the workshop will be published.**

## REGISTRATION

All the participants are requested to register well in advance to help us in making arrangements efficiently. The registration would entitle entry into all scientific sessions, poster sessions. Registration fee for the participants would be as follows:

Category	Amount ₹
Faculty/Post-Doc	1000
Research Scholars	500
Students	300

Registration fee is to be paid at the workshop venue on the first day.

### ACCOMMODATION

The participants will be provided accommodation in guest/faculty houses. Arrangements will be made only after receiving the required information. Details of accommodation will be communicated later.

### ABSTRACTS

Poster Presentations by young research fellows will provide them opportunity to express their views and scientific work. Abstracts are invited for the same. Abstract should carry names and affiliation of authors. Name of presenting author should be underlined. Abstract may be submitted to **wcthepe2014@pu.ac.in** latest by **28<sup>th</sup> February 2014**.

### CONFERENCE SECRETARIAT

**Prof. C.N. Kumar**

**Mr. Amit Goyal**

**Ms. Ruchi Gupta**

**Ms. Monika Mittal**

**Ms. Genius Walia**

**Ms. Rama Gupta**

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<http://physics.puchd.ac.in/events/wcthepe2014>