



Department of Physics, Panjab University
in association with
Indian Association of Physics Teachers (IAPT)
is organizing
“Prof. H. S. Hans Centenary Memorial Lecture”



Prof. H S. Hans
(1922-2014)

Prof. H. S. Hans earned B.A. from Panjab University in 1945, M.Sc (Physics) degree from Banaras Hindu University in 1948 and Ph.D. from Aligarh Muslim University (AMU) in 1956. He established a 150 kV Cockcroft-Walton type accelerator at AMU in 1958. He served as Head, Department of Physics at Panjab University (1967-1979), where he established the Variable Energy Cyclotron that was gifted from Rochester University (NY). Prof. Hans played leading role for the Nuclear Physics community in proposing Accelerator-based centres for universities. The efforts resulted in the Inter-University Accelerator Centre, New Delhi, based on a 15 MV Tandem accelerator. Prof. Hans has dedicated his whole life in developing the Accelerator-based Nuclear Science in Indian Universities. He has been conferred with prestigious "INS Outstanding Service Award" instituted by Indian Nuclear Society under the category of Nuclear Science Education for the year 2011.

Dr. A.K. Mohanty

Chairman, Atomic Energy Commission & Secretary DAE,
Government of India



Speaks on

“ATOMS IN THE SERVICE OF NATION”

Abstract: The department of Atomic Energy is serving with the logo “Atoms in the Service of the Nation” which has its genesis to the famous speech of “Atom for Peace” delivered by President Eisenhower in 1953 to the United Nation. President Eisenhower specifically challenged scientists and engineers to harness the energy from atom for humanitarian applications in medicine, agriculture, and other non-power aspects of direct benefit to the humanity. Although majority of our citizen are aware of the contribution of nuclear technology to the production of electricity, most of are unaware of the impact of this technology is even greater for non-power applications. This talk will highlight how the atomic research is consistently delivering the benefits of nuclear science and technology by several ways in achieving Energy Security, Health Security, Food Security, Water Security, National Security of the country in addition to supporting world class research in nuclear science and technology.

Speaker's Biodata Former Director, Bhabha Atomic Research Centre (BARC) from March 2019 to September 2023, Director of Saha Institute of Nuclear Physics (SINP), Kolkata from June 2015 to March 2019 and Director of Physics group, BARC from July 2018 to March 2019. Dr. Mohanty has held several honorary positions. He served as Secretary and Member Secretary of BRNS Basic Science Committee from 2004-2010, General Secretary of India Physics Association (IPA) 2012-2016, President of IPA 2018-2020, India-CMS Spokesperson (CMS Experiment at CERN Geneva) 2013-2015, Dean, Academic, Physical & Mathematical Sciences, BARC, Homi Bhabha National Institute. Gold Medal in Graduation (1979, Radha Gobinda Trust, Mayurbhanj), Young Scientists Award of Indian Physical Society (IPS, Kolkata, 1988), Young Physicist Award by Indian National Science Academy (INSA, New Delhi 1991) and DAE Homi Bhabha Science & Technology Award (2001) by Department of Atomic Energy, Mumbai. Dr. Mohanty is a fellow of National Academy of Sciences and Indian National Academy of Engineering.

VENUE: Prof. B. M. Anand Auditorium, Dept. of Physics, Panjab University

ONLINE LINK: <https://webcast.puchd.ac.in>

DATE: 29th April, 2024

TIME: 11:00 am