

Resume

Norbert Holtkamp

SLAC National Accelerator Laboratory, Deputy Director

Presently I'm the Deputy Laboratory Director which I became in September 2014. In addition I'm a Professor in the Photon Science and Particle Physics & Astrophysics Faculty since November 2010. I work on strategic initiatives aligned with the Laboratory Agenda and the Department of Energy's strategic plans. In addition I manage the laboratories overall risk portfolio which presently includes more than \$2.0B worth of construction on the SLAC site. Between November 2010 and September 2014 I was the Associate Laboratory Director for the Accelerator Directorate at SLAC with the goal to operating a cost effective organization that can provide high quality services to the laboratory on a the daily business with the goal to lead the Accelerator Directorate into a sustainable future which will would give SLAC and Stanford the accelerator technology to build the next generation of accelerators essential to its core mission.

I have an M.S. equivalent degree in physics from the University of Berlin and a Ph.D. in physics from the Technical University in Darmstadt, Germany. My research interests include synchrotron radiation and neutron sources, fusion, high-energy colliders, linear accelerators, storage rings and accelerator-based neutrino physics. I have been involved in the research, the conception and the construction on a wide variety of projects and as a result served on many US Department of Energy (DOE) and National Science Foundation review committees dealing with technical, cost schedule and planning issues on Linear Colliders, Neutrino Factories and Neutrino beams, Synchrotron Radiation and XFEL designs, as well as high energy colliders. I was a member of the HEPAP sub-panel on long-range planning in high-energy physics in 2001/2002 and the International Technology Recommendation Panel (ITRP) which recommended the superconducting technology as the preferred choice worldwide for a Linear Collider in 2004. I was a member of the advisory panel for High Energy Physics at the National Academy of Science (EPP 2010). I chaired of the Particle Accelerator Conference in 2005, and the Linac Conference Chair in 2006. In June 2008 I received the Gersh Budker prize of the European Physical Society for recent, significant contribution to the accelerator field referring to the success of the SNS project

In April 2006 I was nominated as the Principal Deputy Director of the ITER organization. ITER, a partnership between seven members, EURATOM, China, India, Japan, Korea, Russia and the USA, comprises a construction project with a duration of approximately ten years and worth about 15 billion Euro plus twenty years of operation for approximately another five billion Euro. Before ITER, since January 2001, I have served as the director of the Accelerator Systems Division for the Spallation Neutron Source (SNS) at Oak Ridge National Laboratory (ORNL), which is a Pulsed Neutron Source that can provide 1-3 MW of average beam power. Before my assignment to SNS (1992-1998), I was a senior staff member at DESY (Hamburg, Germany). In that position I was responsible for operation of the injector linacs and for a research and development program for a normal conducting linear collider (S-Band), which included the construction, operation and exploitation of a 400 MeV electron test linac. During the program this technology was transferred to industry (ACCEL), and many linacs of this type are presently in operation worldwide.. After joining the Fermi National Accelerator Laboratory (FNAL) in 1998, I led a multi-laboratory study on the technical feasibility of an intense neutrino source based on a muon storage.