

Resume



Norbert Holtkamp
SLAC National Accelerator
Laboratory, Deputy Director

Presently I'm Professor of Particle and Particle Astro Physics and Photon Science at SLAC National Accelerator Laboratory at Stanford University which I joined in 2010. I stepped down from my Management- and Project Director position in August 2022. I'm presently on sabbatical at the Hoover Institution.

I was SLAC's Deputy Laboratory Director since September 2014. I led the conception and oversaw the implementation of the multi-laboratory partnerships of several DOE and DOE/NSF projects. Since 2019 I was the project director for the \$1.1B LCLS-II Free Electron Laser construction project, build by 5 US national laboratories, which transitions to operation by the end of 2022. I continue to work on strategic initiatives aligned with the Laboratories and Stanford's agenda and integrated in the Department of Energy's strategic plans. I managed the laboratories overall risk portfolio which included more than \$2.5B 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 lead the directorate into a sustainable future which would give SLAC and Stanford the accelerator technology to build the next generation of accelerators essential to its core mission.

In 2006, I was nominated as the Principal Deputy Director of the ITER organization, a functioned that I served until Nov 2010. ITER, a partnership between seven members, EURATOM, China, India, Japan, Korea, Russia and the USA, comprises a construction project worth more than 20 billion Euro, including almost two decades of construction and twenty years of operation. From 2001 to 2006, I served as the director of the Accelerator Systems Division for the \$1.4B Spallation Neutron Source (SNS) at Oak Ridge National Laboratory (ORNL), which still is the world's most powerful Pulsed Neutron Source that can provide 1-3 MW of average beam power and which was built by a collaboration of 6 national laboratories. Before my assignment to SNS, I was a senior staff member at DESY (Hamburg, Germany, developing linear accelerator technology which was later on very successfully transferred to industry. 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.

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