

Stanford



Amedeo Perazzo

Research Technical Manager, SLAC National Accelerator Laboratory

Bio

BIO

My main area of expertise is in the architecture of data acquisition and data analysis systems for high energy physics, astrophysics and photon science experiments. I'm currently the Director of the Controls & Data Systems Division within the Technology and Innovation Directorate at the SLAC National Accelerator Laboratory and PI of the ExaFEL project.

EDUCATION AND CERTIFICATIONS

- PhD, University of Pavia , Particle Physics (1999)
- Laurea, University of Pisa , Physics (1994)

PROJECTS

- Data Analytics at the Exascale for Free Electron Lasers - SLAC National Accelerator Laboratory, Stanford University, Lawrence Berkeley National Laboratory, Los Alamos National Laboratory

Professional

PROFESSIONAL INTERESTS

My research interests span diverse science and technology areas: pattern recognition, trigger/veto systems, silicon detectors, low noise electronics, Montecarlo simulations, large scale software development, advanced controls systems, data management and HPC.