



## Antonio Gilardi

Staff Engineer, SLAC National Accelerator Laboratory

### Bio

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#### BIO

Antonio Gilardi: received a Bachelor's and Master's degree (cum laude) in Electronics Engineering from the University of Naples Federico II, Naples, Italy, in 2017.

In 2021, he obtained the PhD degree with honor in Information Technology with the Department of Electrical Engineering and Information Technology at the University of Naples Federico II, collaborating with the European Organization for Nuclear Research (CERN), Geneva, Switzerland.

He was with the Hadron Synchrotron Collective effects in the Beam Department, CERN, where he worked on modeling new devices to dampen parasitic resonances.

During his PhD, he was part of the CERN Accelerator for Research (CLEAR) operation team, in which he was responsible for different research lines.

In particular, he worked on developing advanced beam diagnostic related to the measurements of the bunch length monitoring system in a particle accelerator and direct measurement of wakefield in new technology X-band accelerating structure.

Following, was enrolled as a post-doc at Lawrence Berkeley National Laboratory (LBNL), California, USA. His main research themes were mainly focused on developing laser combining methodology with the support of AI and consolidating/developing the control feature for laser systems.

Currently Antonio has joined SLAC National Laboratory working as a point of contact for 2 LCSL experiment.