

SERESSA 2022

The RADNEXT irradiation facility network

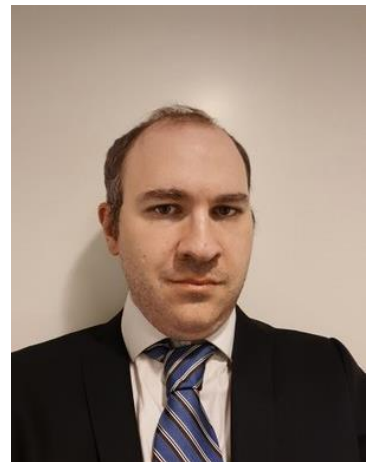
Andrea Coronetti, CERN, UM

Abstract:

RADNEXT is an EU financed 4-year project that gathers more than 30 partners involved in radiation effects on electronics research, including ~20 irradiation infrastructure capable of delivering ion, proton, neutron and other more exotic beams. RADNEXT aims at building and maintaining a European network of irradiation facilities while easing access to facilities to users from research and industry. This holistic approach includes many joint research activities including the harmonization of dosimetry techniques across facilities, the development of simulations tools for beamlines and radiation effects in devices, the reliance of alternative beams, such as X-rays as opposed to γ -rays for TID testing, and testing techniques, such as system-level testing.

Short Bio:

Andrea Coronetti received his PhD in Applied Physics from the University of Jyväskylä, Finland, in 2021 while working in the Radiation to Electronics (R2E) project at CERN. He is currently post-doc at the University of Montpellier, France, under RADNEXT while working at CERN. He has a transversal role throughout RADNEXT that involves his participation in the joint research activities of WP6 “System-level testing standardization” and stretches all over the various RADNEXT WPs dedicated to Transnational Access (TA).



Organizers:

