Claudio Torregrosa

Claudio Torregrosa is Nuclear Engineer with +10 years of experience in particle accelerators technology and holds a PhD in mechanical engineering. He started his career at the Royal Institute of Tehcnology (Stockholm) as R&D engineer in the Nuclear Safety Department. From 2013 to 2021 he worked at the CERN's engineering department, within the Targets, Collimators & Dumps Section. In this section, he carried out his PhD about the design and construction of the new antiproton production target (AD-Target), the only of its-kind currently in operation in the world. During these years he was also in charge of designing and executing several in-beam materials testing experiments at the HiRadMat Facility, participating in the design of beam intercepting devices, and management of refurbishment works in CERN's experimental areas. In 2021 he joined the IFMIF-DONES project, where he is currently leading the Safety Engineering section. In addition, he has been Diagnostics Coordinator, participated in DONES design reviews, and is the main responsible of the design and construction of the MuVacAS experimental facility to investigate vacuum loss accident scenarios and validate mitigation mechanisms. He has been also Principal Investigator in a R&D project funded by the Spanish Nuclear Regulatory Body and is participating in other nationals and European projects. His work has been acknowledged by several awards, such as the best Industrial Engineer Student's prize in the Universidad de Valencia, the best nuclear MSc Thesis within KTH, Uppsala and Chalmers Universities, and best poster contribution at the International Particle Accelerators Conference in Busan in 2016. He has authored more than 30 peer-reviewed publications in the fields of accelerators technology and acts as reviewer of international journals.