



Innovation for industry at European Research Infrastructures and ERICs cases:
European Spallation Source ERIC Accelerator and Detector Technologies –
Progress, Challenges, and Opportunities

3rd Webinar: ESS & Neutrons – An Exciting Future Ahead

21 April 2021 at 14:00 (CET)

Mohammad Eshraqi – Accelerator Physicist
European Spallation Source ERIC

Mohammad Eshraqi received his Ph.D. in Accelerator Physics from the Institute for Research in Fundamental Sciences (IPM, Teheran, Iran) in 2009, having done the dissertation work at CERN on the study of beam dynamics for SPL and Linac4 and their transfer-lines. During his Ph.D. studies, he has been involved in beam physics studies of ASACUSA and LHeC as well.

He then spent about 2 years as a postdoc with Lund University at CERN working on Linac4, SPL and ESS, before joining the ESS staff in Lund.

He has been the main lattice designer for the ESS linac. In 2013, he took on leadership of the ESS beam physics work package, and since 2015 he is the beam physics section leader. He led the licensing activities related to radiation within the accelerator division for the Application (permit) to start the commissioning of the normal conducting linac, NCL.

He has led the XLINAC taskforce of the EuCARD-2 project. Currently he also leads the linac work package of the ESSnuSB study, aimed at using an upgraded ESS linac to feed a long baseline neutrino experiment. He has served on the program committees and as a convener for the NuFACT and High Brightness Workshop series, and was the conference chair for HB2016.

