

You are cordially invited to register for the

12th Course of the International School of Radiation Damage and Protection

Challenges in Radiation Damage and Radiation Protection during Design and Operation of Accelerator Facilities and Space Missions

that will be held at "Ettore Majorana Foundation and Centre for Scientific Culture" in Erice (Sicily), Italy, from the 23rd October (arrival) until the 30th October 2023.

The course aims at bringing together experts in the field of radiation damage and activation with newcomers from science and industry in the unique settings of the Erice Centre near Trapani in Sicily. It gives an overview to the vast fields of radiation damage and related radiation protection at accelerator facilities and space missions that must both be equally addressed to ensure a reliable and efficient operation.

The participants will dive into the fundamental quantities and concepts as well as computational and experimental tools and methods for the assessment of radiation damage of materials and electronics, as well as radio-activation aspects of accelerator component and shielding materials. The course puts also emphasis on applications and lessons learned at high-energy accelerators, experiments, high power target facilities and light sources and addresses synergies with other areas such as space radiation applications and fusion facilities.

Further details on the venue along with information on the Ettore Majorana Centre and registration formalities can be found on the course website

http://indico.cern.ch/e/RadSchool_Erice

Registration is open on a first-come-first-served basis. Successful registrants will receive a confirmation e-mail by May 15, 2023 with a request to proceed with the payment of fees within a given delay in order to validate the registration. A waiting list will be open throughout the entire process and be considered afterwards.

Please feel free forwarding this invitation to colleagues in relevant application or research fields.

We look forward to a stimulating course and enriching discussions at Erice

Markus Brugger (CERN), Stefan Roesler (CERN), Vaclav Vylet (JLAB)

(Directors of the school)

Ruben Garcia Alia (CERN), Hee-Seock Lee (PAL), Nikolai Mokhov (FNAL)

(Directors of the course)