Radiation protection of astronauts in human missions to Mars: simulation and reality.

Join us to hear from the 2021 AIP Women in Physics lectureship award winner.

A/Prof Guatelli trained as a nuclear physicist at the University of Genova, Italy. In 2003 she had the opportunity to undertake a PhD in physics, based at the European Organization for Nuclear Research (CERN). Her enthusiasm for medical physics drove her to study possible radiation protection solutions for human mission to Mars (a project led by the European Space Agency) as her PhD research topic. In 2007 she moved to Australia and since 2009 she has been an academic at the School of Physics, University of Wollongong where she is the academic director of the Medical Radiation Physics Bachelor Degree. She is an internationally recognised expert of Monte Carlo simulations for medical applications, including radiation protection of astronauts.