

Session Program

17-18 Jun 2026



European Space Radiation Shielding Workshop 2026

Modelling, Tools and Database

ESA / ESTEC, ESCAPE Tennis Hall
Keplerlaan 1, 2201AZ Noordwijk, The Netherlands

Thursday 18 June

10:05

Modelling, Tools and Database: Session 1

Session | **Location:** ESA / ESTEC, ESCAPE Tennis Hall, Keplerlaan 1, 2201AZ Noordwijk, The Netherlands

10:05-10:25

Design for the Extreme: Planning Resilient Nuclear Infrastructure in High-Radiation Environments

Speaker

Jillis Raadschelders

10:30-10:35

MORED (Materials in Orbital Radiation Environments Database) Introduction

Speaker

Thomas Scone

10:40-11:00

Radiation Profile of the Australian "Roo-ver" Lunar Rover on the Moon's Surface

Speaker

Jayden Rinaldo

11:05

11:35

Modelling, Tools and Database: Session 2

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11:35-11:55

FASTRAD® 5.0 novelties: Modelling, calculation, post-processing modules and radiation protection.

Speaker

Dr Damien Herrera

12:00-12:20

Overview of ESA's Geant4-based tools for radiation shielding applications

Speaker

Marco Vuolo

12:25-12:45

From CAD to radiation shielding assessment: An integrated workflow for spacecraft radiation analysis using Space-Suite

Speaker

Benjamin RUARD

12:50-13:10

Multilayer Radiation Shielding Optimisation with GRAS and MULASSIS

Speaker

Mr Anton Fetzer

13:10