

Session Program

17-18 Jun 2026



European Space Radiation Shielding Workshop 2026

Materials Development

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

Wednesday 17 June

10:00

Materials Development: Session 1

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

10:05-10:25

Design and Manufacture of Lightweight Radiation-Shielding Layers via Cold Spray and Ceramic/Metal-Filled Epoxy Processing

Speakers

Dr Florin Duminica, Dr Neophytos Messios, Dr Sebastien Le Craz

10:30-10:35

Radiation testing of new lightweight shielding materials for spacecraft

Speaker

Aditi Katoch

10:40-11:00

Metal Coated Fibres for Space Radiation Shielding in Composites

Speakers

Mr Severin Luhr, Felix Schmidt

11:00

11:40

Materials Development: Session 2

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

11:45-11:50

A hydrogen-rich layered core for multifunctional spacecraft sandwich panels: manufacturing feasibility

Speaker

Tetiana Pittsyk

11:55-12:15

Accelerator testing of lightweight metal-composite radiation shieldings designed for electronic components onboard GEO satellites

Speaker

István Csige

12:20-12:25

Metal Matrix Composites for Shielding and Multifunctional Space Structures: A Flexible Manufacturing Platform

Speaker

Dr Istvan Mudra

12:30-12:35

Tailored Ceramic Metal Matrix Composites for Shielding and Multifunctional Space Structures

Speaker

Mr Szabolcs Bella

12:40-13:00

Symade.ai: a physics-informed computer-implemented method for radiation shielding materials discovery

Speaker

Chiara D'Orazio

13:00