

Session Program

24-25 Nov 2026

VISSA: VISible detection for Space Applications

Radiation effects

ESA-ESTEC, ERASMUS High-bay
Keplerlaan 1, Noordwijk, 2201 AZ

Wednesday 25 November

09:45

Radiation effects

Session | **Location:** ESA-ESTEC, ERASMUS High-bay, Keplerlaan 1, Noordwijk, 2201 AZ | **Convener:** Serena Rizzolo

09:45-10:05

Compendium of Current Total Ionizing Dose, Displacement Damage and Single Event Effects on CMOS image sensors

Speaker

Cédric Virmondois

10:25

10:05-10:25

Heavy ion testing of a CMOS image sensor for future space telescope missions

Speaker

Anabel Romero

10:55

Radiation effects

Session | **Location:** ESA-ESTEC, ERASMUS High-bay, Keplerlaan 1, Noordwijk, 2201 AZ | **Convener:** Serena Rizzolo

10:55-11:15

60Co Gamma-Ray Induced Displacement Damage in Modern CMOS Pixels: a Point Defect Study

Speaker

Antoine Salih Alj

11:15-11:35

Comparative Radiation-Induced Dark Current and Non-Uniformity Degradation on High Dynamic Range (HDR) CMOS Image Sensors

Speaker

R. A. Hebrío

11:35-11:55

Performance Degradation of a Commercial Front-Side Illuminated CMOS Image Sensor Under Femtosecond Laser Irradiation

Speaker

Eva Filliudeau

11:55