

Session Program

24-25 Nov 2026

VISSA: VISible detection for Space Applications

Timing, LIDAR, and event-based imaging

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

Tuesday 24 November

16:00

Timing, LIDAR, and event-based imaging

Session | **Location:** ESA-ESTEC, ERASMUS High-bay, Keplerlaan 1, Noordwijk, 2201 AZ | **Conveners:** Valérian Lалуcaa, Stéphane Demiguel

16:00–16:20

A Scalable Sub-Picosecond TDC Based on a Free-Running Oscillator for High-Density Timing Readout

Speaker

Luca Iodice

16:20–16:40

A 256×256 Flash-LiDAR SPAD Imager with Pixel-Distributed Coincidence Detection for Space Exploration

Speaker

Enrico Manuzzato

16:40–17:00

FLAMES: Radiation-Hard Flash-LiDAR CMOS Imager for Space Missions

Speaker

Ayman Morsy

17:00–17:20

Architectural Breakdown of Event-Based Pixels for Space Applications

Speaker

David Peninon Herbaut

17:20–17:40

Spatial Contrast Dependence of Event-based Contrast Transfer Function measured using an LCD monitor

Speaker

Louise Baehr

17:40