



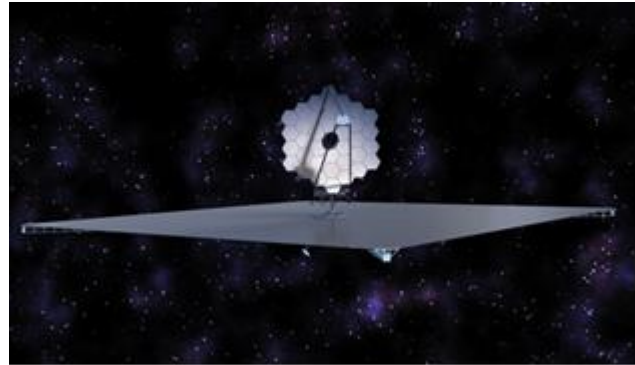
## CALL for ABSTRACTS

## WORKSHOP

### “Ultra-Violet Detectors and Instruments”

**28<sup>th</sup>-29<sup>th</sup> NOVEMBER 2018**

**ISAE-Supaéro**  
10 Avenue E. Belin, 31400 Toulouse



**Co-organised by CNES, ESA, CNRS, AIRBUS DEFENCE&SPACE, THALES ALENIA SPACE, ISAE-SUPAERO, TELEDYNE E2V**

**CNES, ESA, CNRS, AIRBUS DEFENCE&SPACE, THALES ALENIA SPACE, TELEDYNE E2V and ISAE SUPAERO** are pleased to invite you to the Workshop focused on Ultra-Violet detectors and instruments. This event will be held in Toulouse on November the 28<sup>th</sup>-29<sup>th</sup> 2018 within the framework of the **Optics & Optoelectronics (OOE) Community of expert (COMET)**.

The Ultra-Violet wavelength range allows to provide new insights in the framework of optical space missions. However, designers are confronted by specific problems to build such high-performance instruments.

The aim of this Workshop is to focus on Ultra-Violet detectors and instruments. The goal is to bring together all the community to discuss the challenges to develop such sensors and instruments, to discuss previous mission lessons and to share about future projects.

Although the workshop is mostly oriented to space applications, this event is fully open to researchers/user working within other applications. Developers working on non-space applications dealing with the same topics (e.g; Astronomy, Medical Imaging, photolithography...) are equally welcome to participate to this Workshop.

This Workshop is coupled with “Radiation effects on optoelectronic detectors” workshop which will be held the 27<sup>th</sup> – 28<sup>th</sup> of November. The two workshops will share the poster session and the cocktail.

Papers are solicited in the following areas:

#### Missions and instruments

- Design and architecture
- In flight
- Future missions
- Miniaturization
- Test facilities (WFE, radiometry...)

#### Detectors

- CCD (BSI, lumogen coated...)
- CMOS-based technology (CIS, SPAD, SiPM...)
- Photocathode-based detectors (e.g. PMT, MCP, hybrid PM)
- Specific technologies (e. g. passivation, ARC, annealing...°)
- Characterization test

#### Optics and calibration

- Material (glasses, windows, coating, treatment...)
- Contamination
- Filters
- Simulation tools in UV range (BRDF, ageing...)
- Gratings in UV

#### Tutorial

A tutorial will be proposed to the attendees during the workshop (45 min).

#### Workshop official language

Oral and poster presentations shall be requested for the workshop. The official language for the workshop is English.

#### Abstract submission

The authors are requested to prepare a one or two pages abstract in order to illustrate the relevance of their work. Oral and poster presentations are proposed. Oral presentations shall be limited to 20 minutes + 5 minutes for questions. The interactive poster session will be held at the end of the day, during the cocktail. Electronic proceeding will contain slides of the oral presentations and posters.

#### Registration

Registration is free of charge, but mandatory

On line registration: (will be open in September) 25€ per day to cover fees for organization, breaks and lunches.

#### Schedule

September 14<sup>th</sup>: Dead line for abstract submission  
 September 28<sup>th</sup>: Paper selection  
 October 20<sup>th</sup>: Final programme  
 November 11<sup>th</sup>: Deadline for registration  
 November 28<sup>th</sup>: Workshop

#### Organization committee

Cédric VIRMONTAIS	CNES
Nick NELMS	ESA
Olivier SAINT-PE	Airbus Defence and Space
Thierry VIARD	Thalès Alenia Space
Vincent GOIFFON	ISAE-SUPAERO
Etienne LE COARER	UGA IPAG
Coralie NEINER	CNRS LESIA
Jean-François MARISCAL Mustapha MEFTAH	CNRS LATMOS
Frédéric DEVRIERE	TELEDYNE E2V

Contact : [comet-ooe@cnes.fr](mailto:comet-ooe@cnes.fr)

Workshop location : ISAE Toulouse