

**Day 3 - Wednesday, 15/10/2025 - Spin-in: Non-Space Technologies for Space Optics**

Start	Stop	Title	Speaker	Affiliation
08:50	09:00	Introduction day 3	P. Hallibert	ESA
<b>Session #2-1</b>		<b>Disruptive Sensing Techniques</b>	<b>Session Chairs: to be announced</b>	
09:00	09:20	Steps Towards Fully Photonics Telescopes	Franz Martinache	OCA
09:20	09:40	Development of a novel, compact spectropolarimetric instrumentation line with LOUPE and PEARL	Chris van Dijk	Cosine Remote Sensing, Nova, Leiden Observatory, SETI
09:40	10:00	Flat retroreflective arrays and foils for satellite laser ranging	Moritz Vogel et al	DLR Institute of Technical Physics
10:00	10:20	Space Applications of Optical Fiber Sensors with or without Interrogation Modules	E. Haddad et al	MPBC, Xiphos, ESA
10:20	10:40	Advancing CubeSat-Based Research: Optical and Electronic System Experiments in Microgravity Aboard the ISS	Jose Pedreros et al	University of Chile, College of Charleston USA
10:40	11:10	<b>Coffee break</b>		
<b>Session #2-2</b>		<b>Novel Manufacturing Techniques</b>	<b>Session Chairs: to be announced</b>	
11:10	11:30	3D printing in fused silica: opportunities for space optics	Carolyn Atkins et al	STFC - UKATC
11:30	11:50	Manufacturing ELT M1 segments : large optics in a smart factory	Eric Ruch	SAFRAN REOSC
11:50	12:10	Tiny Telescope: Reaching diffraction limit resolution with a single optical element	Ramon Navarro et al	Tiny Telescope, NOVA
12:10	12:30	Surface Engineering Strategies for Additively Manufactured Optical Components in Space Applications	C. Orenshtein et al	Acktar
12:30	13:00	<b>Discussion sessions #2-1 and #2-2</b>		
13:00	14:00	<b>Lunch</b>		
<b>Session #2-3</b>		<b>Astronomical instrumentation: perspectives for space</b>	<b>Session Chairs: to be announced</b>	
14:00	14:20	Enabling Technologies for Space-Based Nulling Interferometry: Toward the Direct Characterization of Habitable Exoplanets	J. Loicq, TU Delft, et al	TU Delft, KU LEUVEN
14:20	14:40	Tunable Kernel-Nulling interferometry for direct exoplanet detection	Vincent Foriel et al	OCA, KU Leuven
14:40	15:00	Asgard/NOTT: the first nuller of the VLTI	Romain Laugier et al	KU Leuven
15:00	15:20	Compact high-contrast imaging in high spectral resolution with nulling interferometry and photonics	M-A Martinod et al	OCA
15:20	15:40	Photonic Lanterns for Astronomical Nulling Interferometry	Yinzi Xin et al	Caltech, U. of Leiden, U. Sidney,...
15:40	16:10	<b>Coffee break</b>		
<b>Session #2-4</b>		<b>Active Optics</b>	<b>Session Chairs: to be announced</b>	
16:10	16:30	Data Retrieval for a Novel Wavefront Sensor Based on an Optical Device and Deep Learning	Caroline Del Fresno	OHB System AG, ESA, Univ. Applied Sc. Munich
16:30	16:50	Hybrid Variable Reluctance Deformable Mirrors for Space (HVR-DM-S)	Stefan Kuiper et al	TNO
16:50	17:10	Qualification of a MEMS-Based Beam Steering Module for Space-to-Ground Optical Communications: Results from the OS2-VOLT Mission	Luis Jose Salazar-Serrano et al	Craft Prospect
17:10	17:30	Optical qualification of a large, contactless active mirrors for space telescopes	Runa Briguglio	INAF
17:30	18:00	<b>Discussion and wrap-up sessions #2-3 and #2-4</b>		
18:00	19:30	<b>Reception</b>		