

Day 3 - Wednesday, 15/10/2025 - Spin-in: Non-Space Technologies for Space Optics			
Start	Stop	Title	Affiliation
08:50	09:00	Introduction day 3	ESA
Session #2-1		Disruptive Sensing Techniques	Session Chairs: Ch. Buisset (ESA), O. Phul (ESO)
09:00	09:20	Steps Towards Fully Photonics Telescopes	OCA
09:20	09:40	Development of a novel, compact spectropolarimetric instrumentation line with LOUPE and PEARL	Cosine, Nova, Leiden Obs., SETI
09:40	10:00	Flat retroreflective arrays and foils for satellite laser ranging	DLR Institute of Technical Physics
10:00	10:20	Space Applications of Optical Fiber Sensors with or without Interrogation Modules	MPBC, Xiphos, ESA
10:20	10:40	Advancing CubeSat-Based Research: Optical and Electronic System Experiments in Microgravity Aboard the ISS	U. of Chile, College of Charleston
10:40	11:10	Coffee break	
Session #2-2		Novel Manufacturing Techniques	Session Chairs: T. Viard (TAS-F), E. Lhame (ESA)
11:10	11:30	3D printing in fused silica: opportunities for space optics	STFC - UKATC
11:30	11:50	Manufacturing ELT M1 segments : large optics in a smart factory	SAFRAN REOSC
11:50	12:10	Tiny Telescope: Reaching diffraction limit resolution with a single optical element	Tiny Telescope, NOVA
12:10	12:30	Surface Engineering Strategies for Additively Manufactured Optical Components in Space Applications	Acktar
12:30	13:00	Discussion sessions #2-1 and #2-2	
13:00	14:00	Lunch	
Session #2-3		Astronomical instrumentation: perspectives for space	Session Chairs: O. Phul (ESO), U. Wittrock (Muenster U. of Applied Sciences)
14:00	14:20	Enabling Technologies for Space-Based Nulling Interferometry: Toward the Direct Characterization of Habitable Exoplanets	TU Delft, KU LEUVEN
14:20	14:40	Tunable Kernel-Nulling interferometry for direct exoplanet detection	OCA, KU Leuven
14:40	15:00	Asgard/NOTT: the first nuller of the VLT	KU Leuven
15:00	15:20	Compact high-contrast imaging in high spectral resolution with nulling interferometry and photonics	OCA
15:20	15:40	Photonic Lanterns for Astronomical Nulling Interferometry	Caltech, U. of Leiden, U. Sidney,...
15:40	16:10	Coffee break	
Session #2-4		Active Optics	Session Chairs: U. Wittrock (Muenster U. of Applied Sciences), T. Viard (TAS-F)
16:10	16:30	Data Retrieval for a Novel Wavefront Sensor Based on an Optical Device and Deep Learning	OHB, ESA, U. Applied Sc. Munich
16:30	16:50	Hybrid Variable Reluctance Deformable Mirrors for Space (HVR-DM-S)	TNO
16:50	17:10	Development of deformable mirrors with large number of actuators	Bertin Alpao
17:10	17:30	Optical qualification of a large, contactless active mirrors for space telescopes	INAF
17:30	18:00	Discussion and wrap-up sessions #2-3 and #2-4	
18:00	19:30	Reception	