

**Day 4 - Thursday November 9th 2023 - Game changers**

Start	Stop	Title	Speaker	Affiliation
<b>Session #2-6</b>		<b>Active optics and correction systems : new developments</b>	<b>Session Chairs: Pascal Hallibert (ESA), Ulrich Wittrock (FH Muenster)</b>	
09:00	09:20	Model-free phase diversity with reinforcement learning for Non-Common Path Aberration correction	Yann Gutierrez et al	LESIA, ONERA
09:20	09:40	Membrane mirrors for large space telescopes	Sebastian Rabien	Max Planck Institute for Extraterrestrial Physics
09:40	10:00	Osteelos: A novel Optical Telescope with steerable line of Sight	Paolo Sandri et al	OHB, ESA
10:00	10:20	Pyramid WFS: sub-nanometer sensitivity, phasing capabilities and virtual active optics	Guido Agapito	INAF - Osservatorio Astrofisico di Arcetri, Firenze
10:20	10:50	<b>Coffee break</b>		
<b>Session #2-7</b>		<b>Novel components and techniques: manufacturing and design</b>	<b>Session Chairs: Thierry Viard (TAS), Julien Archer (ADS)</b>	
10:50	11:10	Technology development for nanostructured gratings	Laure Lee et al	Thales R&D France
11:10	11:30	Broadband antireflection structures on synthetic diamond for FIR	Susann Sadlowski	Fraunhofer IOF, Micro- and Nanostructured Optics
11:30	11:50	Hyperpolished off-axis optics using nanoparticle slurries: Concept and first results	Houda Bellahsene et al	ICGM, LAM
11:50	12:10	Towards freeform manufacturing of glass micro-optics	Samuel Benketaf et al	Ecole Polytechnique Fédéral de Lausanne (EPFL)
12:10	12:30	Artificial intelligence perspectives for optical design including freeforms and metasurfaces	Sebastien Heron et al	Thales R&D France
12:30	13:00	<b>Discussion and wrap up</b>		ALL
13:00	14:00	<b>Lunch</b>		