



Space Optics Instrument Design & Technology 2022

8 May – 13 May 2022, Poltu Quatu, Sardinia

Sunday, 8 May 2022

18:30 – 18:45	Welcome Luca Maresi / Bernd Harnisch (Organization Committee) <i>Conference area</i>
18:45 – 19:25	JWST – Optical Design and Alignment in Space Bernd Harnisch ESA retired <i>Conference area</i>
19:30 – 20:30	Welcome Reception <i>Pool Area</i>



Monday, 9 May 2022

Class A

Class B – Optical Experts

8:30 – 10:00	Introduction to CodeV Pt1 Adrien Tozzoli Synopsis (D)	Introduction to Optical Manufacturing Technologies Pt1 Roland Geyl, REOSC (FR)
10:00 – 10:30	Coffee Break	
10:30 – 11:15 11:15 – 12:00	Introduction to CodeV Pt2 Adrien Tozzoli Synopsis (D)	Introduction to Optical Manufacturing Technologies Pt2 Roland Geyl , REOSC (FR) <hr/> Metal Optics Pt1 Matthias Beier, SPACEOPTIX (DE)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	Introduction to Optical Manufacturing Technologies Pt1 Roland Geyl, REOSC (FR)	Introduction to CodeV Pt1 Adrien Tozzoli Synopsis (D)
16:30 – 17:00	Coffee Break	
17:00 – 17:45 17:45 – 18:30	Introduction to Optical Manufacturing Technologies Pt2 Roland Geyl , REOSC (FR) <hr/> Metal Optics Pt1 Matthias Beier, SPACEOPTIX (DE)	Introduction to CodeV Pt2 Adrien Tozzoli Synopsis (D)
20:00 – 22:00	Dinner	



Tuesday, 10 May 2022

Class A

Class B – Optical Experts

8:30 – 10:00	Introduction to CodeV Pt3 Adrien Tozzoli Synopsis (D)	Metal Optics Pt2 Matthias Beier, SPACEOPTIX (DE)
10:00 – 10:30	Coffee Break	
10:30 – 11:15 11:15 – 12:00	Introduction to CodeV Pt4 Adrien Tozzoli Synopsis (D)	Freeform Optics – Design and Applications Ulrike Fuchs, Asphericon (DE)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	Metal Optics Pt2 Matthias Beier, SPACEOPTIX (DE)	Introduction to CodeV Pt3 Adrien Tozzoli Synopsis (D)
16:30 – 17:00	Coffee Break	
17:00 – 17:45 17:45 – 18:30	Freeform Optics – Design and Applications Ulrike Fuchs, Asphericon (DE)	Freeform Design Optimisation with CodeV Adrien Tozzoli Synopsis (D)
20:00 – 22:00	Dinner	

Wednesday, 11 May 2022

Class A

Class B – Optical Experts

8:30 – 10:00	Grating Fabrication Technologies Uwe Zeitner, IOF (DE)	STOP Analysis of Optical Instruments TBC Simon Blake, Lisa Gambicorti ESA, (NL)
10:00 – 10:30	Coffee Break	
10:30 – 12:00	STOP Analysis of Optical Instruments TBC Simon Blake, Lisa Gambicorti, ESA (NL)	Grating Fabrication Technologies Uwe Zeitner, IOF (DE)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	Freeform Manufacturing and Metrology Ulrike Fuchs, Asphericon (DE)	Hands-On Session I Volker Kirschner/Bernd Harnisch, ESA (NL)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	Hands-On Session I Volker Kirschner/Bernd Harnisch, ESA (NL)	Freeform Manufacturing and Metrology Ulrike Fuchs, Asphericon (DE)



Thursday, 12 May 2022

Class A

Class B – Optical Experts

8:30 – 10:00	Polarization Scrambler and slit homogenizer technology Jerome Caron, TNO (NL)	Stressfree Optical Mounting Technologies Erik Beckert, IOF (DE)
10:00 – 10:30	Coffee Break	
10:30 – 12:00	Stressfree Optical Mounting Technologies Erik Beckert, IOF (DE)	AIT of On- and Off-axis telescopes Matthias Erdmann, ESA (NL)
12:30 – 16:30	Boat Trip including Lunch	
17:00 – 18:30	Hands-On Session II Volker Kirschner/Bernd Harnisch, ESA (NL)	Polarization Scrambler and slit homogenizer technology Jerome Caron, TNO (NL)
18:30 – 19:00	Coffee Break	
19:00 – 20:30	Detector Technology Kyriaki Minoglou, ESA (NL)	Hands-On Session II Volker Kirschner/Bernd Harnisch, ESA (NL)
21:00 – 23:00	Dinner	

Friday, 13 May 2022



Class A

Class B – Optical Experts

8:30 – 10:00	Innovation and Technology Management in Space Optics Luca Maresi, ESA (NL)	Detector Technology Kyriaki Minoglou, ESA (NL)
10:00 – 10:30	Coffee Break	
10:30 – 12:00	AIT of On- and Off-axis telescopes Matthias Erdmann, ESA (NL)	Hyperspectral CubeSat instruments overview Heikki Saari, VTT (FI)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	Hyperspectral CubeSat instruments overview Heikki Saari, VTT (FI)	Hands-On Session III Volker Kirschner/Bernd Harnisch, ESA (NL)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	Hands-On Session III Volker Kirschner/Bernd Harnisch, ESA (NL)	Innovation and Technology Management in Space Optics Luca Maresi, ESA (NL)
18:30 – 19:30	Closing Ceremony	
20:00 – 22:00	Dinner	