



## Space Optics Instrument Design 2020/21

9 May – 14 May 2021, Poltu Quatu, Sardinia

### Sunday, May 9, 2021

18:30 – 18:45	<b>Welcome</b> Bernd Harnisch / Luca Maresi (Organization Committee) <i>Conference area</i>
18:45 – 19:25	<b>Space Optical Technologies - an Introduction</b> Dominic Doyle ESA <i>Conference area</i>
19:30 – 20:30	<b>Welcome Reception</b> <i>Pool Area</i>



Monday, May 10, 2021

Class A

Class B

8:30 – 10:00	<b>Introduction to Zemax OpticStudio Pt1</b> Alessandra Croce, ZEMAX (GB)	<b>Introduction to Optical Manufacturing Technologies Pt1</b> Roland Geyl, REOSC (FR)
10:00 – 10:30	Coffee Break	
10:30 – 11:15 11:15 – 12:00	<b>Introduction to Zemax OpticStudio Pt2</b> Alessandra Croce, ZEMAX (GB)	<b>Introduction to Optical Manufacturing Technologies Pt2</b> Roland Geyl , REOSC (FR) <b>Metal Optics Pt1</b> Matthias Beier, IOF (DE)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	<b>Introduction to Optical Manufacturing Technologies Pt1</b> Roland Geyl, REOSC (FR)	<b>Straylight Modelization with Zemax OpticStudio Pt1</b> Alessandra Croce, ZEMAX (GB)
16:30 – 17:00	Coffee Break	
17:00 – 17:45 17:45 – 18:30	<b>Introduction to Optical Manufacturing Technologies Pt2</b> Roland Geyl , REOSC (FR) <b>Metal Optics Pt1</b> Matthias Beier, IOF (DE)	<b>Straylight Modelization with Zemax OpticStudio Pt2</b> Alessandra Croce, ZEMAX (GB)
20:00 – 22:00	Dinner	



Tuesday, May 11, 2021

Class A

Class B

8:30 – 10:00	<b>Introduction to Zemax OpticStudio Pt3</b> Alessandra Croce, ZEMAX (GB)	<b>Metal Optics Pt2</b> Matthias Beier, IOF (DE)
10:00 – 10:30	Coffee Break	
10:30 – 11:15 11:15 – 12:00	<b>Introduction to Zemax OpticStudio Pt 4</b> Alessandra Croce, ZEMAX (GB)	<b>Freeform Optics – Design and Applications</b> Ulrike Fuchs, Asphericon (DE)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	<b>Metal Optics Pt2</b> Matthias Beier, IOF (DE)	<b>Straylight Modelization with Zemax OpticStudio Pt3</b> Alessandra Croce, ZEMAX (GB)
16:30 – 17:00	Coffee Break	
17:00 – 17:45 17:45 – 18:30	<b>Freeform Optics – Design and Applications</b> Ulrike Fuchs, Asphericon (DE)	<b>Straylight Modelization with Zemax OpticStudio Pt 4</b> Alessandra Croce, ZEMAX (GB)
20:00 – 22:00	Dinner	



Wednesday, May 12, 2021

Class A

Class B

8:30 – 10:00	<b>Grating Fabrication Technologies</b> Uwe Zeitner, IOF (DE)	<b>Freeform Design Optimisation with Zemax OpticStudio</b> Alessandra Croce, ZEMAX (GB)
10:00 – 10:30	Coffee Break	
10:30 – 12:00	<b>Freeform Design Optimisation with Zemax OpticStudio</b> Alessandra Croce, ZEMAX (GB)	<b>Grating Fabrication Technologies</b> Uwe Zeitner, IOF (DE)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	<b>Freeform Manufacturing and Metrology</b> Ulrike Fuchs, Asphericon (DE)	<b>Hands-On Session I</b> Volker Kirschner/Bernd Harnisch, ESA (NL)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	<b>Hands-On Session I</b> Volker Kirschner/Bernd Harnisch, ESA (NL)	<b>Freeform Manufacturing and Metrology</b> Ulrike Fuchs, Asphericon (DE)

Thursday, May 13, 2021

Class A

Class B

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

Friday, May 14, 2021

Class A

Class B

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