



Space Optics Instrument Design & Technology 2025

11 May – 16 May 2025, Porto Cervo, Sardinia

Sunday, 11 May 2025

18:00 – 19:00	Registration and Welcome Reception <i>Pool area</i>
19:00 – 19:30	Welcome Ceremony Volker Kirschner / Luca Maresi / Bernd Harnisch (Organization Committee) <i>Conference area</i>
19:30 – 20:15	Calibration and L1 processing for hyperspectral imagers Antje Ludewig (NL) <i>Conference area</i>
20:30 – 22:00	Dinner



Monday, 12 May 2025

Class A

Class B – Optical Experts

9:00 – 10:30	Introduction to Zemax (Part 1) Flurin Heren, ZEMAX (UK)	Space Environment and Optics Dominic Doyle, (NL)
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Introduction to Zemax (Part 2) Flurin Heren, ZEMAX (UK)	Space Optical System Requirements Definition Jose Lorenzo, ESA (NL)
13:00 – 15:00	Lunch Break	
15:00 – 16:30	Space Environment and Optics Dominic Doyle, (NL)	Zemax Advanced Straylight Analysis (Part 1) Flurin Heren, ZEMAX (UK)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	Space Optical System Requirements Definition Jose Lorenzo, ESA (NL)	Zemax Advanced Straylight Analysis (Part 2) Flurin Heren, ZEMAX (UK)
20:00 – 22:00	Dinner	

Tuesday, 13 May 2025

Class A

Class B – Optical Experts

9:00 – 10:30	Introduction to Imaging Optical Systems Roland Geyl, (FR)	Zemax Advanced Straylight Analysis (Part 3) Flurin Heren, ZEMAX (UK)
10:30 – 11:00	Coffee Break	
11:00 – 11:45	System Budget Development Tibor Agocs, ESA (NL)	Zemax Advanced Straylight Analysis (Part 4) Flurin Heren, ZEMAX (UK)
11:50 – 12:35	Mechanical Engineering Jean-Christophe Salvignol, ESA (NL)	
13:00 – 15:00	Lunch Break	
15:00 – 16:30	Introduction to Zemax (Part 3) Flurin Heren, ZEMAX (UK)	Introduction to Imaging Optical Systems Roland Geyl, (FR)
16:30 – 17:00	Coffee Break	
17:00 – 17:45	Introduction to Zemax (Part 4) Flurin Heren, ZEMAX (UK)	System Budget Development Tibor Agocs, ESA (NL)
17:50 – 18:35		Mechanical Engineering Jean-Christophe Salvignol, ESA (NL)
20:00 – 22:00	Dinner	



Wednesday, 14 May 2025

Class A

Class B – Optical Experts

9:00 – 10:30	Mechanical Engineering Jean-Christophe Salvignol, ESA (NL)	Spectrometer Design Bernd Harnisch, (NL)
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Spectrometer Design Bernd Harnisch, (NL)	Mechanical Engineering Jean-Christophe Salvignol, ESA (NL)
13:00 – 15:00	Lunch Break	
15:00 – 16:30	Hands-On (Part 1) Volker Kirschner/Bernd Harnisch, ESA (NL)	Instrument Thermal Design and Analysis Romain Peyrou-Lauga, ESA (NL)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	Instrument Thermal Design and Analysis Romain Peyrou-Lauga, ESA (NL)	Hands-On (Part 1) Volker Kirschner/Bernd Harnisch, ESA (NL)
20:00 – 22:00	Dinner	



Thursday, 15 May 2025

Class A

Class B – Optical Experts

8:30 – 10:00	Straylight Analysis and Control Volker Kirschner, ESA (NL)	Optical Coating Design Angela Piegari, (IT)
10:00 – 10:30	Coffee Break	
10:30 – 11:15	Straylight Analysis and Control Volker Kirschner, ESA (NL)	Instrument Calibration Ralph Snel, TNO (NL)
11:20 – 12:05	Complex Procurement Luca Maresi, ESA (NL)	
12:30 – 16:30	Social Activity	
17:00 – 18:30	Instrument Calibration Ralph Snel, TNO (NL)	Hands-On (Part 2) Volker Kirschner/Bernd Harnisch, ESA (NL)
18:30 – 19:00	Coffee Break	
19:00 – 20:30	Hands-On (Part 2) Volker Kirschner/Bernd Harnisch, ESA (NL)	Performance Verification Maurice Te Plate, ESA (NL)
21:00 – 22:30	Dinner	



Friday, 16 May 2025

Class A

Class B – Optical Experts

8:30 – 9:15	Optical Coating Design Angela Piegari, (IT)	Straylight Analysis and Control Volker Kirschner, ESA (NL)
9:15 – 10:00		
10:00 – 10:30	Coffee Break	
10:30 – 11:15	Product Assurance for Optical Instruments Jorge Fiebrich, ESA (NL)	Straylight Analysis and Control Volker Kirschner, ESA (NL)
11:15 – 12:00		Complex Procurement Luca Maresi, ESA (NL)
12:30 – 15:00	Lunch Break	
15:00 – 16:30	Hands-On (Part 3) Volker Kirschner/Bernd Harnisch, ESA (NL)	Product Assurance for Optical Instruments Jorge Fiebrich, ESA (NL)
16:30 – 17:00	Coffee Break	
17:00 – 17:45	Performance Verification Maurice Te Plate, ESA (NL)	Hands-On (Part 3) Volker Kirschner/Bernd Harnisch, ESA (NL)
17:45 – 18:30		
18:30 – 19:30	Closing Ceremony	
20:00 – 22:00	Dinner	