



## Space Optics Instrument Design & Technology 2023

11 May – 16 May 2025, Porto Cervo, Sardinia

### Sunday, 11 May 2025

17:00 – 18:30	<b>Registration</b> <i>Conference area</i>
18:30 – 18:45	<b>Welcome Ceremony</b> Luca Maresi / Bernd Harnisch / Volker Kirschner (Organization Committee) <i>Conference area</i>
18:45 – 19:25	<b>Calibration and L1 processing for hyperspectral imagers</b> Antje Ludewig (NL) <i>Conference area</i>
19:30 – 20:30	Welcome Reception <i>Pool Area</i>
20:30 – 22:00	Dinner



Monday, 12 May 2025

Class A

Class B – Optical Experts

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



Tuesday, 13 May 2025

Class A

Class B – Optical Experts

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

Wednesday, 14 May 2025

Class A

Class B – Optical Experts

9:00 – 10:30	<b>Mechanical Engineering</b> Jean-Christophe Salvignol, ESA (NL)	<b>Spectrometer Design</b> Bernd Harnisch, (NL)
10:30 – 11:00	Coffee Break	
11:00 – 12:30	<b>Spectrometer Design</b> Bernd Harnisch, (NL)	<b>Mechanical Engineering</b> Jean-Christophe Salvignol, ESA (NL)
13:00 – 15:00	Lunch Break	
15:00 – 16:30	<b>Hands-On (Part 1)</b> Volker Kirschner/Bernd Harnisch, ESA (NL)	<b>Instrument Thermal Design and Analysis</b> Romain Peyrou-Lauga, ESA (NL)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	<b>Instrument Thermal Design and Analysis</b> Romain Peyrou-Lauga, ESA (NL)	<b>Hands-On (Part 1)</b> 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	<b>Straylight Analysis and Control</b> Volker Kirschner, ESA (NL)	<b>Optical Coating Design</b> Angela Piegari, (IT)
10:00 – 10:30	Coffee Break	
10:30 – 11:15	<b>Straylight Analysis and Control</b> Volker Kirschner, ESA (NL)	<b>Instrument Calibration</b> Ralph Snel, TNO (NL)
11:20 – 12:05	<b>Complex Procurement</b> Luca Maresi, ESA (NL)	
12:30 – 16:30	Social Activity	
17:00 – 18:30	<b>Instrument Calibration</b> Ralph Snel, TNO (NL)	<b>Hands-On (Part 2)</b> Volker Kirschner/Bernd Harnisch, ESA (NL)
18:30 – 19:00	Coffee Break	
19:00 – 20:30	<b>Hands-On (Part 2)</b> Volker Kirschner/Bernd Harnisch, ESA (NL)	<b>Performance Verification</b> Maurice Te Plate, ESA (NL)
21:00 – 22:30	Dinner	

## Friday, 16 May 2025

### Class A

### Class B – Optical Experts

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