Space Optics Instrument Design & Technology 2027

23 May – 28 May 2027, Porto Cervo, Sardinia

Sunday, 23 May 2027

17:30 – 19:00	**Registration & Welcome Reception** Jasmijn Willemse (Organization Committee) *Terrace*
19:00 – 19:15	**Course Opening** Volker Kirschner / Bernd Harnisch (Organization Committee) *Conference area*
19:15 – 20:00	**From faster-better-cheaper to New Space** Luca Maresi (ESA retired, I) *Conference area*
20:15 – 22:15	Dinner

Monday, 24 May 2027

	Class A	Class B Optical Specialists
9:00 – 10:30	**Space Environment & Optics** Dominic Doyle (ESA-retired, IRL)	**Space Optical System Management and Requirements Definition** **Jose Lorenzo Alvarez (ESA)**
10:30 – 11:00	Coffee Break	
11:00 – 12:30	**Space Optical System Management and Requirements Definition** Jose Lorenzo Alvarez (ESA, ESP)	**Introduction to Imaging Optical Systems** Roland Geyl (Geyl Optical Consulting, FR)
13:00 – 15:00	Lunch Break	
15:00 – 16:30	**Introduction to Imaging Optical Systems** Roland Geyl (Geyl Optical Consulting, FR)	**Space Environment & Optics** Dominic Doyle (ESA-retired, IRL)
16:30 – 17:00	Coffee Break	
17:00 –18:30	**ZEMAX 1** Roland Geyl (Geyl Optical Consulting, FR)	**Spectrometer** Bernd Harnisch (ESA-retired, D)
20:00 – 22:00	Dinner	

Tuesday, 25 May 2027

	Class A	Class B Optical Specialists
9:00 – 10:30	**Optical tolerancing, allocations and budgets** **Tibor Agócs** (ESA, HU)	**ZEMAX 1** Roland Geyl (Geyl Optical Consulting, FR)
10:30 – 11:00	Coffee Break	
11:00 – 12:30	**ZEMAX 2** Roland Geyl (Geyl Optical Consulting, FR)	**Optical tolerancing, allocations and budgets** **Tibor Agócs** (ESA, HU)
13:00 – 15:00	Lunch Break	
15:00 – 16:30	**ZEMAX 3** Roland Geyl (Geyl Optical Consulting, FR)	**ZEMAX 2** **Straylight Modelling with ZEMAX** Rene Berlich (ESA, D)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	**ZEMAX 4** Roland Geyl (Geyl Optical Consulting, FR)	**ZEMAX 3** **Straylight Modelling with ZEMAX** Rene Berlich (ESA, D)
20:00 – 22:00	Dinner	

Wednesday, 26 May 2027

	Class A	Class B
9:00 – 10:30	**Spectrometer** Bernd Harnisch (ESA-retired, D)	**ZEMAX 4** **IR Imaging Optics** **Tibor Agócs** (ESA, HU)
10:30 – 11:00	Coffee Break	
11:00 – 12:30	**Mechanical Engineering #1** Jean-Christoph Salvignol (ESA, FR)	**Straylight Analysis and Control #1** Arvid Hammar, (ESA, S)
13:00 – 15:00	Lunch Break	
15:00 – 16:30	**Straylight Analysis and Control #1** Arvid Hammar, (ESA, S)	**Hands-On Session I** Volker Kirschner/Bernd Harnisch, ESA (NL)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	**Hands-On Activity Session I** Volker Kirschner/Bernd Harnisch, (ESA, D)	**Mechanical Engineering #1** Jean-Christoph Salvignol (ESA)
20:00 – 22:00	Dinner	

Thursday, 27 May 2027

	Class A	Class B
8:30 – 9;15	**Optical Coating Design** Angela Piegari, Space Optics Advisor (ENEA retired, I)	**Mechanical Engineering #2** Jean-Christoph Salvignol (ESA, FR)
9:20 – 10:05		**Straylight Analysis and Control #2** Arvid Hammar, (ESA, S)
10:05 – 10:30	Coffee Break	
10:30 – 10:45	**Straylight Analysis and Control #2** Arvid Hammar, (ESA, S)	**Optical Coating Design** Angela Piegari, Space Optics Advisor (I)
10:50 – 12:35	**Mechanical Engineering #2** Jean-Christoph Salvignol (ESA, FR)	
12:35 – 16:30	Social Activity	
17:00 – 18:30	**Hands-On Activity Session II** Volker Kirschner/Bernd Harnisch, (ESA, D)	**Instrument Thermal Design and Analysis** Romain Peyrou-Lauga (ESA, FR)
18:30 – 18:45	Short Break	
18:45 – 20:15	**Instrument Thermal Design and Analysis** Romain Peyrou-Lauga (ESA, FR)	**Hands-On Session II** Volker Kirschner/Bernd Harnisch, ESA (NL)
20:45 – 22:45	Dinner	

Friday, 28 May 2027

	Class A	Class B
9:00 – 10:30	**Product Assurance for Optical Instruments** Jorge Fiebrich (ESA, D)	**Space Instrument Calibration** Gerard Otter (TNO, NL)
10:30 – 11:00	Coffee Break	
11:00 – 12:30	**Space Instrument Calibration** Gerard Otter (TNO, NL)	**Optical Performance Verification** Maurice Te Plate (ESA, NL)
13:00 – 15:00	Lunch Break	
15:00 – 16:30	**Optical Performance Verification** Maurice Te Plate (ESA, NL)	**Hands-On Activity Session III** Volker Kirschner/Bernd Harnisch, (ESA, D)
16:30 – 17:00	Coffee Break	
17:00 – 18:30	**Hands-On Activity Session III** Volker Kirschner/Bernd Harnisch, (ESA, D)	**Product Assurance for Optical Instruments** Jorge Fiebrich (ESA, D)
18:30 – 18:50	**Course Evaluation by the participants**	
19:30 – 20:30	**Closing Ceremony and Group Photo**	
20:30 – 22:30	Dinner	