2026 Optica ImageSense Congress

12-17 July 2026

The Maastricht Exhibition & Conference Centre

Maastricht, Netherlands

Optica ImageSense Congress is presented
as an in-person event with on-demand content.
Central European Summer Time (CEST, UTC+02:00)

Agenda of Sessions — Sunday, 12 July

13:00-17:00	**Registration Hours,** *Level 1, Trajectum*

Monday, 13 July

Central European Summer Time (CEST, UTC+02:00)	0.5 Paris	0.14 Singapore	0.2 Berlin-0.3 Copenhagen	0.4 Brussels	0.1 London	0.8 Rome	0.9 Athens
	Sensors	ES	AO	COSI	FTS	IS	AIS & pcAOP
07:30–18:30	**Registration Hours,** *Level 1, Trajectum*						
08:30–10:30	**JM1A • Optical Fiber Sensors for Biomedical and Applied Sensing**	**EM1B • Novel Sensing Techniques and Applications**	**OM1C • Wavefront Correction and Control** (ends at 10:15)	**CM1D • Digital Holography**	**FM1D • Space-borne FTS I: Instrumentation and Architectures**	**IM1E • Advances in Imaging Systems I**	**AM1F • New Frontiers of Industrial Sensing I: On the Field**
10:30–17:00	**Exhibit Hours,** *Level 0, Lobby North*						
10:30–11:00	**Coffee Break with Exhibitors,** *Level 0, Lobby North* *Sponsored by American Elements*						
11:00–12:30	**JM2A • Joint Plenary Session I,** *Auditorium 2*						
12:30–14:00	**Lunch (on your own)**						
14:00–16:00	**SM3A • Plasmonic Biosensing and SERS Technologies** (ends at 15:45)	**EM3B • Remote and Marine Sensing** (ends at 15:30)	**OM3C • Wavefront Sensing** (ends at 15:15)	**CM3D • Phase Retrieval and Compressive Imaging**	**JM3E • Fusion and High-performance Diagnostics** (ends at 15:45)	**IM3F • Sensors and Lightweight Imaging Systems**	**PM3G • Atmospheric Measurements I**
16:00–16:30	**Coffee Break with Exhibitors,** *Level 0, Lobby North* *Sponsored by American Elements*						
16:30–18:30	**JM4A • Terahertz Sensing and Sensors for Tomorrow**		**OM4B • AO in Ophthalmology I** (ends at 18:00)	**CM4C • Imaging through Complex Media and Tomography I**	**FM4D • Atmospheric Sensing and Field Deployable Instruments**	**IM4E • Advances in Imaging Systems II: Biomedical**	
18:30–20:00	**Conference Reception,** *Praetorium*						

Key to Conference Abbreviations

3D = 3D Image Acquisition and Display: Technology, Perception and Applications
AO = Adaptive Optics: Methods, Analysis and Applications
AIS = Applied Industrial Spectroscopy
COSI = Computational Optical Sensing and Imaging
FTS = Fourier Transform Spectroscopy
HISE = Hyperspectral/Multispectral Imaging and Sounding of the Environment
IS = Imaging Systems and Applications
LACSEA = Laser Applications to Chemical, Security and Environmental Analysis
Sensors = Optical Sensors
ES = Optics and Photonics for Sensing the Environment
pcAOP = Propagation Through and Characterization of Atmospheric and Oceanic Phenomena
QSM = Quantum Sensing and Metrology

Agenda of Sessions — Tuesday, 14 July

Central European Summer Time (CEST, UTC+02:00)	0.5 Paris	0.14 Singapore	0.2 Berlin-0.3 Copenhagen	0.4 Brussels	0.1 London	0.8 Rome	0.9 Athens
	Sensors & HISE	IS & LACSEA	AIS	COSI	FTS	ES	AO
07:30–17:00	**Registration Hours,** *Level 1, Trajectum*						
08:30–10:30	**STu1A • Point Optical Fiber Sensors I** (ends at 09:45)	**ITu1B • Biomedical and Industrial Application** (ends at 10:15)	**ATu1C • Agriphotonics: The New Frontier**	**CTu1D • Imaging through Complex Media and Tomography II**	**FTu1E • Space-borne FTS II: Missions and In-flight Performance**		**OTu1G • AO in Microscopy I** (ends at 10:15)
10:30–17:00	**Exhibit Hours,** *Level 0, Lobby North*						
10:30–11:00	**Coffee Break with Exhibitors,** *Level 0, Lobby North* *Sponsored by American Elements*						
11:00–12:00	**JTu2A • Sensing and Imaging Applications,** *Auditorium 2*						
12:00–13:00	**Optica Technical Group Workshop on Current Challenges and Opportunities in Adaptive Optics ,** *0.9 Athens* (RSVP Required, **Optica Members Only**)						
12:00–13:30	**Lunch (on your own)**						
13:30–15:30	**HTu3C • Remote Sensing Algorithms and Applications**	**LTu3B • Advances in Nonlinear Optical Diagnostics**	**ATu3A • New Frontiers of Industrial Sensing II: Probing the Extreme Scale of Matters**	**JTu3D • Super-resolution Imaging and Microscopy**	**FTu3E • Advanced Architectures in Frequency Comb Spectroscopy**	**ETu3F • From Ground to Space** (ends at 15:00)	**OTu3G • AO in Ophthalmology II** (ends at 15:00)
15:30–17:00	**JTu4A · Joint Poster Session I,** *Level 0, Lobby North* **Coffee Break with Exhibitors** *Sponsored by American Elements*						
17:00–19:00	**JTu5A • Roadmaps–Driving Innovation from Academia to Industry? (talks followed by a panel and social engagement),** *Auditorium 2*						

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Agenda of Sessions — Wednesday, 15 July

Central European Summer Time (CEST, UTC+02:00)	0.5 Paris	0.14 Singapore	0.2 Berlin-0.3 Copenhagen	0.4 Brussels	0.1 London	0.8 Rome	0.9 Athens
	Sensors	LACSEA & ES	AIS & HISE	COSI & IS	pcAOP	ES & QSM	AO & FTS
08:00–18:00	**Registration Hours,** *Level 1, Trajectum*						
08:30–10:30	**SW1A • Distributed Optical Fiber Sensors**	**LW1B • Biology and Geoscience Sensing**	**JW1C • Deep Learning in Photonics**	**CW1D • Polarimetric Imaging, Vectorial Beam Shaping and Volumetric Microscopy**	**PW1E • Atmospheric Measurements II**	**JW1F • Comb Spectroscopy for Atmospheric Sensing**	**OW1G • AO in Microscopy II** (ends at 10:15)
10:30–17:00	**Exhibit Hours,** *Level 0, Lobby North*						
10:30–11:00	**Coffee Break with Exhibitors,** *Level 0, Lobby North* *Sponsored by American Elements*						
11:00–12:00	**JW2A • Sensing and Imaging Materials and Devices,** *Auditorium 2*						
12:00–13:30	**Lunch (on your own)**						
12:00–13:00	**Optica Fabrication and Testing Technical Group Event "From Surface to System: The Manufacturing Perspective,** *0.2 Berlin-0.3 Copenhagen* (RSVP Required, **Optica Members Only**)						
13:30–15:30	**SW3A • Chemical Biological Sensors I**	**LW3B • Propulsion and Combustion Diagnostics**	**HW3C • Current and New Earth Observation Missions**	**CW3D • Spectral Imaging and Analysis** (ends at 15:15)	**PW3E • Free Space and Underwater Communications**	**QW3F • Nonclassical Light Sources for Sensing and Metrology I**	**FW3G • VUV Sensing and New Comb Approaches**
15:30–17:00	**JW4A • Joint Poster Session II** *Level 0, Lobby North* **Coffee Break with Exhibitors** *Sponsored by American Elements*						
17:00–18:30		**EW5A • Cavity and Photoacoustic Sensing** (ends at 18:15)	**HW5B • From Sensor to Science: What Is Limiting the Impact of Remote Sensing Today?**	**JW5C • High-speed Imaging Systems**	**PW5D • Laser Propagation Through Atmosphere I**	**QW5E • Nonclassical Light Sources for Sensing and Metrology II** (ends at 18:15)	**OW5F • Wavefront and Turbulence Measurement** (ends at 18:15)
18:30–21:00	**Walking Dinner at the Château** (RSVP Required. Bus Pickup: Main Entrance)						

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Agenda of Sessions — Thursday, 16 July

Central European Summer Time (CEST, UTC+02:00)	0.5 Paris	0.14 Singapore	0.2 Berlin-0.3 Copenhagen	0.4 Brussels	0.1 London	0.8 Rome	0.9 Athens
	Sensors	LACSEA/ES	AIS & HISE	COSI	pcAOP	QSM	3D
08:00–17:00	**Registration Hours,** *Level 1, Trajectum*						
08:30–10:30	**STh1A • Point Optical Fiber Sensors II** (ends at 10:15)	**JTh1B • Atmospheric and Environmental Chemistry Applications**	**ATh1C • Applied Industrial Sensing and Imaging**	**JTh1D • Microscopy and Biomedical Imaging**	**PTh1E • Laser Propagation Through Atmosphere II** (ends at 10:15)	**QTh1F • Nonclassical Light Sources for Sensing and Metrology III** (ends at 10:00)	**DTh1F • Advances in Light-field and Integral Imaging: Display, Perception, and Computational Reconstruction**
10:30–11:00	**Coffee Break,** *Level 0, Lobby North*						
11:00–12:30	**JTh2A • Joint Plenary Session II,** *Auditorium 2*						
12:30–14:00	**Lunch (on your own)**						
14:00–16:00	**STh3A • Chemical Biological Sensors II** (ends at 15:45)	**JTh3B • Gas Analysis and Environmental Sensing**	**HTh3C • Atmospheric Remote Sensing and Radiative Transfer Modeling**	**CTh3D • Quantitative Phase Imaging**	**PTh3E • Turbulence Characterization and Modeling** (ends at 15:45)	**QTh3F • Quantum Engineering with Optical Systems** (ends at 15:45)	**DTh3G • Frontiers in Holography, Lensless Microscopy, and 3D Computational Imaging**
16:00–16:30	**Coffee Break,** *Level 0, Lobby North*						
16:30–18:30	**STh4A • Chips and Metasurfaces I** (ends at 18:15)	**LTh4B • Combustion and Fire Diagnostics**	**ATh4C • System-level Translation of Techniques to the Field**	**CTh4D • Unconventional Imaging** (ends at 18:00)	**PTh4E • Wavefront Sensing and Adaptive Optics** (ends at 18:15)	**QTh4F • Quantum Timekeeping and Interferometry**	**DTh4G • Frontiers in Quantitative, Tomographic, and Multimodal Microscopy** (ends at 18:15)

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Agenda of Sessions — Friday, 17 July

Central European Summer Time (CEST, UTC+02:00)	0.5 Paris	0.14 Singapore	0.2 Berlin-0.3 Copenhagen	0.4 Brussels	0.8 Rome	0.9 Athens
	Sensors	LACSEA	AO/pcAOP	COSI	QSM	3D
08:00–15:00	**Registration Hours,** *Level 1, Trajectum*					
08:30–10:30	**SF1A • Chips and Metasurfaces II and Laser-based Sensors**	**LF1B • Diagnostics for Reacting Systems and Plasmas**	**JF1C • Turbulence Sensing and Compensation**	**CF1D • Computational Microscopy and Ptychography** (ends at 10:15)	**QF1E • Solid-state and Cavity-Enhanced Quantum Sensing Platforms**	**DF1F • Emerging Methods in Super-Resolution and 3D Single-Molecule Microscopy**
10:30–11:00	**Coffee Break,** *Level 0, Lobby North*					
11:00–12:30	**JF2A • Joint Postdeadline Paper Sessions,** *Auditorium 2*					
12:30–13:30	**Lunch (on your own)**					
12:30–16:30	**ETpathfinder R&D Field Lab Tours,** *Maastricht University's Randwyck Campus* (RSVP Required. Specific arrival instructions will be emailed to participants who RSVP'd directly.)					
13:30–15:30		**LF3A • Nonreacting Flow Diagnostics** (ends at 15:00)	**JF3B • Imaging Through the Atmosphere** (ends at 14:30)	**CF3C • Learning-based Computational Imaging**	**QF3D • Quantum Enhanced Bio-sensing and Imaging** (ends at 15:00)	**DF3E • Optical Sensing and Computational Imaging for Measurement, Reconstruction and Inference**
15:30–15:45	**Closing Toast**					

Online Access to Technical Digest Papers

Full Congress Registrants will have perpetual access to the digest papers through Optica Publishing's Digital Library starting 06 July 2026.

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