

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
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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 (ends at 10:15)	OM1C • Wavefront Correction and Control (ends at 10:15)	CM1D • Digital Holography	FM1D • Spaceborne 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 <i>Sponsored by American Elements</i>						
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	EM3B • Remote and Marine Sensing (ends at 15:45)	OM3C • Wavefront Sensing (ends at 15:30)	CM3D • Phase Retrieval and Compressive Imaging	JM3E • Fusion and High-performance Diagnostics	IM3F • Sensors and Lightweight Imaging Systems	PM3G • Atmospheric Measurements I
16:00-16:30	Coffee Break with Exhibitors, Level 0, Lobby North <i>Sponsored by American Elements</i>						
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 Copehagen	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 10:15)	ITu1B • Biomedical and Industrial Application (ends at 10:15)	ATu1C • Agriphotonics: The New Frontier	CTu1D • Imaging through Complex Media and Tomography II	FTu1E • Spaceborne FTS II: Missions and In-flight Performance	JTu1F • Industrial and Environmental Applications (ends at 10:00)	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 <i>Sponsored by American Elements</i>						
11:00–12:00	JTu2A • Sensing and Imaging Applications, Auditorium 2						
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 <i>Sponsored by American Elements</i>						
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)
10:30–16:30	Exhibit Hours, Level 0, Lobby North						
10:30–11:00	Coffee Break with Exhibitors, Level 0, Lobby North <i>Sponsored by American Elements</i>						
11:00–12:00	JW2A • Sensing and Imaging Materials and Devices, Auditorium 2						
12:00–13:30	Lunch (on your own)						
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 <i>Sponsored by American Elements</i>						
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 19:00)	OW5F • Wavefront and Turbulence Measurement (ends at 18:15)

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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 Copehagen	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 (ends at 10:30)	PTH1E • Laser Propagation Through Atmosphere II (starts at 09:00)	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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	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					
11:00–12:30	JF2A • Joint Postdeadline Paper Sessions					
12:30–13:30	Lunch (on your own)					
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	DF3E • Optical Sensing and Computational Imaging for Measurement, Reconstruction and Inference
15:30–15:45	Closing					

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