

2024 Optica Imaging Congress and Optica Sensing Congress
15–19 July 2024, Le Centre de Congrès Pierre Baudis, Toulouse, France

Optica Imaging Congress and Optica Sensing Congress are presented as in-person events with on-demand content.
 Central European Summer Time (CEST, UTC+02:00)

Agenda of Sessions — Monday, 15 July

Central European Summer Time (CEST, UTC+02:00)	Ariane 2	Caravelle 2	Ariane 1	Diamont	Guillaument 1	Spot	Argos	Guillaument 2
	AIS	COSI	SENSORS	QSM	LACSEA	LACSEA	MIXED	SENSORS
07:00–18:00	Registration, <i>Ariane Foyer</i>							
08:00–10:00	AM1A • Process Analytical Technology I	CM1B • Imaging Through Scattering Media	AM1C • AIS Panel: Where Does Spectroscopy Aim Next 10 Years: From the Lab to the Market	QM1D • Quantum Sensing with Solid-State Spins I	LM1E • Reacting Flow Diagnostics	LM1F • Chemical Sensing	IM1G • Spectroscopy and Multi-Spectral Sensing	SM1H • Optical Biological and Chemical Sensors I
10:00–10:30	Coffee Break with Exhibitors, <i>Ariane Foyer</i> Coffee break sponsored by American Elements							
10:30–12:00	AM2A • Process Analytical Technologies II	CM2B • Event Based Sensing / Neuromorphic Sensing		QM2C • Quantum Sensing with Solid-State Spins II	LM2D • IR Sensing	LM2E • Environmental Sensing	AM2F • Disease Detection and Diagnostics	SM2G • Sensors Workshop I
12:00–13:30	Lunch on Own							
13:30–15:30	AM3A • Photonics and Sensing	CM3B • Advances in Computational Microscopy I	SM3C • Single-Point Optical Fiber Sensors	QM3D • Quantum Sensing with Solid-State Spins III	LM3E • Advanced Flow Diagnostics	LM3F • Ultrafast Laser Applications	IM3G • Advances in Microscopy I	SM3H • Sensors Workshop II
15:30–16:30	JM4A • Joint Poster Session I, <i>Coffee with Exhibitors, Ariane Foyer</i> Coffee break sponsored by American Elements							
16:30–18:00	JM5A • GEMM Panel I, <i>Cassiopee</i>							
18:00–18:30	Break							
18:30–20:00	SpE2 • GEMM Reception, <i>Caravelle 1</i>							

Schedule subject to change. Please check the congress app for the most current schedule.

Key to Conference Abbreviations

A = Applied Industrial Spectroscopy (AIS)

C = Computational Optical Sensing and Imaging (COSI)

D = 3D Image Acquisition and Display: Technology, Perception and Applications (3D)

I = Imaging Systems and Applications (IS)

J = Joint Session

L = Laser Applications to Chemical, Security and Environmental Analysis (LACSEA)

O = Adaptive Optics: Methods, Analysis and Application (AO)

P = Propagation Through and Characterization of Atmospheric Oceanic Phenomena (pcAOP)

Q = Quantum Sensing and Metrology (QSM)

S = Optical Sensors (Sensors)

Sp = Special Event

Agenda of Sessions — Tuesday, 16 July

Central European Summer Time (CEST, UTC+02:00)	Ariane 2	Caravelle 2	Ariane 1	Diamond	Guillaument 1	Spot	Argos	Guillaument 2
	AIS	COSI	MIXED	QSM	LACSEA	LACSEA	MIXED	SENSORS
07:00–19:00	Registration, <i>Ariane Foyer</i>							
08:00–09:30	ATu1A • Enabling Technologies I	CTu1B • Advances in Computational Microscopy II	JTu1C • Adaptive Optics and the Atmosphere (Joint AO + pcAOP)	QTu1D • Atomic Clocks	LTu1E • Non-Equilibrium Gas Diagnostics	LTu1F • Mid-IR Gas Sensing	ATu1G • Enabling Technologies II	STu1H • Optical Biological and Chemical Sensors II
09:30–10:00	Coffee Break with Exhibitors, <i>Ariane Foyer</i> Coffee break sponsored by American Elements							
10:00–12:00	JTU2A • Joint Plenary Session I, <i>Cassiopee</i>							
12:00–13:30	Lunch on Own							
13:30–15:00	ATu3A • IR Sources for Industrial Applications	CTu3B • Computational Imaging using Tailored Illumination	STu3C • Distributed Optical Fiber Sensors I	QTu3D • Quantum Electromagnetic Sensing	LTu3E • Advanced Techniques and Special Applications	LTu3F • Image and Data Analysis Techniques	ITu3G • Advances in Biomedical Imaging	STu3H • Optical Biological and Chemical Sensors III
15:00–15:30	Coffee Break with Exhibitors, <i>Ariane Foyer</i> Coffee break sponsored by American Elements							
15:30–17:00	JTU4A • GEMM Panel II, <i>Cassiopee</i>							
17:00–17:15	Break							
17:15–18:30	JTU5A • Joint Postdeadline Paper Session (Sensing), <i>Caravelle 2</i>							

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Agenda of Sessions — Wednesday, 17 July

INDUSTRY FOCUS DAY								
Central European Summer Time (CEST, UTC+02:00)	Ariane 2	Caravelle 2	Ariane 1	Spot	Guillaument 1	Argos	Diamont	Guillaument 2
	AIS	COSI	SENSORS	IS	LACSEA	AO	QSM	3D
07:00–19:00	Registration, Ariane Foyer							
08:00–10:00	AW1A • Gas Sensing for Environmental and Energy Applications	CW1B • Tomographic Imaging	SW1C • Optical Biological and Chemical Sensors IV	IW1D • Novel Imaging Optics/Systems	LW1E • Sensing Beyond Gas Phase	OW1F • Microscopy and Bioimaging I	QW1G • Enabling Technologies for Integrated Quantum Hardware	DW1H • Deep Learning for 3D Imaging I
10:00–10:30	Coffee Break with Exhibitors, Ariane Foyer <i>Coffee break sponsored by American Elements</i>							
10:30–12:30	JW2A • Joint Plenary Session II, Cassiopée							
12:30–14:00	Lunch on Own							
14:00–16:00	AW3A • Agriphotonics, Food and Water Safety	CW3B • Ptychography I	SW3C • Distributed and Quasi-Distributed Optical Fiber Sensors	IW3D • Computational Imaging	LW3E • Laser Sensing Applications	OW3F • Ophthalmoscopy I	QW3G • Quantum-Enhanced Sensing I	DW3H • Deep Learning for 3D Imaging II
16:00–16:30	Coffee Break with Exhibitors, Ariane Foyer <i>Coffee break sponsored by American Elements</i>							
16:30–18:00			JW4A • Industry Panel I (Imaging)		JW4B • Industry Panel I (Sensing)			
18:00–19:30	SpE1 • Congress Reception, Caravelle 1							

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Agenda of Sessions — Thursday, 18 July

INDUSTRY FOCUS DAY								
Central European Summer Time (CEST, UTC+02:00)	Ariane 2	Caravelle 2	Ariane 1	Spot	Guillaument 1	Argos	Diamont	Guillaument 2
	MIXED	COSI	SENSORS	IS	pcAOP	AO	MIXED	3D
07:00–17:00	Registration, <i>Ariane Foyer</i>							
08:00–10:00	LTh1A • Advanced Spectroscopy Techniques	CTh1B • Ptychography II	STh1C • Laser Based Sensors I	ITh1D • QPI and Label Free Microscopy	PTH1E • Measuring and Modeling Propagation Quantities I	OTH1F • Wavefront Correctors	QTh1G • Quantum-Enhanced Sensing II	DTh1H • Sensing and Processing
10:00–11:00	JTh2A • Joint Poster Session II, Coffee with Exhibitors, <i>Ariane Foyer</i> <i>Coffee break sponsored by American Elements</i>							
11:00–12:30		JTh3A • Industry Panel II (Imaging)		JTh3B • Industry Panel II (Sensing)				
12:30–14:00	Lunch on Own							
14:00–16:00	CTh4A • Advances in Compressed Sensing	CTh4B • Machine Learned Imaging	STh4C • Terahertz I	ITh4D • Imaging Applications and Devices (General)	PTH4E • Measuring and Modeling Propagation Quantities II	OTH4F • Microscopy and Bioimaging II	RadIT	DTh4H • 3D Microscopy and Biomedical I
16:00–16:30	Coffee Break with Exhibitors, <i>Ariane Foyer</i> <i>Coffee break sponsored by American Elements</i>							
16:30–18:00		CTh5A • Inverse Problems in Imaging	STh5B • Terahertz II	ITh5C • Advances in Microscopy II, Super Resolution	PTH5D • Optical Communication Applications	OTH5E • Ophthalmology II		DTh5F • 3D Microscopy and Biomedical II
18:00–19:00	Industry Social Engagement Event, <i>Caravelle 1</i>							

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Agenda of Sessions — Friday, 19 July

Central European Summer Time (CEST, UTC+02:00)	Ariane 2	Caravelle 2	Ariane 1	Spot	Guillaument 1	Argos	Diamont	Guillaument 2
	COSI	COSI	SENSORS	IS	pcAOP	AO	RadIT	3D
07:00–17:00	Registration, <i>Ariane Foyer</i>							
08:00–10:00	CF1A • Advances in Lensless Imaging	CF1B • Unconventional Imaging	SF1C • Laser Based Sensors II	IF1D • Advances in Microscopy III	PF1E • Beam-Waves in Turbulence	OF1F • Wavefront Sensing	RadIT	DF1H • AR/VR and 3D Displays
10:00–11:00	JF2A • Joint Poster Session III with Exhibitors, <i>Ariane Foyer</i> <i>Coffee break sponsored by American Elements</i>							
11:00–12:30	JF3A • Joint Postdeadline Paper Session II (Imaging), <i>Caravelle 2</i>							
12:30–14:00	Lunch on Own							
14:00–16:00	CF4A • Advances in 3D Imaging	CF4B • Super Resolution	SF4C • Distributed Optical Fiber Sensors II	IF4D • Medical Imaging	PF4E • Laser and Beacon Applications	OF4F • AO Methods and Applications	RadIT	DF4H • 3D Acquisition I
11:00–12:30			JTh3A • Industry Panel II (Imaging)		JTh3B • Industry Panel II (Sensing)			
16:00–16:30	Coffee Break with Exhibitors, <i>Ariane Foyer</i> <i>Coffee break sponsored by American Elements</i>							
16:30–18:00			SF5A • Optical Fiber Sensors					DF5B • 3D Acquisition II

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