

2023 Optica Imaging Congress
14–17 August 2023, Boston Park Plaza Hotel, Boston, Massachusetts, United States
Hybrid Event – Eastern Daylight Time (UTC - 04:00)

Agenda of Sessions — Sunday, 13 August

Eastern Daylight Time (EDT, UTC - 04:00)	
15:00–18:00	Registration

Monday, 14 August

Eastern Daylight Time (EDT, UTC - 04:00)	Room	Room	Room	Room	Room	Room	Room
	3D	COSI	DH I	IS	pcAOP	DH II/RadIT	Flat Optics
08:00–18:30	Registration						
08:30–10:00	DM1A • Deep Learning for 3D Imaging	JM1B • Advances in Microscopy (Joint COSI and IS)	HM1C • Applications of Digital Holography and 3D Imaging I	HM1D • RadIT IA: X-rays and plasmas	CM1E • Advances in Compressed Sensing	HM1F • Computer Generated Holograms and Metasurface Holograms II	FM1G • Metasurface Polarization and Multiplexing
10:00–10:30	Coffee Break						
10:30–12:30	DM2A • Integral Imaging	JM2B • QPI and Label Free Microscopy (COSI and IS)	HM2C • Applications of Digital Holography and 3D Imaging II	HM2D • RadIT IIA: Medicine and Particles		HM2E • Digital Holography Session (Title pending)	FM2F • Fundamental Flat Optics and Metasurfaces
12:30–14:00	Lunch (on own)						
14:00–16:00	DM3A • 3D Sensing & Processing	CM3B • Computational Wide Field Microscopy	HM3C • Computer Generated Holograms and Metasurface Holograms (In Memoriam of ByoungHo Lee)	IM3D • Imaging Applications and Devices I- Biomedical		HM3E • RadIT IB: X-rays and Plasmas	FM3F • Flat Optics and Metasurface Components I
16:00–16:30	Coffee Break						
16:30–18:30	DM4A • 3D Image Acquisition I	CM4B • Ptychography	HM4C • Applications of Digital Holography and 3D Imaging III	IM4D • Spectroscopy and Multi-spectral Sensing I	PM4E • Aero-optics and FSO	HM4F • Contemporary Topics in Digital Holography and 3D Imaging I	FM4G • Flat Optics and Metasurface Components II

Key to Conference Abbreviations

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

C = Computational Optical Sensing and Imaging (COSI)

H = Digital Holography and Three-Dimensional Imaging (DH)

F = Flat Optics (FlatOptics)

I = Imaging Systems and Applications (IS)

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

Agenda of Sessions — Tuesday, 15 August

Eastern Daylight Time (EDT, UTC - 04:00)	Room	Room	Room	Room	Room	Room	Room
	3D	COSI	DH	IS	pcAOP	DH II/RadIT	Flat Optics
08:00–18:30	Registration						
08:00–08:30	Morning Coffee Break						
08:30–09:30	JTU1A • Plenary Session I, Avenue 34						
09:30–10:00	Coffee Break with Exhibitors						
10:00–16:30	Exhibit Hours						
10:00–12:00	DTu2A • 3D Microscopy I	CTu2B • Neuromorphic Sensing	HTu2C • Phase Processing, Retrieval Techniques, and Applications II	ITu2D • Computational Imaging and Image Processing	PTu2E • Special Session Honoring David Fried	HTu2F • RadIT IIB: Medicine (ends at 11:30)	FTu2G • Metasurface-Based Emerging Applications I
12:00–13:30	Lunch (on own)						
13:30–15:00	DTu3A • 3D Image Acquisition II	CTu3B • Machine Learned Imaging I	HTu3C • Phase Processing, Retrieval Techniques, and Applications III	ITu3D • Microcopy, Imaging, and Super-resolution II	PTu3E • Instrumentation and Correction	HTu3F • RadIT III: Proton Radiography	FTu3G • Advanced Design and Optimization for Metasurface I
15:00–16:30	JTU4A • Poster Session I Coffee Break with Exhibitors <i>Sponsored by American Elements</i>						
16:30–18:00	DTu5A • 3D Microscopy II (ends at 17:00)	CTu5B • Machine Learned Imaging II	HTu5C • Digital Holographic Techniques for Bio-imaging II	ITu5D • Imaging Applications and Devices II- Label	PTu5E • Aerosol Effects and Atmospheric Parameter Estimation	HTu5F • RadIT IV A: Muons and Lasers	FTu5G • Advanced Design and Optimization for Metasurface II
18:30–19:30	Social Hour (Tentative)						

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Agenda of Sessions — Wednesday, 16 August

Eastern Daylight Time (EDT, UTC - 04:00)	Room	Room	Room	Room	Room	Room	Room
	3D	COSI	DH	IS	DH/RadIT	pcAOP	Flat Optics
08:00–18:30	Registration						
08:00–08:30	Morning Coffee Break						
08:30–09:30	JW1A • Plenary Session II, Avenue 34						
09:30–11:00	JW2A • Poster Session II Coffee Break with Exhibitors <i>Sponsored by American Elements</i>						
10:00–16:30	Exhibit Hours						
11:00–12:30	DW3A • 3D Imaging Devices	CW3B • Advances in Lensless Imaging	HW3C • Phase Processing, Retrieval Techniques, and Applications I	IW3D • Imaging Applications and Devices III- Biomedical	HW3E • Contemporary Topics in Digital Holography and 3D Imaging III	PW3F • Atmospheric and Underwater Propagation	FW3G • Flat Optics and Metasurface Systems
12:30–13:45	Lunch (on own)						
13:45–16:00	DW4A • AR/VR Displays	CW4B • Imaging through Complex Scattering Media	HW4C • Holographic Display and Imaging Systems I (In Memoriam of John Sheridan)	IW4D • Imaging Applications and Devices III	CW4E • Super Resolution Techniques	PW4F • OAM and Novel Beams	FW4G • Characterization, Metrology and Nanofabrication for Flat Optics
16:00–16:30	Coffee Break with Exhibitors <i>Sponsored by American Elements</i>						
16:30–18:30	DW5A • 3D Displays	CW5B • Imaging through Dynamic Scattering Media	HW5C • Holographic Display II + Optical Elements and Application I	IW5D • 3D and Holography/Interferometry	FW5D • Imaging and Depth Sensing with Flat Optics	PW5E • Measurements, Testbeds, and Simulation	FW5G • Infrared Metamaterials and Metasurfaces
18:30–20:00	Conference Reception, Avenue 34						

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Agenda of Sessions — Thursday, 17 August

Eastern Daylight Time (EDT, UTC - 04:00)	Room	Room	Room	Room	Room	Room	Room
	3D	COSI	DH	DH/RadIT	IS	pcAOP	Flat Optics
08:00–14:45	Registration						
08:30–09:30	JTh1A • Joint Postdeadline Session						
09:30–10:00	Coffee Break with Exhibitors <i>Sponsored by American Elements</i>						
10:00–15:30	Exhibit Hours						
10:00–12:00	CTh2A • Spectroscopy and Hyperspectral Imaging	CTh2B • Applications of 3D Imaging	HTh2C • Contemporary Topics in Digital Holography and 3D Imaging II	HTh2D • RadIT V: Computational Imaging	ITh2E • Imaging Applications and Devices IV	PTh2F • Measurements and Experimental Campaigns	FTh2G • Active and Tunable Flat Optical Devices
12:00–13:30	Lunch (on own)						
13:30–15:00	CTh3A • Inverse Problems in Computational Imaging	CTh3B • Statistical and ML techniques for Inverse Problems	HTh3C • Digital Holographic Techniques for Bio-imaging I	HTh3D • RadIT VI	ITh3E • Spectroscopy and Multi-spectral Sensing II	PTh3F • Challenges: The Importance of Laser Light Interaction with Matter on Propagation Through Complex Media (Including the Interaction with ChatGPT)	FTh3G • Metasurface-Based Emerging Applications II
15:00–15:30	Coffee Break with Exhibitors <i>Sponsored by American Elements</i>						
15:30–17:00	HTh4A • RadIT VII		HTh4B • Digital Holographic Techniques for Bio-imaging III	HTh4C • RadIT VIIIB: Neutrons and X-rays	ITh4D • Imaging Applications and Devices V	CTh4E • Phase Retrieval and Wavefront Sensing	
17:15–17:45	Closing Reception						

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