

OSA Optical Design and Fabrication Congress

27 June – 1 July 2021

OSA Virtual Event– Eastern Daylight Time (UTC - 04:00)

Agenda of Sessions — Sunday, 27 June

Eastern Daylight Time (EDT, UTC-04:00)	Technical Program
08:00–12:00	SC495 • Modern Optics Drawings – ISO 10110
12:00–16:00	SC494 • Freeform Optics: Manufacturing and Characterisation Technologies
17:00–18:30	Plenary Session & Live Q&A - Joseph M. Howard, NASA Goddard Space Flight Center, USA

— Monday, 28 June

Eastern Daylight Time (EDT, UTC-04:00)	IODC Technical Program	OF&T Technical Program	Flat Optics Technical Program
06:00–07:30	IM1A • Tools and Methods in Lens Design I	JM1B • Freeform System Level Considerations (Joint Freeform and OF&T) (ends at 07:15)	
08:00–09:00	Dedicated Exhibit Time		
08:20–08:40	Technology Showcase: Optical Modules and Systems - Tailored OEM-Solutions <i>Presented by: Carl Zeiss Jena GmbH</i>		
10:00–12:00	Plenary Session and Awards: Julius Muschaweck, JMO Illumination Optics, Germany and James Wyant, University of Arizona, USA		
12:00–12:30	Meet the Plenary Speakers: Julius Muschaweck, JMO Illumination Optics, Germany and James Wyant, University of Arizona, USA		
12:30–14:00	Dedicated Exhibit Time		
14:00 –15:00	SpE5 • Why Professional Networking Matters		
15:30–17:30	IM3A • Optical Design and Method I (ends at 17:15)	OM3B • OF&T - System Level Considerations (ends at 17:15)	FM3C • Flat Optics and Metasurfaces I
18:00–20:00	IM4A • Optical Design and Method II		FM4B • Flat Optics and Metasurfaces II

Technical Sessions are hyperlinked. Click the session title to access the appropriate virtual room.

Key to Conference Abbreviations

- F = Flat Optics: Components to Systems (FLATOPTICS)
- R = Freeform Optics (Freeform)
- I = International Optical Design Conference (IODC)
- O = Optical Fabrication and Testing (OF&T)
- J = Joint programming

Agenda of Sessions — Tuesday, 29 June

Eastern Daylight Time (EDT, UTC-04:00)	IODC Technical Program	OF&T Technical Program	Flat Optics Technical Program
06:00–08:00	JT _u 1A • Joint Poster Session		
08:00–10:00	IT _u 2A • Advanced Systems and History	JT _u 2B • Freeform Testing and Laser Processing (Joint Freeform and OF&T)	FT _u 2C • Flat Optics and Metasurfaces III
10:00–11:00	SpE4 • Navigating an OSA Virtual Meeting		
12:00–14:00	IT _u 3A • Tools and Methods in Lens Design II (ends at 13:45)	JT _u 3B • Freeform Fabrication Processes (Joint Freeform and OF&T) (ends at 14:15)	FT _u 3C • Applications of Nanostructured Surface Optical Technology (ends at 13:30)
14:30–16:30	IODC Design Challenge		FT _u 4A • Mid-infrared Metamaterials and Metasurfaces
16:30–18:00	Dedicated Exhibit Time		
18:00–19:45	IT _u 5A • Diffractive, Graded-index and Display	OT _u 5B • Optical Lens Molding (ends at 19:00)	
20:30–22:30			JT _u 6A • Lens Design with Flat Optical and Metasurface Components (Joint Flat Optics and IODC)

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Agenda of Sessions — Wednesday, 30 June

Eastern Daylight Time (EDT, UTC-04:00)	IODC Technical Program	OF&T Technical Program	Flat Optics Technical Program	Joint Flat Optics and Freeform Technical Program
06:00–07:30			RW1A • Freeform I	
08:00–09:30	Joint Postdeadline Paper Session			
10:00–12:00	IW2A • Illumination Design and Methods	OW2B • Fabrication Process Considerations	FW2C • Active and Tunable Flat Optical Devices I (ends at 11:45)	JW2D • Joint Flat Optics and Freeform I (ends at 11:45)
12:00–13:30	Dedicated Exhibit Time			
12:00–12:20	Hot Topic Coffee Break: Angularly Offset Aspheres – a Powerful Construct for Freeform Imaging Design <i>Presented by: Synopsys</i>			
12:40–13:00	Technology Showcase: TBD <i>Presented by: Lambda Research Corporation</i>			
13:30–15:30	IW3A • Evolution of Zoom Lens and AI in Lens Design (ends at 15:15)	OW3B • Testing: Mid-spatial Frequency (MSF) and Radius	FW3C • Active and Tunable Flat Optical Devices II (ends at 15:15)	JW3D • Joint Flat Optics and Freeform II (ends at 15:00)
16:30–18:00	IW4A • Tools and Methods in Lens Design III	OW4B • Laser Processing	FW4C • Imaging with Flat Optics I (ends at 18:30)	JW4D • Joint Flat Optics and Freeform III
20:00–21:45	IW5A • Analysis and Applications (ends at 21:30)		FW5B • Imaging with Flat Optics II	

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Agenda of Sessions — Thursday, 1 July

Eastern Daylight Time (EDT, UTC-04:00)	Freeform and IODC Technical Program	OF&T Technical Program	Flat Optics Technical Program
06:00–08:00	JTh1A • Joint Freeform and IODC I	OTh1B • Laser Processing and Optical Testing Considerations	
09:00–10:00	Dedicated Exhibit Time		
10:00–11:45	ITh2A • Joint Freeform and IODC II	OTh2B • Optical Materials and Coatings (ends at 12:00)	FTh2C • Metasurface-based Emerging Applications I
13:00–14:45	JTh3A • Joint Freeform and IODC III	OTh3B • Optical Fabrication Process Considerations	FTh3C • Metasurface-based Emerging Applications II
16:00–18:00	JTh4A • Joint Freeform and IODC IV		JTh4B • Advanced Nanofabrication and Testing for Flat Optics I (Joint Flat Optics and OF&T) (ends at 17:30)
19:00–20:30			FTh5A • Advanced Nanofabrication and Testing for Flat Optics II

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