Frontiers in Optics + Laser Science
27 September – 01 October 2026

Joseph A. Floreano Rochester Riverside Convention Center, Rochester, New York, USA

Frontiers in Optics + Laser Science will be presented as an in-person event with on-demand content.

Eastern Daylight Time (UTC –04:00)

Agenda of Sessions — Sunday, 27 September

08:00–17:30	**Registration,** *Galleria*
14:00–17:00	**X-Lites Network - Early Career Development Workshop,** *University of Rochester, NY, USA*

Monday, 28 September

Eastern Daylight Time (EDT, UTC –04:00)	FiO Grand Lilac Ballroom North	FiO Highland Room AK	FiO Highland Room BJ	FiO Highland Room CH	FiO Highland Room DG	LS Grand Lilac Ballroom South
07: 00–17:00	**Registration,** *Galleria*					
08:00–09:00	**FM1A • Complex States of Light**	**FM1B • Photonic Mode Design**	**FM1C • Novel Optical Fibers: Multicore, Hollow Core and Beyond**	**FM1D • Visible-Wavelength Integrated Photonic Devices**	**FM1E • Optical Methods for Biomedical Characterization**	**LS Dissertation Award Presentations** (ends at 09:30)
09:00–09:15	**Break**					
09:15–10:00	**FM2A • FiO Visionary Session I: Space Optics (Gregory Heckler),** *Grand Lilac Ballroom North*					
10:00–10:30	**Coffee Break,** *Riverside Court Galleria*					
10:30–12:30	**FM3A • Space Optics Theme: Space Optics in NASA Programs**	**FM3B • Quantum Information Processing**	**FM3C • Free Space, Satellite and Advanced Optical Communication Links**	**FM3D • Scalable Integrated Photonic Platforms and Devices**	**FM3E • Optical Coherence Tomography**	**LM3F • Advances in Nanophotonics, Metamaterials and Polaritonics**
12:00–18:00	**APS Symposium on Undergraduate Research,** *Cascade Room AF*					
12:30–14:00	**Lunch Break (on your own)**					
12:45–13:45	**The Microgravity Advantage: In-Orbit Manufacturing of Optical Fibers and Advanced Materials** **Optica Technical Group Panel Discussion,** *Highland Room, BJ* *Optica Members Only. RSVP Requested*					
12:45–13:45	**The Training You Wish You Had: An Optica Technical Group Panel Discussion,** *Highland Room DG* *Optica Members Only. RSVP Requested*					
14:00–16:00	**Joe Eberly Symposium,** *Grand Ballroom, Hyatt Regency Rochester*					
14:00–15:30	**FM4A • Space Optics Theme: Novel Space Optics** (enda at 15:00)	**FM4B • Virtual Reality and Augmented Vision Theme: Novel Systems**	**FM4C • Optical Computing I**	**FM4D • TFLN and Si Photonics**	**FM4E • Light Matter Interactions**	**LM4F • Nanophotonics and Quantum Emitters**
15:30–16:00	**Coffee Break,** *Riverside Court Galleria*					
16:00–18:00	**FM5A • Space Optics Theme: Optical Communications** (ends at 17:30)	**FM5B • Virtual Reality and Augmented Vision Theme: Novel Debices and Algorithms**	**FM5C • State of the Art Devices for Optical Communications**	**FM5D • Design, Optimization and Nonlinear Dynamics in Photonic Integrated Circuits**	**FM5E • Deep Learning and Quantitative Imaging in Biomedical Applications**	**LM5F • Optical Platforms for Quantum Information Science I**
18:15–19:00	**Poster Pitch Oral Session I,** *Highland Room DG*					
19:00–21:00	**FiO LS Awards Ceremony & Reception** *(Invitation only)*					

Key to Conference Abbreviations

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Agenda of Sessions — Tuesday, 29 September

Eastern Daylight Time (EDT, UTC –04:00)	FiO Grand Lilac Ballroom North	FiO Highland Room AK	FiO Highland Room BJ	FiO Highland Room CH	FiO Highland Room DG	LS Grand Lilac Ballroom South
07:00–19:00	**Registration,** *Galleria*					
08:00–09:00	**FTu1A • Communication and Sensing Over Free Space and Optical Fiber Links**	**FTu1B • Optical Computing II**	**FW1C • Quantum Imaging**	**FTu1D • Optical and Photonics Devices**	**FTu1E • Ultrafast Optical Interactions**	**LTu1F • XFEL and Strong-Field Science**
09:00–09:15	**Break**					
09:15–10:00	**FTu2A • FiO Visionary Session II: Virtual Reality and Augmented Vision (Jae-Hyeung Park),** *Grand Lilac Ballroom North*					**LTu2B •° LS Visionary Session I (Jelena Vuckovic)**
10:00–15:30	**Science + Industry Showcase** *Theater, Empire Hall*			**Science + Industry Showcase** *Exhibit Hall, Empire Hall*		
	JTu3A • Joint Plenary Session I, 10:30–11:30 **Hear from Program Managers: Town Hall & Expert Roundtables,** (12:30–13:45) **Poster Pitch Oral Session II** (14:00–14:45) **Technology Showcase: From Prompt to Product: How Agentic AI is Changing Engineering, Speaker Dan Young, Sales & Applications Manager of Liquid Instruments** (15:00–15:30) *Presented by* LIQUID INSTRUMENTS			**Exhibition Hall Hours** 10:00–15:30 **Coffee Break with Exhibitors,** 10:00–10:30 *Sponsored by American Elements, American Institute of Physics and Optimax* **Career Zone, Booth 115,** 10:00–15:30 **Optica Booth, Booth 205,** 10:00–15:30 **APS Booth, Booth 401,** 10:00–15:30 **Meet the APS Journal Editors, Booth 401,** 11:30–12:30, **Lunch with Exhibitors,** 12:00–14:00 **JTu4A • Poster Session I,** 11:30–13:00 **JTu5A • Poster Session II,** 14:00–15:30 **Coffee Break with Exhibitors,** 15:00–15:30 *Sponsored by American Elements, American Institute of Physics and Optimax*		
12:00–13:00	**Beyond the Lab: Careers, Choices & Well-being in Optics and Photonics Optica Technical Group Panel,** *Highland BJ. Optica Members Only. RSVP Requested*					
13:00–14:00	**Ultrafast Optical Phenomena Technical Group Rapid-Fire Session,** *Highland DG Optica Members Only. RSVP Requested*					
15:30–17:00	**FTu6A • Programmable Photonics for Computing and Signal Processing**	**FTu6B • Virtual Reality and Augmented Vision Theme: Future Displays**	**FTu6C • Advances in Biomedical Technology and Applications I**	**FTu6D • Thermal and IR Light**	**FTu6E • Attoscience**	**LTu6F • Optical Platforms for Quantum Information Science II**
17:00–17:15	**Break**					
17:15–18:30	**Postdeadline Paper Presentations,** *Grand Lilac Ballroom South*					
17:30–18:15	**Optica Annual Business Meeting (Virtual)**					
18:30–21:00	**FiO/LS Conference Reception,** *Riverside Court Galleria*					

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Agenda of Sessions — Wednesday, 30 September

Eastern Daylight Time (EDT, UTC –04:00)	FiO Grand Lilac Ballroom North	FiO Highland Room AK	FiO Highland Room BJ	FiO Highland Room CH	FiO Highland Room DG	LS Grand Lilac Ballroom South
07:30–18:00	**Registration,** *Galleria*					
08:00–09:00	**FW1A • Advances in Biomedical Technology and Applications II**	**FW1B • Advanced Optical Microscopy and Imaging**	**W1C • Atomic Control and Sensing**	**FW1D • Optical Models and Algorithmic Learning**	**FW1E • Ultrafast Lasers and Applications I**	**LW1F • Laser Science for XFELs and Electron Accelerators**
09:00–09:15	**Break**					
09:15–10:00	**FW2A • FiO Visionary Session III: Extreme Light (Felicie Albert),** *Grand Lilac Ballroom North*					**LW2B • LS Visionary Session II (Philippe Guyot-Sionnest)**
10:00–15:30	**Science + Industry Showcase** *Theater, Empire Hall*			**Science + Industry Showcase** *Exhibit Hall, Empire Hall*		
	JW3A • Joint Plenary Session II, 10:30–11:30 **Nextcorps Luminate Finals Awards Program,** 11:30–13:30 **AI in Optical System Design,** 14:15–15:15			**Exhibition Hall Hours** 10:00–15:30 **Coffee Break with Exhibitors,** 10:00–10:30 *Sponsored by American Elements, American Institute of Physics and Optimax* **Career Zone, Booth 115,** 10:00–15:50 **Optica Booth, Booth 205,** 10:00–15:30 **APS Booth, Booth 401,** 10:00–15:30 **Meet the APS Journal Editors, Booth 401,** 11:30–12:30 **Lunch with Exhibitors,** 11:30–13:30 **Snack and Chat with APS Division of Laser Science, Booth 401,** 13:30–14:30 **OPG Meet the Editors,** 14:30–15:30, *Optica Booth 205* **JW4A • Poster Session III,** 11:30–13:00 **JW5A • Poster Session IV,** 14:00–15:30 **Coffee Break with Exhibitors,** 15:00–15:30 *Sponsored by American Elements, American Institute of Physics and Optimax*		
12:30–14:00	**Optica What Do You Measure? An Optica Agriphotonics Technical Group Rapid-Pitch Challenge,** *Highland DG* *Optica Members Only. RSVP Requested*					
14:30–15:15	**Poster Pitch Oral Session III,** *Virtual Only*					
15:30–17:00	**FW6A • Quantum Theme: Quantum Networking**	**JW6B • Extreme Light Theme: Technologies for Fusion and Laser-Based Radiation Sources**	**FW6C • Quantum Networks**	**FW6D • Optical Acquisition and Processing I**	**FW6E • Structured Light**	**FW6F • Optical Design, Metrology and Quantum Technology**
17:00–17:30	**Break**					
17:30–19:00	**FW7A • Quantum Theme: Integrated Photonic Approaches to Quantum Information Processing**	**JW7B • Extreme Light Theme: Frontiers of Strong-Field Laser Sources**	**FW7C • Quantum Source Engineering and Detection**	**FW7D • Optical Acquisition and Processing II**	**FW7E • Optical Fiber Sensing Applications**	**LW7F • Ultrafast Nanoscale Dynamics and Control**
19:15–20:15	**From Light to Insight: The Future of Optical and Photonic Environmental Sensing Optica Technical Group Panel Discussion,** *Highland DG* *Optica Members Only. RSVP Requested*					
19:15–20:15	**Finding Schrondinger's Cat (Optica Technical Group Event),** *Highland Room BJ* *Optica Members Only. RSVP Requested*					

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Eastern Daylight Time (EDT, UTC –04:00)	FiO Grand Lilac Ballroom North	FiO Highland Room AK	FiO Highland Room BJ	FiO Highland Room CH	FiO Highland Room DG	LS Grand Lilac Ballroom South
07:30–12:30	**Registration,** *Galleria*					
08:00–09:00	**FTh1A • Optical Coherence Tomography**	**FTh1B • Advanced Photonic Integration and Nanofabrication**	**FTh1C • Quantum Networking over Existing Optical Fibers**	**FTh1D • 3D and Light-Field Optics and Space-based Imaging**	**FTh1E • Ultrafast Lasers and Applications II**	**FTh1E • Spectroscopy and Interferometry**
09:00–0915	**Break**					
09:15–10:00	**FTh2A • FiO Visionary Session IV: Quantum (Ebrahim Karimi),** *Lilac Ballroom North*					**LTh2B • LS Visionary Session III (R.J. Dwayne Miller)**
10:00–10:30	**Coffee Break,** *Riverside Court Galleria*					
10:30–12:30	**FTh3A • Quantum Theme: Distributing and Processing Quantum Information**	**JTh3B • Extreme Light Theme: Sources and Applications**	**FTh3C • Quantum Metrology and Sensing**	**FTh3D • Optical Computing III**	**FTh3E • Advanced Optical Sources** (ends at 12:00)	**LTh3F • Ultrafast Nonlinear and Strong-Field Dynamics**
13:00–15:00	**LLE Tour (Advance Registration Required),** *Laboratory for Laser Energetics, University of Rochester*					

Friday, 02 October

10:00–12:00	**The Institute of Optics Lab Tour (Advance Registration Required)**

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