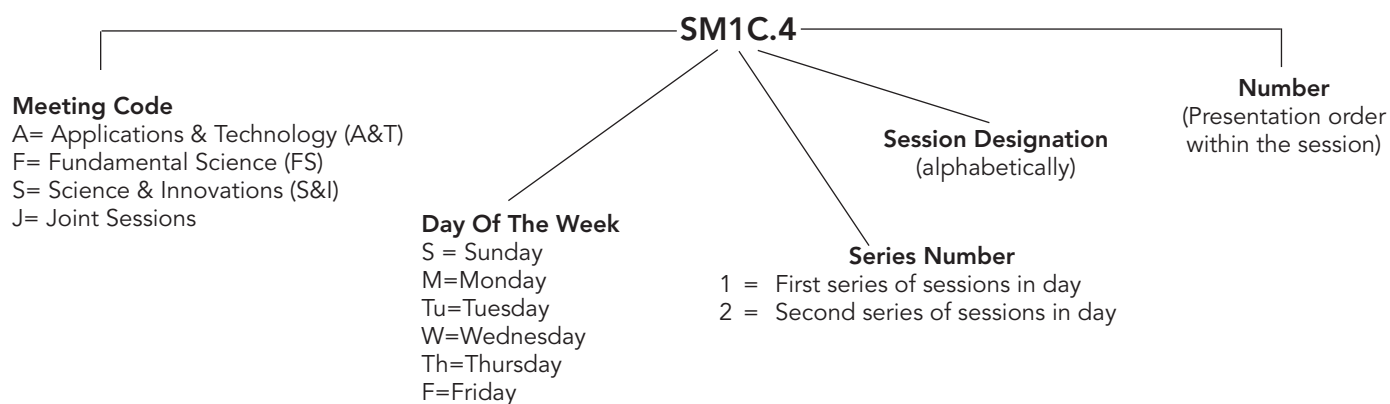


Agenda of Sessions — Sunday, 15 May

08:30–12:30	<p align="center">Short Courses</p> <p align="center">SC149: Foundations of Nonlinear Optics SC157: Laser Beam Analysis, Propagation, and Spatial Shaping Techniques SC477: LiDAR and Remote Sensing: An Application-Oriented Introduction SC362: Optomechanics: Fundamentals and Applications of Controlling and Measuring Nano- and Micro-mechanical Oscillators with Laser Light Tomorrow</p>
10:00–12:00	<p align="center">Virtual Technical Sessions (Online Only)</p> <p align="center">SS1A • Virtual: Imaging and Dual Comb Metrology SS1B • Virtual: Light Sources and Metasurfaces SS1C • Virtual: Nonlinear Processes in Microresonators SS1D • Virtual: Photonic Integration I</p>
13:30–17:30	<p align="center">Short Courses</p> <p align="center">SC479: Introduction to Quantum Optics SC474: Super-Resolution Imaging: Basic Nanoscopy Principles and Its Applications to Biology, Chemistry and Materials Science SC502: Topological Photonics</p>
14:00–16:00	<p align="center">Virtual Technical Sessions (Online Only)</p> <p align="center">SS2A • Virtual: Ultrafast Spectroscopy & Nonlinear Processes SS2B • Virtual: Photonic Neural Networks and Related Components SS2C • Virtual: THz Generation and Applications II SS2D • Virtual: Power Scaling in Semiconductor Lasers</p>

Explanation of Session Codes



The first letter of the code denotes the day of the week (Sunday=Sunday, Monday=M, Tuesday=Tu, Wednesday=W, Th=Thursday, F=Friday). The second element indicates the session series in that day (for instance, 1 would denote the first parallel sessions in that day). Each day begins with the letter A in the third element and continues alphabetically through a series of parallel sessions. The lettering then restarts with each new series. The number on the end of the code (separated from the session code with a period) signals the position of the talk within the session (first, second, third, etc.). For example, a presentation coded SM1C.4 indicates that this paper from S&I Meeting is being presented on Monday (M) in the first series of sessions (1), and is the third parallel session (C) in that series and the fourth paper (4) presented in that session.

Agenda of Sessions — Monday, 16 May

Pacific Daylight Time Zone (PDT)	Executive Ballroom 210A	Executive Ballroom 210B	Executive Ballroom 210C	Executive Ballroom 210D	Executive Ballroom 210E	Executive Ballroom 210F	Executive Ballroom 210G	Executive Ballroom 210H	Meeting Room 211A	Meeting Room 211B	Meeting Room 211C	Meeting Room 211D	Meeting Room 212A	Meeting Room 212B	Meeting Room 212C	Meeting Room 212D
05:00–07:00	Virtual Technical Sessions (Online Only) FM1A • Virtual: Exciton and Phonon Dynamics in Quantum Materials FM1B • Virtual: Metamaterials, Metasurfaces, and Metalenses FM1C • Virtual: Quantum Networks SM1D • Virtual: Active Optical Sensing															
08:00–10:00	FM2A • Advances in Nano-optics: Reaching the Atomic Scale	FM2B • Nonlinear Phenomena in Quantum Processes and Quantum Light Generation I	AM2C • Topical Review on Micro and Nano mechanics in Photonic Integrated Circuits I	AM2D • Quantum Photonics	JM2E • Symposium on Ultrafast Mid-IR Laser Sources and Applications I	SM2F • Coherent Light Sources for Precision Timing Applications	SM2G • Photonics of Low Dimensional Materials and Nanostructures	FM2H • Meta-Imaging and Holography	AM2I • New Paths for Biosensing	SM2J • High Capacity Transmission	AM2K • Advances in LIDAR for Physical and Atmospheric Sensing Applications	SM2L • High Power Fibre Lasers and Amplifiers	AM2M • Advanced Spectroscopy for Material Characterization	SM2N • Generating Exotic States of Light	SM2O • Nonlinear Optical Sources in Bulk Solid State and Fiber Platforms	SM2P • Heterogenous Integration
08:30–12:30	Short Courses SC361: Coherent Mid-IR Light: Generation and Applications SC396: Frontiers of Guided Wave Nonlinear Optics SC475: Metasurface Flat Optics SC376: Plasmonics and Mie-tronics															
10:00–10:30	Coffee Break, <i>Concourse 1</i>															
10:30–12:30	JM3A • Symposium on Optical Frequency Combs in Dissipative Fiber Systems I	FM3B • Nonlinear Phenomena in Quantum Processes and Quantum Light Generation II	AM3C • Topical Review on Micro and Nano mechanics in Photonic Integrated Circuits II	AM3D • Quantum Communication & Networking	JM3E • Symposium on Ultrafast Mid-IR Laser Sources and Applications II	SM3F • Spectroscopy for Optical Metrology	SM3G • Noise and Stability in Semiconductor Lasers	SM3H • Light-matter Interactions on Chip	AM3I • Industrial Applications in Laser Microprocessing	SM3J • Short Reach and Analog Transmission	SM3K • Photodetection	SM3L • Fiber-based Imaging and Compact Biosensors	AM3M • Design and Application of Acoustic and Ultrasound Sensors	SM3N • Electronic-Photonic Integration	SM3O • Ultrafast Nonlinear Optics and Pulse Manipulation	SM3P • Reconfigurable Photonics and Emission Control
12:30–13:30	Lunch (on Your Own)															
13:30–15:30	JM4A • Symp: Optical Frequency Combs in Dissipative Fiber Systems II	FM4B • Non-Hermitian Systems and Parity-Time Symmetry I	FM4C • Single-Photon Detectors	FM4D • Quantum Optics with Atoms and Molecules	JM4E • Symp: Ultrafast Mid-IR Laser Sources and Applications III	FM4F • Optical Metasurfaces I	SM4G • Silicon Nitride Photonics	FM4H • Propagation and Sensing	AM4I • Laser-Based Device Fabrication	SM4J • High-speed Transmission Techniques	SM4K • Integrated Nonlinear Photonics I	SM4L • Spectroscopy for Biosensing and Imaging	AM4M • Multi-Scale Field Measurements of Greenhouse Gases	FM4N • Novel Spectroscopy for Probing Multibody Dynamics	SM4O • Nonlinear Nanophotonics	SM4P • Beamsteering
13:30–17:30	Short Courses SC410: Finite Element Modeling Methods for Photonics and Optics SC455: Integrated Photonics for Quantum Information Science and Technology SC503: The Physics Behind the Quantum Internet/ For Beginners															
15:30–16:00	Coffee Break, <i>Concourse 1</i>															
16:00–18:00	JM5A • Symposium on Optical Frequency Combs in Dissipative Fiber Systems III	FM5B • Non-Hermitian Systems and Parity-time Symmetry II	FM5C • Continuous Variables and Higher Dimensions	FM5D • Quantum Optics with Ions and Electrons	SM5E • Lasers in Large Scale Facilities	FM5F • Optical Metasurfaces II	SM5G • Silicon Photonics	FM5H • Computational Design	AM5I • Advances in Optical Coherence Tomography	SM5J • LiFi and Wireless Convergence	SM5K • Integrated Nonlinear Photonics II	SM5L • Short-wave and Mid-IR Fibre Lasers	AM5M • Novel Applications for Optical Environmental Sensing	FM5N • Spectroscopy Investigation of Topological and Magnetic Materials	SM5O • Novel Microscopy Techniques	SM5P • Two Dimensional Materials Photonics
18:00–19:00	SpE23 • Black in Photonics Informal Social Hour, <i>Location TBD</i>															
18:30–19:30	SpE1 • Optica Networking Meetup: How Was Your Pandemic Experience? <i>Executive Ballroom 210A</i> SpE10 • Deep Sensing and Super Resolution, <i>Executive Ballroom 210E</i>															

Agenda of Sessions — Tuesday, 17 May

Pacific Daylight Time Zone (PDT)	Executive Ballroom 210A	Executive Ballroom 210B	Executive Ballroom 210C	Executive Ballroom 210D	Executive Ballroom 210E	Executive Ballroom 210F	Executive Ballroom 210G	Executive Ballroom 210H	Meeting Room 211A	Meeting Room 211B	Meeting Room 211C	Meeting Room 211D	Meeting Room 212A	Meeting Room 212B	Meeting Room 212C	Meeting Room 212D	The CLEO Hub Theater
04:00–06:00	<p align="center">Virtual Technical Sessions (Online Only)</p> <p align="center">FTu1A • Virtual: Quantum Optics of Atoms, Molecules and Solids FTu1B • Virtual: Novel Modes and Coupling Phenomena STu1C • Virtual: Ferroelectric Materials and Microcombs</p>																
08:30–10:00	<p align="center">JTU2A • Joint Plenary Session I and Award, Prize and Fellow Presentations, <i>The CLEO Hub Theater</i></p>																
10:00–11:30	<p align="center">SpE2 • Experiences and Advice in Breaking the Glass Ceiling as a Woman in STEM, <i>Executive Ballroom 210A</i></p>																
10:00–16:00	<p align="center">The CLEO Hub (Exhibition) Hours</p>																
10:00–13:00	<p align="center">Exhibit Only Time</p>																
10:00–11:30	<p align="center">Coffee Break, <i>The CLEO Hub</i></p>																
10:00–11:30	<p align="center">SpE3 • Optica Publishing Group's Meet the Journal Editors, <i>Optica Booth</i></p>																
10:30–14:30	<p align="center">Short Courses</p> <p align="center">SC403: NanoCavity Quantum Electrodynamics and Applications SC438: Photonic Metamaterials SC352: Ultrafast Laser Pulse Compression, Shaping, and Characterization</p>																
10:30–10:45	<p align="center">TS1 • Technology Showcase: Why is Beam Profiling Difficult Compared to Other Laser Measurements and What Can You Do About It? Tips and Techniques Presented by MKS Instruments, <i>The CLEO HUB Theatre</i></p>																
10:45–11:00	<p align="center">TS2 • Technology Showcase: What is Laser Trapping and Excitation and why is it Crucial for Quantum Computing? Developments in Laser Technology and Techniques Presented by MKS Instruments, <i>The CLEO HUB Theatre</i></p>																
11:00–12:30	<p align="center">SpE4 • Optica Panel Discussion: What's Next in Integrated Photonics - Hot Topics at CLEO 2022, <i>Executive Ballroom 210E</i> SpE5 • Women Pioneering the World of Quantum Computing, <i>Executive Ballroom 210F</i></p>																
11:15–11:45	<p align="center">TS3 • Technology Showcase: Miro Altitude - The State-Of-The-Art in Laser Beam Measurement Presented by Gentec Electro-Optics, Inc., <i>The CLEO Hub Theater</i></p>																
11:30–12:30	<p align="center">SpE7 • Frontiers of Guided Wave Nonlinear Optics, <i>Optica Booth</i></p>																
11:30–13:00	<p align="center">JTU3A • Joint Poster Session I-A (In-person), <i>The CLEO Hub</i> JTU3B • Joint Poster Session I-B (Virtual Only) SpE6 • Optica Fellows and Honorees Luncheon (Invitation Only), <i>Room 111</i></p>																
12:00–12:30	<p align="center">TS4 • Technology Showcase: Photon Counting Technologies for Low Light Applications Presented by Hamamatsu Corporation, <i>The CLEO Hub Theater</i></p>																
12:00–12:30	<p align="center">SpE8 • Coherent Mid-IR Light: Generations and Applications, <i>Optica Booth</i></p>																
13:00–15:00	Tu4A • Quantum Key Distribution	FTu4B • Light-induced Emergent Phenomena in Solids	JTu4Q • Symposium on Crossroads of Metaphotonics: Computational Imaging and Reconfigurable Metasurfaces I	JTu4D • Symp: Entangled Two-Photon Absorption: New Opportunities in Molecular Science and Spectroscopy I	STu4E • Topological and Nanolasers	STu4F • Integrated Quantum Technologies: Devices and Fabrication	STu4G • Lithium Niobate Photonics	STu4H • Nanoscale Light-Matter Interactions	ATu4I • Laser Absorption in Extreme Environments and Robust Sensing	FTu4J • Topological Processes I	ATu4K • Photonics Technologies for Biological Applications	STu4L • THz Imaging and Spectroscopy	ATu4M • Cavity-enhanced Detection and LIDAR Instrumentation	STu4N • High Power and High Energy Lasers	ATu4O • Mid-IR and Frequency Comb Laser	STu4P • Multimode Fibers and Applications - I	ATu4C • Laser Induced Surface Functionalization
13:15–13:45	<p align="center">SpE14 • 3D Phase and Fluorescence Microscopy with Scattering Examples, <i>Optica Booth</i></p>																
15:00–16:00	<p align="center">Coffee Break, <i>The CLEO Hub</i></p>																
16:00–18:00	FTu5A • Generation and Measurement of Quantum States	STu5B • Design and Realization of Composite Quasiparticles in Solids	JTu5Q • Symposium on Crossroads of Metaphotonics: Computational Imaging and Reconfigurable Metasurfaces II	JTu5D • Symposium on Entangled Two-Photon Absorption: New opportunities in Molecular Science and Spectroscopy II	STu5E • Vertical (PCSELS, VCSELS) and Topological Lasers	STu5F • Quantum Networks and Computation with Diamonds and Other Solid State Systems	STu5G • Hybrid Integration	STu5H • Structuring Light-Matter Interactions	ATu5I • Advanced Microscopic Applications	FTu5J • Topological Processes II	ATu5K • Mid-IR Frequency Combs and Advanced Comb Applications	STu5L • THz Photonics and Communications	ATu5M • Cutting-Edge Technologies and Optical Devices	STu5N • Advanced High Intensity, Ultrashort Laser Systems	STu5O • Clocks and Sensing	STu5P • Multimode Fibers and Applications - II	ATu5C • A&TTR: Photonics Technologies for Advancements in Ophthalmic Applications
18:30–19:30	<p align="center">SpE9 • Optica Cracking the Optics Networking Event, <i>Room 214</i></p>																
18:30–20:00	<p align="center">Special Sessions</p> <p align="center">SpE11 • Hybrid Quantum-Classical Technologies, <i>Executive Ballroom 210B</i> SpE12 • Opportunities and Challenges for Optical Phase-Change Materials in Foundry-Processed Photonics, <i>Executive Ballroom 210E</i> SpE13 • Optimizing Career Paths in Optics: The Guide for Young Professionals, <i>Executive Ballroom 210F</i></p>																

Agenda of Sessions — Wednesday, 18 May

Pacific Daylight Time Zone (PDT)	Executive Ballroom 210A	Executive Ballroom 210B	Executive Ballroom 210C	Executive Ballroom 210D	Executive Ballroom 210E	Executive Ballroom 210F	Executive Ballroom 210G	Executive Ballroom 210H	Meeting Room 211A	Meeting Room 211B	Meeting Room 211C	Meeting Room 211D	Meeting Room 212A	Meeting Room 212B	Meeting Room 212C	Meeting Room 212D	The CLEO Hub Theater
05:00–07:00	Virtual Technical Sessions (Online Only) FW1A • Virtual: Quantum Photonics FW1B • Virtual: Frequency Combs, Solitons and Spatiotemporal Phenomena FW1C • Virtual: Optical Metasurfaces III AW1D • Virtual: Progress in LED and Lasers																
08:00–10:00	JW2A • Joint Plenary Session II and Award, Prize and Fellow Presentations, <i>The CLEO Hub Theater</i>																
10:00–19:00	The CLEO Hub (Exhibition) Hours																
10:00–10:30	Coffee Break, <i>The CLEO Hub</i>																
10:30–11:00	T55 • Technology Showcase: Laser and Optomechanics Developments from Thorlabs Presented by Thorlabs, Inc., <i>The CLEO Hub Theater</i>																
10:30–11:15	SpE15 • Optica Publishing Group's Meet the Journal Editors, <i>Optica Booth</i>																
11:00–12:30	SpE16 • Optica Panel Discussion: Machine Learning, AI, and Metalens Synergies in Advanced Bioimaging, <i>Executive Ballroom 210E</i>																
11:15–11:45	SpE17 • The Physics Behind the Quantum Internet, <i>Optica Booth</i>																
11:30–12:30	SpE18 • Experiences in Breaking Through the Glass Ceiling as an Ethnic Minority, <i>The CLEO Hub Theater</i>																
11:30–13:00	JW3A • Joint Poster Session II, <i>The CLEO Hub</i> JW3B • Virtual: Joint Poster Session II																
13:00–13:30	SpE19 • Pulse Compression, Shaping, and Characterization, <i>Optica Booth</i>																
13:00–15:00	JW4A • Symposium on Novel Phenomena in Time-Variant Photonics I	FW4B • High Harmonic Generation and Attosecond Pulse Techniques	JW4Q • Symposium on Crossroads of Metaphotonics: Computational Imaging and Reconfigurable Metasurfaces III	FW4D • Quantum Optomechanics and Transduction	SW4E • Deep Learning for Optical Communications	SW4F • Quantum Metrology for High Precision Measurement	SW4G • THz Metasurfaces and Cavities	SW4H • Nonlinear Processes in Microresonators I	AW4I • Topical Review on Space Optics	FW4J • Combs and Solitons I	SW4K • Hollow-core Optical Fibers	AW4L • Advances in Mid-Infrared Atmospheric Sensing	AW4M • Novel Semiconductor Laser Configurations	AW4N • Topical Review on Laser Surface Functionalization for Antibacterial and Medical Applications I	SW4O • Integrated Photonics for RF Signal Processing	AW4P • Quantum Technology & Quantum Computing	AW4C • A&TTR: Compact Technologies for Wearable Devices I
13:30–14:00	SpE20 • Finite Element Modeling Methods for Photonics and Optics, <i>Optica Booth</i>																
15:00–15:30	Color Technical Group Meet-up, <i>Optica Booth</i>																
15:00–16:00	Coffee Break, <i>The CLEO Hub</i>																
16:00–18:00	JW5A • Symposium on Novel Phenomena in Time-Variant Photonics II	FW5B • Free-electron Laser, X-Ray, and Particle Beam Sources	JW5Q • Symposium on Crossroads of Metaphotonics: Computational Imaging and Reconfigurable Metasurfaces IV	FW5D • Topological Photonics	SW5E • Photonic Neural Networks and Components	FW5F • Quantum Dots & Color Centers	SW5G • THz Near-Field Microscopy	SW5H • Nonlinear Optics in Micro and Nano-resonators	FW5I • Imaging and Sensing	FW5J • Combs and Solitons II	SW5K • Specialty Optical Fibers	AW5L • Next-Gen Communications Technologies	AW5M • QD and Novel Laser Diodes	AW5N • Topical Review on Laser Surface Functionalization for Antibacterial and Medical Applications II	SW5O • Integrated Photonics in Expanded Wavelength Bands	AW5P • Quantum Devices: Detectors & Frequency Combs	AW5C • A&TTR: Compact Technologies for Wearable Devices II
18:00–19:30	Conference Reception, <i>The CLEO Hub</i>																

Agenda of Sessions — Thursday, 19 May

Pacific Daylight Time Zone (PDT)	Executive Ballroom 210A	Executive Ballroom 210B	Executive Ballroom 210C	Executive Ballroom 210D	Executive Ballroom 210E	Executive Ballroom 210F	Executive Ballroom 210G	Executive Ballroom 210H	Meeting Room 211A	Meeting Room 211B	Meeting Room 211C	Meeting Room 211D	Meeting Room 212A	Meeting Room 212B	Meeting Room 212C	Meeting Room 212D	The CLEO Hub Theater
05:00–07:00	<p align="center">Virtual Technical Sessions (Online Only)</p> <p align="center">FTh1A • Virtual: Synthetic Dimensions and Optical/Photonic Simulators and Devices STh1B • Virtual: Hot Topics in Quantum Science with Atoms, Photons and Spins ATH1C • Virtual: Laser Material Processing ATH1D • Virtual: Imaging Techniques Across Multiple Modalities and Dimensions</p>																
08:00–10:00	JTh2P • Symposium on Space-time Optics I	FTh2B • Advances in Plasmonics	ATH2C • Topical Review on Specialty Fibers for Ultrafast Lasers I	FTh2D • Reconfigurable Materials and Devices	STh2E • Pulse shaping and Spatio-Temporal Coupling - STC	STh2F • Microcombs I	STh2G • Beam Steering and Optical Switching	STh2H • Metasurfaces			ATH2I • Deep Learning for Enhanced Contrast Imaging	ATH2K • Advanced Techniques in Optical Fiber Based Sensing	ATH2L • Novel Semiconductor Based Devices	STh2M • Free Space Optical Communications	STh2N • THz Generation and Detection	STh2O • Topological Photonics and Quantum Materials	FTh2A • Nonlinear Processes in Fibers
10:00–15:30	The CLEO Hub (Exhibition) Hours																
10:00–13:00	Exhibit Only Time																
10:30–12:30	FTh5C • Microresonator-based Quantum Sources, <i>The CLEO Hub Theater</i>																
11:30–13:00	JTh3A • Joint Poster Session III-A (In-person), <i>The CLEO Hub Theater</i> JTh3B • Joint Poster Session III-B (Virtual Only)																
13:00–15:00	JTh4Q • Symposium on Space-time Optics II	FTh4B • All Dielectric Nanophotonics	ATH4C • Topical Review on Specialty Fibers for Ultrafast Lasers II	FTh4D • Temporal Media	STh4E • Special Light Sources: Non-linear Frequency Conversion, Solitons, Orbital Angular Momentum	STh4F • Microcombs II	STh4G • Tunable Photonics	STh4H • Integrated Quantum Photonics	ATH4I • Photonics for Biomedical Diagnostics	STh4J • Optical Methods for Mechanical and Geometric Applications	STh4K • Resonator Devices	STh4L • Applications - Imaging & Ultrafast Nonlinear Processes	FTh4M • Quantum Optics with Solid-state Spin Qubits	STh4N • Spatial Division Multiplexing	STh4O • THz Generation and Applications I	STh4P • Nanofabrication of Novel Photonic Devices	FTh4A • Terahertz and Free Electrons (13:15–15:30)
15:00–15:45	Coffee Break, <i>Concourse 1</i>																
15:00–17:30	SpE21 • Quantum Entanglement (Networking Mixer), <i>Executive Ballroom 214</i>																
15:30–17:30	JTh5P • Symposium on Space-time Optics III	FTh5B • Thermal and Nonlinear Effects and Electron-light Interactions	FTh5A • Novel Phenomena	FTh5D • Nonlinear and Active Nanophotonics	STh5E • Broadband and Supercontinuum Sources, Frequency Combs	STh5F • Optomechanics	STh5G • Neuromorphic Photonics	STh5H • Long Wavelength Semiconductor Laser Sources from MIR to THz		STh5I • Light Generation, Detection, and Nonlinear Effects	STh5J • Imaging-Based Techniques for Sensing	STh5K • Brillouin Fibre Lasers	FTh5L • Quantum Memory	STh5M • Photonics-enabled Signal Processing	STh5N • Time Transfer Techniques	FTh5O • Enabling Technologies	
18:00–19:00	SpE22 • Optica Panel Discussion: Emerging Trends in Nonlinear Optics – A Review of CLEO:2022, <i>Executive Ballroom 210D</i>																
19:00–21:00	JTh6A • Joint Postdeadline Presentation Session I	JTh6B • Joint Postdeadline Presentation Session II			JTh6C • Joint Postdeadline Presentation Session III												

Agenda of Sessions — Friday, 20 May

Pacific Daylight Time Zone (PDT)	Executive Ballroom 210A	Executive Ballroom 210B	Executive Ballroom 210C	Executive Ballroom 210D	Executive Ballroom 210E	Executive Ballroom 210F	Executive Ballroom 210G	Executive Ballroom 210H	Meeting Room 211A	Meeting Room 211B	Meeting Room 211C	Meeting Room 211D	Meeting Room 212A	Meeting Room 212B	Meeting Room 212C	Meeting Room 212D
05:00–07:00	Virtual Technical Sessions (Online Only) FF1A • Virtual: Thermodynamic Optics and Tailored Materials SF1B • Virtual: Short Wave and Broadband Infrared Laser Systems SF1C • Virtual: Photonic Integration II SF1D • Virtual: Optical Computing and Quantum Photonics															
08:00–10:00	JF2A • Symposium on Light Control in Complex Medium: Fundamentals and Applications I	JF2B • Symposium on Topological Lasers I	FF2C • Advances in Nano-optics: Topological Effects	FF2D • Meta-optics	SF2E • Few-cycle Pulses and CEP	SF2F • Frequency Comb-Based Spectroscopy and Sensing	SF2G • Integrated Light Sources	SF2H • Ultrashort Pulsed Fiber Laser Systems		FF2I • Quantum Computation 1	FF2J • Quantum Sources and Their Characterization	SF2K • Novel Applications	FF2L • Brillouin Process	SF2M • Biophotonic and High Power Applications	SF2N • Phase Change Materials Photonics	SF2O • Photonic Modulation, Isolation and Switching
10:00–10:30	Coffee Break, Concourse															
10:30–12:30	JF3A • Symposium on Light Control in Complex Medium: Fundamentals and Applications II	JF3B • Symposium on Topological Lasers II	FF3C • Nonlinear and Quantum Plasmonics	FF3D • Chiral and Rotational Structures	SF3E • Ultrashort Pulse Characterization and Control	SF3F • Advanced Spectroscopic Sensing Techniques	SF3G • Quantum Photonics	SF3H • Dispersion and Nonlinearity Managed fiber Systems	SF3I • Controlling the Properties of Light	FF3J • Quantum Computation II	FF3K • Components for Quantum Networks	SF3L • Laser Induced Surface Effects	SF3M • DSP and Techniques for Coherent Transmission	FF3N • New Methods in Ultrafast Lasers and Strong-field Physics	SF3O • Low-Loss Integrated Photonics	SF3P • Lasers and Parametric Sources
12:30–14:00	Lunch (on Your Own)															
14:00–16:00	FF4A • Quantum Sensing	FS4B • Single Emitters and Light-matter Interactions	FF4C • Advances in Nano-Optics: Two-Dimensional and Novel Materials	FF4D • Quantum Phenomena	SF4E • Ultrafast Oscillators, Amplifiers and Post-Compression	SF4F • Nonlinear Optical Technologies for Neural Networks and Machine Learning Applications	SF4G • Novel Materials Integration	SF4H • Optical Fiber Based Frequency Combs and Supercontinuum Sources		FF4I • Entanglement	FF4J • Heterogeneous Quantum Platforms	SF4K • Functional Surfaces and 2D Materials	SF4L • RF Photonics and Secure Communications	SF4M • Advanced Photonic Integrated Circuitry	FF4N • Nonlinear Processes in Sub-wavelength Systems, 2D Materials, and Metasurfaces	SF4O • Optical Methods for Chemical Sensing