

International Scientific Conference on

Lasers, Optics, Photonics and Sensors

June 12-14 2021 | Webinar

Duration	Type	Code	Notes
45	Plenary	P	Duration: 45 minutes
30	Keynote	K	Duration: 30 minutes
25	Invited	I	Duration: 25 minutes
15	Student	S	Duration: 15 Minutes
20	Coffee Break	CB	Duration: 20 Minutes
30	Lunch Break	LB	Duration: 20 Minutes
10	Opening Ceremony	O	Duration: 10 Minutes
5	Closing Ceremony	C	Duration: 5 Minutes
0	End	e	



Start Time 8:00AM 8 0

Saturday June 12, 2021 - All the Time are in USA Eastern Standard Time

Presenters local Time	EST Timing	Paper #	Code	Min	Session I - Presenter/Paper Title	Chair/Session Chair
Pasadena, USA: 5:00 AM	8:00AM	Opening Ceremony	O	10	Kazemi Alex , Chairman LOPS Conferences, Excel Global Conferences	Alex Kazemi
New York, USA: 8:10 AM	8:10AM	LOPS2021-P02	K	30	Alfano : Advances In Supercontinuum -The Ultimate Ultrafast White Light - and Ultra-supercontinuum broadening from self-phase modulation for isotropic condensed media with extremely intense femtosecond pulses	Alex Kazemi
Pasadena, USA: 5:40 AM	8:40AM	LOPS2021-S01	K	30	Kazemi : Micro FBG Sensor Systems for Aircraft Wing Drag Optimization	Alex Kazemi
Evanston, USA: 8:10 AM	9:10AM	LOPS2021-P01	P	45	Razeghi : Quantum Science and Technology	Alex Kazemi
USA EST: 9:55 PM	9:55AM		CB	20	Coffee Break	
Delft, Netherland: 4:15 PM	10:15AM	LOPS2021-S03	K	30	Dam : Long-range, hysteresis-free and fast optical hydrogen sensing using transition metal hydrides	Alex Kazemi
Melbourne, USA: 10:45 AM	10:45AM	LOPS2021-O01	K	30	Murshid : High-speed optical fiber communications architecture combining SDM and OAM based designs with PAM4 and WDM systems	Alex Kazemi
Redondo, USA : 8:15 AM	11:15AM	LOPS2021-S02	K	30	Mendoza : Wearable Personal Point-of-Care Multi-Parameter Vital-Sign Physiology Optical Sensing Monitor (VISIOM™) System	Alex Kazemi
Strasbourg, France: 5:45 PM	11:45AM	LOPS2021-S05	K	30	Javahiraly : Plasmonic micro sensor for pesticides detection	Alex Kazemi
USA EST: 12:15 PM	12:15PM		LB	30	Lunch Break	

Presenters local Time	EST Timing	Paper #	Code	Min	Session II- Presenter/Paper Title	Chair/Session Chair
Nottingham, UK: 5:35 PM	12:35PM	LOPS2021-S06	I	25	Phang: A traffic light diagnostic inspired by neuromorphic system.	Syed Murshid/ I. Kymissis
Massachusetts, USA: 1:00 PM	1:00PM	LOPS2021-O03	K	30	Fantini: Dual slopes in diffuse optics	Syed Murshid/ I. Kymissis
Washington DC, USA: 1:30 PM	1:30PM	LOPS2021-L03	K	30	Afanasev: Novel Propagation Modes of Twisted Light in Spatially Dispersive Matter	Syed Murshid/ I. Kymissis
Golden, USA: 12:00 PM	2:00PM	LOPS2021-L07	I	25	Knabe: Robust, Field-deployed Laser Modules For Next Generation Quantum Sensors	Syed Murshid/ I. Kymissis
Waco, USA: 1:25 PM	2:25PM	LOPS2021-L04	I	25	Olafsen: Optical Pumping and Reduction of Droop in Interband Cascade Lasers	Syed Murshid/ I. Kymissis
USA EST: 2:50 PM	2:50PM		CB	20	Coffee Break	
New York, USA: 3: 10 PM	3:10PM	LOPS2021-L01	I	25	Kymissis: MicroLEDs and OLEDs for Non-Display Applications	Syed Murshid/ S. Fantini
Irvine, USA: 12:35 PM	3:35PM	LOPS2021-O07	K	30	Chen: Frontier in Optical Coherence Tomography: Doppler OCT, OCTA, and Optical Coherence Elastography	Syed Murshid/ S. Fantini
Connecticut, USA: 4:05 PM	4:05PM	LOPS2021-O09	K	30	Dutta: Semiconductor Optical Amplifiers for Optical logic Applications	Syed Murshid/ S. Fantini
Pittsburgh, USA: 4:35 PM	4:35PM	LOPS2021-O24	K	30	Jana: Diffuse optical spectroscopy-based biomarkers of cerebral health	Syed Murshid/ S. Fantini
Baltimore, USA: 5:05 PM	5:05PM	LOPS2021-O11	K	30	Gramatikov: Ophthalmic polarization-sensitive diagnostic technologies employing retinal birefringence scanning	Syed Murshid/ S. Fantini
Illionis, USA: 4:35 PM	5:35PM	LOPS2021-P10	K	30	Stem: Coherent poly propagation materials with 3-dimensional photonic control over visible light	Syed Murshid/ S. Fantini
	6:05PM		e			

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30	Keynote	K	Duration: 30 minutes
25	Invited	I	Duration: 25 minutes
15	Student	S	Duration: 15 minutes
20	Coffee Break	CB	Duration: 20 Minutes
30	Lunch Break	LB	Duration: 30 Minutes
0	End	e	



Start Time 8:00AM 8 0

Sunday June 13, 2021 All the Time are in USA Eastern Standard Time

Presenters local Time	EST Timing	Paper #	Code	Min	Session III - Presenter/Paper Title	Chair/Session Chair
South Hampton, UK: 1:00 PM	8:00AM	LOPS2021-O02	K	30	Poletti: Hollow core fibers: sensing, machining and communicating with air-guided light	Bernard Dam/ Poletti
Duisburg, Germany: 2:30 PM	8:30AM	LOPS2021-P04	K	30	Siesler: Customer-Affordable Handheld Near-Infrared Spectrometers: On-Site Quality Control and Protection against Product Counterfeiting	Bernard Dam/ Poletti
Orlando, USA: 9:00 AM	9:00AM	LOPS2021-P03	K	30	Delfyett: Ultrafast Photonics Techniques and Applications - Communication and Signal Processing at the Speed of Light	Bernard Dam/ Poletti
Urbana, USA: 8:30 AM	9:30AM	LOPS2021-O10	I	25	Dragic: Advanced optical fiber systems: What do we really need from the fiber?	Bernard Dam/Poletti
USA EST: 9:55 AM	9:55AM		CB	20	Coffee Break	
FortLauderdale, USA: 10:15AM	10:15AM	LOPS2021-L08	I	25	Craddock: Fano Resonances in the Resonance Raman Spectra of Tubulin and Microtubules Reveals Active Quantum Effects	Bernard Dam/ Delfyett
Prague, Czech Republic: 4:40 PM	10:40AM	LOPS2021-O14	I	25	Vojtech : Transmission of Precise Time and Ultrastable Optical Frequency within Telecommunication Networks	Bernard Dam/ Delfyett
Olching, Germany: 5:05 PM	11:05AM	LOPS2021-L02	I	25	Kunsch: Recent Progress & Possible Trends in Infrared Technologies	Bernard Dam/ Delfyett
Birmingham,UK: 4:30 PM	11:30AM	LOPS2021-P05	I	25	Meglinski: Spin Angular Momentum of Light In Digital Histopathology	Bernard Dam/ Delfyett
Paris, France: 5:55 PM	11:55AM	LOPS2021-O12	I	25	Sarayeddine: Display optics Challenges for AR Smart Glasses. The monolithic plastic optics solution	Bernard Dam/ Delfyett
Melbourne, USA: 12:20 PM	12:20PM	LOPS2021-L05	K	30	Arrasmith: High-speed, High-accuracy Direct General Transfer Function Estimation Using a new Well-Optimized Linear Finder (WOLF) Method with Application to Diversity-based Atmospheric Turbulence Compensated Imaging Systems	Bernard Dam/ Delfyett
USA EST: 12:50 PM	12:50PM		LB	30	Lunch Break	

Presenters local Time	EST Timing	Paper #	Code	Min	Session IV - Presenter/Paper Title	Chair/Session Chair
Cranfield, UK: 06:20 PM	1:20PM	LOPS2021-L09	I	25	Suder: Challenges in high power laser processing	Ed Mendoza / Ballato
Huntsville, USA: 12:45 PM	1:45PM	LOPS2021-L10	K	30	Sirohi: Shearography and its applications	Ed Mendoza / Ballato
Norcross, USA: 2:15 PM	2:15PM	LOPS2021-O10	K	30	Westbrook: Enhanced Optical Fibers for Next Generation Distributed Sensing	Ed Mendoza / Ballato
Houston, USA: 1:45 PM	2:45PM	LOPS2021-S07	K	30	Varghese: Exceptional Properties of Hierarchical Oxide Nanostructures for Energy and Medicine	Ed Mendoza / Ballato
USA EST: 3:15PM	3:15PM		CB	20	Coffee Break	
New York, USA: 3:35 PM	3:35PM	LOPS2021-P08	I	25	Pu, Yang: Bridging the gap between optics and life science using Photoacoustic and nonlinear optical microscopy	Ed Mendoza/ Westbrook
North Dakota, USA: 3:00 PM	4:00PM	LOPS2021-S08	I	25	Wang: A novel nanocomposite based on 2D nanosheets, Ti3C2 MXene and 1D nanowires, KxWO for application in diabetes care	Ed Mendoza/ Westbrook
New Haven, USA: 4:25 PM	4:25PM	LOPS2021-L11	I	25	Binlin: Intraoperative margin detection and grading of human meningioma using a handheld visible resonance Raman analyzer and machine learning	Ed Mendoza/ Westbrook
Chandler, USA: 1:50 PM	4:50PM	LOPS2021-L12	I	25	Babic: Lead Selenide Transport and Conductivity Mechanism	Ed Mendoza/ Westbrook
Torrance, USA: 2:15 PM	5:15PM	LOPS2021-P15	I	25	Indu Fiesler: Acousto-ultrasonics applications of fiber optic sensors	Ed Mendoza/ Westbrook
Sydney, Australia: 7:40 AM	5:40PM	LOPS2021-P09	I	25	Kazemikhoo: Effect of photo biomodulation on the healing process of donor site in patients with grade 3 burn ulcer after skin graft surgery (a randomized clinical trial)	Ed Mendoza/ Westbrook
USA EST: 5:40 PM	5:40PM		e			

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30	Keynote	K	Duration: 30 minutes
25	Invited	I	Duration: 25 minutes
15	Student	S	Duration: 15 minutes
20	Coffee Break	CB	Duration: 20 Minutes
30	Lunch Break	LB	Duration: 30 Minutes
	End	e	



Start Time 8:00AM 8 0

Monday June 14, 2021 All the Time are in USA Eastern Standard Time

Presenters local Time	EST Timing	Paper #	Code	Min	Session V - Presenter/Paper Title	Chair/Session Chair
Strasbourg, France: 2:00 PM	8:00AM	LOPS2021-S04	K	30	Javahiraly: Review on the progress of nano-sensors for hydrogen leaks – nanostructured sensors based on palladium nanoparticles	Nicolas Javahiraly/ Seddon
Tehran, Iran: 5:00 PM	8:30AM	LOPS2021-P07	I	25	Zandi: Design of a high-performance photoconductive terahertz modulator enhanced by photonic crystal cavity	Nicolas Javahiraly/ Seddon
Meghalaya, India: 5:25 PM	8:55AM	LOPS2021-O23	I	25	Nitu: Control field Rabi frequency managed broadband supercontinuum generation in a semiconductor quantum well nanostructure	Nicolas Javahiraly/ Seddon
Semnan, Iran: 5:50 PM	9:20AM	LOPS2021-L15	I	25	Ajami: Dispersive White Light Supercontinuum Single Z-scan: A new method to determine the two-photon absorption spectrum	Nicolas Javahiraly/ Seddon
Tehran, Iran: 6:15 PM	9:45AM	LOPS2021-L14	I	25	Dorranian: Review on lasers synthesis and processing of nanostructures	Nicolas Javahiraly/ Seddon
USA EST: 10:10 AM	10:10AM		CB	20	Coffee Break	
Quebec, Canada: 10:30 AM	10:30AM	LOPS2021-O07	I	25	Thibault: Using Deep Learning in Optical System and Lens Design	Nicolas Javahiraly/ Shi
Nottingham, UK: 3:55 PM	10:55AM	LOPS2021-O05	I	25	Seddon: Mid-infrared sources, based on chalcogenide glass fibers	Nicolas Javahiraly/ Shi
British Columbia, Canada: 8:20 AM	11:20AM	LOPS2021-L06	I	25	Zeng: In vivo multiphoton microscopy and multiphoton absorption based laser therapy	Nicolas Javahiraly/ Shi
Clemson, USA: 11:45 AM	11:45AM	LOPS2021-O04	I	25	Ballato: Fascinating materials science for advanced optical fibers	Nicolas Javahiraly/ Shi
San Diego, USA: 9:10 AM	12:10PM	LOPS2021-O06	I	25	Shi: Optical metabolic imaging of cells and tissues	Nicolas Javahiraly/ Shi
USAEST: 12:35 PM	12:35PM		LB	30	Lunch Break	

Presenters local Time	EST Timing	Paper #	Code	Min	Session VI - Presenter/Paper Title	Chair/Session Chair
Evanston, USA: 12:05 PM	1:05PM	LOPS2021-P12	I	15	Gautam: Geiger mode AlGaIn UV APD with single photon detection	Alex Kazemi/ William Arrasmith
New York, USA: 1:20 PM	1:20PM	LOPS2021-P13	I	15	Meyer: Femtosecond Conical Emission in BK-7 Glass and the Influence of the Transient Kerr Nonlinear Index	Alex Kazemi/ William Arrasmith
Evanston, USA: 12:35 PM	1:35PM	LOPS2021-P14	I	15	Junhee: Si-doped p-type Ga2O3 grown by MOCVD and its field-effect transistors	Alex Kazemi/ William Arrasmith
Melbourne, USA: 1:50 PM	1:50PM	LOPS2021-O16	I	15	Ce (Samuel) Su: Optical Simulation Tool for SDM Communication System based on Off-Axis Parabolic Mirror	Alex Kazemi/ William Arrasmith
Coffee Break						
Melbourne, USA: 2: 25 PM	2:25PM	LOPS2021-O17	S	15	Tu, Mingxuan : Analysis of SDM Optical Communications System Using Optisystem and Zemax	Alex Kazemi/ William Arrasmith
Orlando, USA: 2:40 PM	2:40PM	LOPS2021-O18	S	15	Chinmay: PAM-4 Data Transmission using Modulation Instability Frequency Combs on a Kerr Microresonator platform	Alex Kazemi/ William Arrasmith
Melbourne, USA: 2: 55 PM	2:55PM	LOPS2021-O19	S	15	Coon: Performance of a real-time atmospheric turbulence compensation methodology operating on aberrations modeled with Von Karman statistics	Alex Kazemi/ William Arrasmith
Melbourne, USA: 3:10 PM	3:10PM	LOPS2021-O20	S	15	Coots: Infrasound to Optics: System Noise Reduction Using New M.I.D.A.S. Filter With Wavelet-based Pre-Processor	Alex Kazemi/ William Arrasmith
Melbourne, USA: 3:25 PM	3:25PM	LOPS2021-O21	S	15	He, Erlin: Well Optimized Linear Finder (WOLF) Atmospheric Turbulence Compensation (ATC) computational speed improvement through the adoption of parallel, pre-calculated constant complex exponential phase difference chains.	Alex Kazemi/ William Arrasmith
Melbourne, USA: 3:40 PM	3:40PM	LOPS2021-O22	S	15	Xin, Yang: Order Analysis Comparison between traditional Fourier Transform-based atmospheric turbulence compensation methods and new Well Optimized Linear Finder Methodology	Alex Kazemi/ William Arrasmith
Wellington, New Zealand: 7:55 AM"	3:55PM	LOPS2021-O13	I	25	Doronin: A unified platform for simulating light transport in turbid media and its applications in Optical Diagnostics, Sensing and Computer Graphics	Alex Kazemi/ William Arrasmith
Pasadena, USA:1:25 PM	4:20PM		C	5	Closing Ceremony	
USA EST: 4:25 PM	4:25PM		e		End	

Conference Souvenir and Certificates will be posted in the chat box during the conference and emailed to to all attendees after the conference

With the great support from the Organizing Committee includes The Conference Chairman and Chief Executive Committee, Excel Global Conferences organizing 2nd International Scientific Conference on Lasers, Optics, Photonics and Sensors during June 10-12, 2022 in Fort Lauderdale, Florida, USA

Major Scientific & Technical (Business) Sessions

LASERS

- Biomedical and Therapeutic Laser
- Fiber Lasers and Applications
- High Intensity Lasers & High Field Phenomena
- Laser Applications in Life Sciences
- Laser Spectroscopy and Microscopy imaging
- OPO Lasers
- Plasma Technologies
- Quantum Electronics and Laser Science
- Quantum Information & Measurement
- Semiconductor Lasers & LEDs
- Single Photon Sources for Quantum Effects
- Structure OAM Lasers Beams
- Supercontinuum Lasers
- Tunable Lasers
- Ultrafast Picosecond/Femtosecond/Attosecond lasers

OPTICS

- 2PEF & 3 PEF microscope imaging
- Adaptive Optics
- Applied Industrial Optics
- Biomedical Optics spectroscopy & imaging
- Complex & Structure Light of Spin Angular Momentum (SAM) & Orbital Angular Momentum (OAM) Beams
- Computational Optical Sensing & Imaging
- Correlation for Quantum Entanglement
- Fiber Optics Technology
- Fluorescence, Raman, Absorption
- Light propagation in scattering media
- Light-Matter Interaction
- Local & Nonlocal Photon beams
- Nonlinear Crystals & Optics

- Optical Communications & Networking
- Optical Instrumentation
- Optical Materials & Devices
- Optical spectroscopy
- Optics in Astronomy & Astrophysics
- Polarization States, Polarizers & WavePlates
- Q plates & Spatial Light Modulators (SLM)
- Resonance Raman spectroscopy
- SHG, THG, SRS, 4 Wave Mixing
- Special Function optical beams – Bessel, Laguerre Gaussian, Airy & Hermite optical beams
- Spectroscopy, Imaging & Metrology
- Stimulated Raman Gain /Loss imaging
- Tractor beams and nano-rotators
- Windows in NIR & SWIR Spectral Regimes for Transmission

PHOTONICS

- Cell phone with diagnostic capability
- Compact Photonic & Optoelectronic Materials & Devices
- Compact smart spectral photon & imagers
- Fiber Optics Devices
- Microphotonics, Nanophotonics & Optical Manipulation
- Microwave Photonics
- Molecular Photophysics and Spectroscopy
- Nonlinear Optics and Photonics
- Optical Coherence Tomography Technologies
- Organic and Bio-Photonics
- Photodetectors, Sensors and Imaging
- Photonic and Optoelectronic Materials & Devices

- Photonic and Optoelectronic Materials and Devices
- Photonics for Energy & Green Photonics
- Plasmonic Structures & Quantum Dots
- Quantum effect and entangled photons
- Silicon like Ge Si detector & Laser devices
- Ultrafast Phenomena, Attosecond Science & Technology
- Translational Optical Coherence Tomography
- Photoacoustics
- Advanced Microscopy & Spectroscopy
- Multimodal Biomedical Imaging

SENSORS

- Applied Industrial Spectroscopy
- Biosensors and Bioelectronics
- Compact PMT, Avalanche & Pin Diodes
- Computational Optical Sensing & Imaging
- Gas Sensors Based on Conducting Metal Oxides
- Metabolism Detection for Lipids & Protein
- Mobile Sensors
- Molecular Sensors & Nanodevices
- Nano Optoelectronic Sensors and Devices
- Nanomaterials for Biosensors
- Optical Biosensors
- Optics & Photonics for Sensing the Environment
- Optofluidics, Sensors & Actuators in Microstructured Optical Fibers
- Opto-Mechanical Fiber Optic Sensors
- Photo Acoustics Sensing, Detection & Imaging
- Photodetectors in UV, Visible, NIR, SWIR & MIR

- Printed Films
- RFID & Wireless Sensors using Ultra-Wideband Technology
- Semiconductor Gas Sensors
- Semiconductor Nanomaterials for Flexible Technologies
- Sensors and Actuators
- Smart Sensors

BIOPHOTONICS

- Bioimaging
- Biophotonics Techniques
- Cellular level diagnosis
- Clinical Biophotonics
- Diagnostic biophotonics
- Optical coherence tomography (OCT)
- Optical endoscopes
- Optical tagging
- Photobiostimulation
- Therapeutic biophotonics
- Thermal contact
- Visualization of complex structures

Mark your Calendar for LOPS 2022 !

2nd International Scientific Conference on

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