

Sunday, 12 November

9am

Sunday Program I - Su1: Share Your Excitement! Promoting Your Personal Brand Effectively.

Palm Event Center AB

10am

Coffee Break

Palm Event Center

11am

Sunday Program II - Su2: Lab Automation and Experimental Techniques Hackathon

Palm Event Center AB

1pm

Sunday Program III - Su3: Practical Edge and Long-Term Perspectives of Quantum Technologies

Palm Event Center AB

VPIphotonics Workshop: Photonic Design Automation: From Devices to Systems

Palm Event Center E

3pm

Coffee Break

Palm Event Center

4pm

Sunday Program IV - Su4: Shedding Light on Government Partnerships

Palm Event Center FG

6pm

Welcome Reception, Poster Session & Career Fair

Palm Event Center

Monday, 13 November

8:30am

Special Symposium on Quantum Photonic Materials and Devices for Quantum Computing I - MA1: Quantum Sources for Optical Quantum Computing

Palm Event Center AB

Optical Communication: Devices, Interconnects and Subsystems I - MB1: Space and Mode Division Multiplexing over Free Space and Optical Fibers

Palm Event Center CD

Optical Communication and Networks I - MC1: Digital Signal Processing

Palm Event Center E

Detection, Sensing, and Energy I - MD1: III-V Compound Semiconductor Based Detectors

Palm Event Center FG

Nano Photonics, Plasmonics and Metamaterials I - ME1: Resonant Effects and Polariton Interactions

Palm Event Center KL

Biophotonics and Medical Optics I - MF1: Progress in Diffuse Optics

Palm Event Center MN

Optical AI and Computational Photonics I - MG1: Photonic Neural Networks

Palm Event Center O

MH1: PHOTONICS INDUSTRY FOCUS: Photonic Products Showcase

Palm Event Center P

9am

IEEE Member Appreciation Lounge  
Meyer

10am

Coffee Break & Exhibits  
Palm Event Center

10:30am

Special Symposium on Quantum Photonic Materials and Devices for Quantum Computing II - MA2: Heterogeneous Quantum Photonics

Palm Event Center AB

Optical Communication: Devices, Interconnects and Subsystems II - MB2: Mode Division Multiplexing with Integrated Photonics

Palm Event Center CD

Optical Communication and Networks II - MC2: Optical Network Modelling

Palm Event Center E

Light Sources I - MD2: Surface Emitting Lasers (VCSEL, PCSEL & Topological)

Palm Event Center FG

Nano Photonics, Plasmonics and Metamaterials II - ME2: Metamaterials for Bio-sensing and Microscopy

Palm Event Center KL

Propagation, Spectroscopy, and Imaging I - MF2: Advanced Computational Imaging

Palm Event Center MN

Optical AI and Computational Photonics II - MG2: Photonic Hardware Accelerators and Processors

Palm Event Center O

MH2: PHOTONICS INDUSTRY FOCUS: Photonics Business and Markets

Palm Event Center P

12pm

Lunch Break (on own)

1:30pm

Nonlinear Photonics and Novel Optical Phenomena I - MA3: Integrated Nonlinear Optics I

Palm Event Center AB

Optical Communication: Devices, Interconnects and Subsystems III - MB3: Novel Optical Receivers and Signal Monitoring

Palm Event Center CD

Continued from **Monday, 13 November**

Optical Communication and Networks III - MC3: Optical Networking and Parameter Monitoring

Palm Event Center E

Light Sources II - MD3: Micro and Nano I

Palm Event Center FG

Detection, Sensing, and Energy II - ME3: Detector Design and Fabrication

Palm Event Center KL

Biophotonics and Medical Optics II - MF3: Novel Imaging Techniques

Palm Event Center MN

Microwave Photonics and Vehicular Optics I - MG3: Advanced Components for Microwave Photonics

Palm Event Center O

Materials, Foundries, and Fabrication I - MH3: Heterogeneous Integration for Silicon Photonics

Palm Event Center P

**3pm**

Coffee Break & Exhibits

Palm Event Center

**3:30pm**

Nonlinear Photonics and Novel Optical Phenomena II - MA4: Integrated Nonlinear Optics II

Palm Event Center AB

Optical Communication: Devices, Interconnects and Subsystems IV - MB4: Novel Optical Modulation Subsystems and Devices

Palm Event Center CD

Light Sources III - MD4: Micro and Nano II

Palm Event Center FG

Detection, Sensing, and Energy III - ME4: Sensors

Palm Event Center KL

Biophotonics and Medical Optics III - MF4: Applications of Machine Learning

Palm Event Center MN

Microwave Photonics and Vehicular Optics II - MG4: Advanced Devices for Microwave Photonics

Palm Event Center O

Materials, Foundries, and Fabrication II - MH4: Novel Concept for Photonic Integration

Palm Event Center P

**6pm**

\*OPEN TO ALL REGISTERED ATTENDEES - IEEE Photonics Society Awards Banquet (Reception)

Pavilion

**7pm**

OPEN TO ALL REGISTERED ATTENDEES - IEEE Photonics Society Awards Banquet (Seated Dinner)

Pavilion

**Tuesday, 14 November**

**8:30am**

Nonlinear Photonics and Novel Optical Phenomena III - TuA1: Frequency Combs

Palm Event Center AB

Optical Communication: Devices, Interconnects and Subsystems V - TuB1: State of the Art Photonic Integrated Platforms

Palm Event Center CD

Optical Communication and Networks IV - TuC1: Radio-over-fiber and Free-space Optical Systems

Palm Event Center E

Detection, Sensing, and Energy IV - TuD1: Novel Materials for Detectors

Palm Event Center FG

Optical AI and Computational Photonics III - TuE1: Photonic Algorithm-Hardware Homomorphism and Inverse Design

Palm Event Center KL

Biophotonics and Medical Optics IV - TuF1: Advances in Optical Coherence Tomography

Palm Event Center MN

Nano Photonics, Plasmonics and Metamaterials III - TuG1: Optimization of Nanophotonic Designs

Palm Event Center O

TuH1: PHOTONICS INDUSTRY FOCUS: Government Photonic Opportunities

Palm Event Center P

**10am**

Coffee Break & Exhibits

Palm Event Center

**10:30am**

Quantum Photonics I - TuA2: Engineering Quantum Emitters I

Palm Event Center AB

Optical Communication: Devices, Interconnects and Subsystems VI - TuB2: Lasers and Amplifier Subsystems and Devices

Palm Event Center CD

Optical Communication and Networks V - TuC2: Optical Signal Processing

Palm Event Center E

Light Sources IV - TuD2: Heterogeneous Integration

Palm Event Center FG

Materials, Foundries, and Fabrication III - TuE2: PIC Technologies for Emerging Applications

Palm Event Center KL

Propagation, Spectroscopy, and Imaging II - TuF2: Novel Methods and Devices in Spectroscopy

Palm Event Center MN

Nano Photonics, Plasmonics and Metamaterials IV - TuG2: Near-field and Subwavelength Interactions in Nanostructures

Palm Event Center O

## 2023 IEEE Photonics Conference (IPC) 12 - 16 Nov 2023 All times in EDT

Continued from **Tuesday, 14 November**

TuH2: PHOTONICS INDUSTRY FOCUS:  
Commercial Photonic Opportunities  
Palm Event Center P

12pm

PHOTONICS INDUSTRY FOCUS: Standards /  
Industry Connections Luncheon  
Meyer

Lunch Break (on own)

1:30pm

Quantum Photonics II - TuA3: Engineering  
Quantum Emitters II  
Palm Event Center AB

Optical Communication: Devices,  
Interconnects and Subsystems VII - TuB3:  
Photonic Integrated Modulators  
Palm Event Center CD

Optical Communication and Networks VI -  
TuC3: SDM and Multiband Transmission  
Palm Event Center E

Light Sources V - TuD3: High Power Lasers  
Palm Event Center FG

Materials, Foundries, and Fabrication IV -  
TuE3: Novel Materials and Advanced  
Fabrication  
Palm Event Center KL

Biophotonics and Medical Optics V - TuF3:  
Resonance Based Methods  
Palm Event Center MN

Microwave Photonics and Vehicular Optics  
III - TuG3: Microwave Photonic Systems  
Palm Event Center O

3pm

Coffee Break & Exhibits  
Palm Event Center

3:30pm

TuI4: Plenary Session & IEEE Photonics  
Society Awards Recipients  
Citron East/West

**Wednesday, 15 November**

8:30am

Quantum Photonics III - WA1: Hyper-  
Entanglement and Multiplexing Optical  
States  
Palm Event Center AB

Optical Communication: Devices,  
Interconnects and Subsystems VIII - WB1:  
Novel Optical Fiber Designs  
Palm Event Center CD

Special Symposium on Advances in  
Neurophotonics I - WC1: Advances in  
Neurophotonics I  
Palm Event Center E

Detection, Sensing, and Energy V - WD1:  
Integrated Photodetection System  
Palm Event Center FG

Materials, Foundries, and Fabrication V -  
WE1: Photonic Components for Silicon  
Photonics  
Palm Event Center KL

Nano Photonics, Plasmonics and  
Metamaterials V - WF1: Topological Control  
of Nanostructures and their Application  
Palm Event Center MN

Nonlinear Photonics and Novel Optical  
Phenomena IV - WG1: Novel Phenomena I  
Palm Event Center O

WH1: PHOTONICS INDUSTRY FOCUS:  
Photonic Products Showcase  
Palm Event Center P

10am

Coffee Break & Exhibits  
Palm Event Center

10:30am

Quantum Photonics IV - WA2: Integrated  
Quantum Photonics  
Palm Event Center AB

Optical Communication: Devices,  
Interconnects and Subsystems IX - WB2:  
Photonic Integrated Couplers and Switches  
Palm Event Center CD

Special Symposium on Advances in  
Neurophotonics II - WC2: Advances in  
Neurophotonics II  
Palm Event Center E

Detection, Sensing, and Energy VI - WD2:  
Advances in Photodetection I  
Palm Event Center FG

Optical AI and Computational Photonics IV  
- WE2: Photonic Reservoir Computing and  
Processors  
Palm Event Center KL

Nano Photonics, Plasmonics and  
Metamaterials VI - WF2: Color and  
Polarization Control in Nanostructures  
Palm Event Center MN

Nonlinear Photonics and Novel Optical  
Phenomena V - WG2: Novel Phenomena II  
Palm Event Center O

WH2: PHOTONICS INDUSTRY FOCUS:  
Entrepreneurship – Best Practices  
Palm Event Center P

12pm

PHOTONICS INDUSTRY FOCUS: Young  
Professionals Luncheon  
Meyer

Lunch Break (on own)

1:30pm

Quantum Photonics V - WA3: Quantum  
Optical Sensing  
Palm Event Center AB

Biophotonics and Medical Optics VI - WB3:  
Characterization of Tissues and Cells  
Palm Event Center CD

Microwave Photonics and Vehicular Optics  
IV - WC3: Photonic Signal Processing  
Palm Event Center E

**2023 IEEE Photonics Conference (IPC) 12 - 16 Nov 2023** *All times in EDT*

Continued from **Wednesday, 15 November**

Detection, Sensing, and Energy VII - WD3:  
 Advances in Photodetection II  
 Palm Event Center FG

Materials, Foundries, and Fabrication VI -  
 WE3: Novel Photonic Components  
 Palm Event Center KL

Nano Photonics, Plasmonics and  
 Metamaterials VII - WF3: Integrated  
 Photonics for On-chip Modulation  
 Palm Event Center MN

Light Sources VI - WG3: Optimizing at  
 Extreme Wavelengths (UV, QCL, MIR)  
 Palm Event Center O

**3pm**

Coffee Break & Exhibits  
 Palm Event Center

**3:30pm**

WI4: Plenary Session & IEEE Photonics  
 Society Awards Recipients  
 Citron East/West

**5:30pm**

PHOTONICS INDUSTRY FOCUS: Industry  
 Reception and CREOL Lab Tours  
 CREOL, The College of Optics and  
 Photonics at UCF

**Thursday, 16 November**

**8:30am**

Propagation, Spectroscopy, and Imaging III  
 - ThA1: Advanced Imaging Techniques  
 Palm Event Center AB

Light Sources VII - ThB1: Communication  
 and Comb Sources  
 Palm Event Center CD

Microwave Photonics and Vehicular Optics  
 V - ThC1: Integrated Microwave Photonics  
 Palm Event Center E

Optical AI and Computational Photonics V -  
 ThD1: Reconfigurable Photonic Systems  
 Palm Event Center FG

Nonlinear Photonics and Novel Optical  
 Phenomena VI - ThE1: Ultrafast Photonics  
 Palm Event Center KL

Nano Photonics, Plasmonics and  
 Metamaterials VIII - ThF1: Nanoscale Light-  
 matter Interactions in Quantum Materials  
 Palm Event Center MN

**10am**

Coffee Break & Exhibits  
 Palm Event Center

**10:30am**

IPC 2023 Plenary Session, Post-Deadline  
 Presentations and Closing Ceremony  
 Citron East/West