

2024 IEEE Photonics Conference (IPC) 10 - 14 Nov 2024 All times in CEST

Sunday, 10 November		Monday, 11 November	
5:30pm	Photronics Industry Focus I - MH1: PHOTONICS INDUSTRY FOCUS: Photonic Opportunities - European Government Organizations	5:30pm	Photronics Industry Focus II - MH2: PHOTONICS INDUSTRY FOCUS: Photonic Opportunities - US Government Organizations
Break		Break	
8:30am	Photronics Industry Focus I - MH1: PHOTONICS INDUSTRY FOCUS: Photonic Opportunities - European Government Organizations	6pm	Photronics Industry Focus II - MH2: PHOTONICS INDUSTRY FOCUS: Photonic Opportunities - US Government Organizations
Sunday Program I - Su1: An Outlook on Future Optical Network Architecture and Photonic Technologies for the Internet	Welcome Reception & Poster Session	10am	12pm
10am		Break & Exhibits	Lunch Break (on own)
Break		10:30am	2pm
10:30am	Optical Communication and Networks I - MA1: Free Space Optical Communication	Optical Communication and Networks II - MA2: Multiband Optical Networks	Biophotonics and Medical Optics I - MA3: Optical Coherence Tomography
Su2: TBD	SS on A Tech Roadmap for High Power Diode Laser Pumps for Large Laser Facilities I - MB2: Large-scale Diode-pumped Lasers: Status and Requirements	SS on A Tech Roadmap for High Power Diode Laser Pumps for Large Laser Facilities II - MB2: Performance and Cost-Scaling of Industrial Diodes and Stacks	SS on A Tech Roadmap for High Power Diode Laser Pumps for Large Laser Facilities II - MB3: Performance and Cost-Scaling of Industrial Diodes and Stacks
12pm	Light Sources I - MC1: Structured Light, Mode/Beam Engineering	Light Sources II - MC2: Quantum and Low-Coherence Sources	Light Sources III - MC3: UV-Visible Devices and Applications
Lunch Break (on own)	Optical AI and Computational Photonics I - MB1: Progress in Photonic Computing with Silicon Photonics	Optical Communication: Devices, Interconnects and Subsystems II - MD2: High-Speed & High-Count Data Center Interconnects	Optical Communication: Devices, Interconnects and Subsystems III - MD3: State of the Art High Speed Photonic Integrated Optical Modulators
2pm	Optical Communication: Devices, Interconnects and Subsystems I - MD1: Advances in Digital Signal Processing for Optical Interconnects	Materials, Foundries, and Fabrication II - ME2: Emerging Materials	Microwave Photonics and Vehicular Optics I - ME3: Microwave Photonics and Photonics Signal Processing I
Su3: From Wireless Telegraphy to Free Space Communications: Celebrating 150 Years Since Marconi's Birth	Materials, Foundries, and Fabrication I - ME1: Optical Modulators	Nonlinear Photonics and Novel Optical Phenomena II - MF2: Attosecond Physics and Precise Sensing Metrology	Nonlinear Photonics and Novel Optical Phenomena III - MF3: Integrated Photonics and Micro Combs I
3:30pm	Nonlinear Photonics and Novel Optical Phenomena I - MF1: Attosecond Physics	Nano Photonics, Plasmonics, and Metamaterials II - MG2: 2d Materials, Plasmonic Nanocavities and Metastructures	Nano Photonics, Plasmonics, and Metamaterials III - MG3: Nonlinear Materials and Polaritons
Break	Nano Photonics, Plasmonics, and Metamaterials I - MG1: Thz Optics and Optoelectronics		
4pm			Quantum Photonics I - MH3: Quantum Photonics
Su4: Hack your research! Tools and Tricks for Today's Telecommunications Techies			

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Continued from Monday, 11 November	Untitled Event	10am	2pm
3:30pm	6:30pm	Break & Exhibits	Biophotonics and Medical Optics IV - TuA3: Biosensing and Biocharacterisation
Break & Exhibits	Seated Dinner - IEEE Photonics Society Banquet	10:30am	Detection, Sensing, and Energy III - TuB3: Novel Detector Materials II
4pm	Tuesday, 12 November	Biophotonics and Medical Optics III - TuA2: Microscopy	SS on Heterogeneous Integration of UV to Visible Photonics for Emerging Applications I - TuC3: Emerging Laser and Integrated Photonics in UV Regime
Biophotonics and Medical Optics II - MA4: Computation in Optics	8:30am	Detection, Sensing, and Energy II - TuB2: Novel Detector Materials I	Optical Communication: Devices, Interconnects and Subsystems V - TuD3: Novel Photonic Integrated Couplers and Devices
SS on A Tech Roadmap for High Power Diode Laser Pumps for Large Laser Facilities III - MB4: Performance and Yield Scaling of Semiconductors	Optical AI and Computational Photonics II - TuA1: Enabling Technologies for Programmable Photonic Processors	Light Sources V - TuC2: Epitaxial Growth & QD Lasers	Microwave Photonics and Vehicular Optics IV - TuE3: Frequency Combs and Related Microwave Photonic Applications
Light Sources VII - MC4: VCSELs	Detection, Sensing, and Energy I - TuB1: III-V compounds semiconductor based devices	Materials, Foundries, and Fabrication IV - TuD2: Emerging PICs - II	Optical Communication and Networks V - TuF3: ML and Signal Processing for Optical Communications
Optical Communication and Networks III - MD4: High-Capacity Short and Long-Haul Transmission	Light Sources IV - TuC1: Quantum Dots and Single Frequency Lasers	Microwave Photonics and Vehicular Optics III - TuE2: LiDAR	Propagation, Spectroscopy, and Imaging III - TuG3: Bioimaging
Microwave Photonics and Vehicular Optics II - ME4: Microwave Photonics and Photonics Signal Processing II	Materials, Foundries, and Fabrication III - TuD1: Emerging PICs - I	Nano Photonics, Plasmonics, and Metamaterials V - TuF2: Couplers and Waveguides	Optical AI and Computational Photonics III - TuH3: Novel Optical Computing Paradigms
Nonlinear Photonics and Novel Optical Phenomena IV - MF4: Integrated Photonics and Micro Combs II	Optical Communication: Devices, Interconnects and Subsystems IV - TuE1: Hollow Core Optical Fibers and Optical Fiber Amplifiers	Propagation, Spectroscopy, and Imaging II - TuG2: Ultrafast Spectroscopy and Imaging	3:30pm
Nano Photonics, Plasmonics, and Metamaterials IV - MG4: Dielectric Metamaterials and Metastructures	Optical Communication and Networks IV - TuF1: Advances in Optical Networking	Photonics Industry Focus IV - TuH2: PHOTONICS INDUSTRY FOCUS: Photonic Engineer Continuing Education - Bridging the Gap	Break & Exhibits
Quantum Photonics II - MH4: Quantum Photonics	Propagation, Spectroscopy, and Imaging I - TuG1: Label-Free Imaging	12pm	4pm
6pm	Photonics Industry Focus III - TuH1: PHOTONICS INDUSTRY FOCUS: Photonic Technician Education - Bridging the Gap	Lunch Break (on own)	Plenary I - TuI4: Plenary Session & IEEE Photonics Society Awards Recipients I
IEEE Photonics Society Banquet Reception			

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Wednesday, 13 November

8:30am

Biophotonics and Medical Optics V - WA1: Optics in the Brain

Detection, Sensing, and Energy IV - WB1: Advances in Photodetection

SS on Heterogeneous Integration of UV to Visible Photonics for Emerging Applications II - WC1: Photonic Integration for UV to Visible Applications

Optical Communication: Devices, Interconnects and Subsystems VI - WD1: Photonic Devices for Free Space Optical Communications

Nonlinear Photonics and Novel Optical Phenomena V - WE1: Frequency Comb

Nano Photonics, Plasmonics, and Metamaterials VI - WF1: Photonic Enhanced Emission

Optical AI and Computational Photonics IV - WG1: Optical Accelerators and Photonic Neural Networks

Photonics Industry Focus V - WH1: PHOTONICS INDUSTRY FOCUS: Photonic Product Development Cycle

10am

Break & Exhibits

10:30am

Biophotonics and Medical Optics VI - WA2: Phase imaging

Detection, Sensing, and Energy V - WB2: Sensors - I

SS on Heterogeneous Integration of UV to Visible Photonics for Emerging Applications III - WC2: Heterogeneous Integration of UV to Visible Photonics

Materials, Foundries, and Fabrication V - WD2: Advanced Fabrication and Packaging

Nonlinear Photonics and Novel Optical Phenomena VI - WE2: Topological Physics

Nano Photonics, Plasmonics, and Metamaterials VII - WF2: Nanophotonic Displays and Sensing

Optical AI and Computational Photonics V - WG2: Photonic Spiking Neural Networks

Photonics Industry Focus VI - WH2: PHOTONICS INDUSTRY FOCUS: Photonic Standards - Industry Drivers and Needs

12pm

Lunch Break (on own)

2pm

Detection, Sensing, and Energy VI - WB3: Sensors - II

SS on Heterogeneous Integration of UV to Visible Photonics for Emerging Applications IV - WC3: Heterogeneous Integration of GaN Optoelectronics

Materials, Foundries, and Fabrication VI - WD3: Advanced PIC Components

Optical Communication: Devices, Interconnects and Subsystems VII - WE3: Advances in Photonic Integrated Detectors and Lasers

Nano Photonics, Plasmonics, and Metamaterials VIII - WF3: Photonic Crystals and Disordered Scattering Media

Propagation, Spectroscopy, and Imaging IV - WG3: Ultrafast Imaging

Quantum Photonics III - WH3: Quantum Photonics

3:30pm

Break & Exhibits

4pm

Plenary II - Plenary Session & IEEE Photonics Society Awards Recipients II

Thursday, 14 November

8:30am

SS on AI/ML Integrated Optoelectronics - IPC JSTQE Featured Symposium I - ThA1: AI/ML Integrated Optoelectronics I

Detection, Sensing, and Energy VII - ThB1: Integrated Photodetection Systems - I

Light Sources VI - ThC1: Silicon Platform Integration I

Optical Communication: Devices, Interconnects and Subsystems VIII - ThD1: Novel Photonic Integrated Switches and Filters

Microwave Photonics and Vehicular Optics V - ThE1: Photonics Signal Processing

Nonlinear Photonics and Novel Optical Phenomena VII - ThF1: Strong Field Physics

Optical Communication and Networks VI - ThG1: Optical and Digital Signal Processing

Quantum Photonics IV - ThH1: Quantum Photonics

10am

Break

10:30am

SS on AI/ML Integrated Optoelectronics - IPC JSTQE Featured Symposium II - ThA2: AI/ML Integrated Optoelectronics II

Detection, Sensing, and Energy VIII - ThB2: Integrated Photodetection Systems - II

Light Sources - ThC2: Silicon Platform Integration II

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Continued from **Thursday, 14 November**

Microwave Photonics and Vehicular Optics
VI - ThE2: Advanced Microwave Photonic
Components and Applications

Nonlinear Photonics and Novel Optical
Phenomena VIII - ThF2: Nonlinear
Waveguides

Optical Communication and Networks VII -
ThG2: Space Division Multiplexing

12pm

Lunch (on own)

2pm

IPC 2024 Post-Deadline Presentations and
Closing Ceremony