

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

Sunday, 10 November

8:30am

Su1: An Outlook on Future Optical Network Architecture and Photonic Technologies for the Internet

Sala Cosmo IIIAB

10am

Break

Foyer Cosmo

10:30am

Su2: Emerging Applications of Photonic Technologies in Critical Areas Across the Global Fiber-Optic Network

Sala Cosmo IIIAB

12pm

Lunch Break (on own)

2pm

Su3: From Wireless Telegraphy to Free Space Communications: Celebrating 150 Years Since Marconi's Birth

Sala Cosmo IIIAB

3:30pm

Break

Foyer Cosmo

4pm

Su4: Hack your research! Tools and Tricks for Today's Telecommunications Techies

Sala Cosmo II

5:30pm

Break

Foyer Cosmo

6pm

Welcome Reception & Poster Session

Sala Nebulosa

Monday, 11 November

8:30am

Optical Communication and Networks I - MA1: Free Space Optical Communication

Sala Cosmo IIIA

Optical AI and Computational Photonics I - MB1: Progress in Photonic Computing with Silicon Photonics

Sala Cosmo IIIB

Light Sources I - MC1: Structured Light, Mode/Beam Engineering

Sala Cosmo IIIC

Optical Communication: Devices, Interconnects and Subsystems I - MD1: Advances in Digital Signal Processing for Optical Interconnects

Sala Eclissi IV

Materials, Foundries, and Fabrication I - ME1: Optical Modulators

Sala Eclissi III

Nonlinear Photonics and Novel Optical Phenomena I - MF1: Attosecond Physics

Sala Eclissi I+II

Nano Photonics, Plasmonics, and Metamaterials I - MG1: Thz Optics and Optoelectronics

Sala Cosmo IA

Photonics Industry Focus I - MH1: PHOTONICS INDUSTRY FOCUS: Photonic Opportunities - European Government Organizations

Sala Cosmo IC

10am

Break & Exhibits

Foyer Cosmo

IEEE Member Appreciation Lounge

Sala Cosmo IB

10:30am

Optical Communication and Networks II - MA2: Multiband Optical Networks

Sala Cosmo IIIA

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

Sala Cosmo IIIB

Light Sources II - MC2: Quantum and Low-Coherence Sources

Sala Cosmo IIIC

Optical Communication: Devices, Interconnects and Subsystems II - MD2: High-Speed & High-Count Data Center Interconnects

Sala Eclissi IV

Materials, Foundries, and Fabrication II - ME2: Emerging Materials

Sala Eclissi III

Nonlinear Photonics and Novel Optical Phenomena II - MF2: Attosecond Physics and Precise Sensing Metrology

Sala Eclissi I+II

Nano Photonics, Plasmonics, and Metamaterials II - MG2: 2d Materials, Plasmonic Nanocavities and Metastructures

Sala Cosmo IA

Photonics Industry Focus II - MH2: PHOTONICS INDUSTRY FOCUS: Photonic Opportunities - US Government Organizations

Sala Cosmo IC

12pm

Lunch Break (on own)

2pm

Biophotonics and Medical Optics I - MA3: Optical Coherence Tomography

Sala Cosmo IIIA

Microwave Photonics and Vehicular Optics I - MB3: Microwave Photonics and Photonics Signal Processing I

Sala Cosmo IIIB

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

Continued from Monday, 11 November

Light Sources III - MC3: UV-Visible Devices and Applications
Sala Cosmo IIIC

Optical Communication: Devices, Interconnects and Subsystems III - MD3: State of the Art High Speed Photonic Integrated Optical Modulators
Sala Eclissi IV

Quantum Photonics I - ME3: Quantum Emitters and Circuits
Sala Eclissi III

Nonlinear Photonics and Novel Optical Phenomena III - MF3: Integrated Photonics and Micro Combs I
Sala Eclissi I+II

Nano Photonics, Plasmonics, and Metamaterials III - MG3: Nonlinear Materials and Polaritons
Sala Cosmo IA

SS on A Tech Roadmap for High Power Diode Laser Pumps for Large Laser Facilities II - MH3: Performance and Cost-Scaling of Industrial Diodes and Stacks
Sala Cosmo IC

3:30pm

Break & Exhibits
Foyer Cosmo

4pm

Biophotonics and Medical Optics II - MA4: Computation in Optics
Sala Cosmo IIIA

Microwave Photonics and Vehicular Optics II - MB4: Microwave Photonics and Photonics Signal Processing II
Sala Cosmo IIIB

Light Sources VII - MC4: VCSELS
Sala Cosmo IIIA

Optical Communication and Networks III - MD4: High-Capacity Short and Long-Haul Transmission
Sala Eclissi IV

Quantum Photonics II - ME4: Quantum Networks and Communication
Sala Eclissi III

Nonlinear Photonics and Novel Optical Phenomena IV - MF4: Integrated Photonics and Micro Combs II
Sala Eclissi I+II

Nano Photonics, Plasmonics, and Metamaterials IV - MG4: Dielectric Metamaterials and Metastructures
Sala Cosmo IA

SS on A Tech Roadmap for High Power Diode Laser Pumps for Large Laser Facilities III - MH4: Performance and Yield Scaling of Semiconductors
Sala Cosmo IC

6:30pm

IEEE Photonics Society Reception
Sala Nebulosa

7pm

Seated Dinner - IEEE Photonics Society Banquet
Sala Cosmo II-III

Tuesday, 12 November

8:30am

Optical AI and Computational Photonics II - TuA1: Enabling Technologies for Programmable Photonic Processors
Sala Cosmo IIIA

Detection, Sensing, and Energy I - TuB1: III-V compounds semiconductor based devices
Sala Cosmo IIIB

Light Sources IV - TuC1: Quantum Dots and Single Frequency Lasers
Sala Cosmo IIIC

Materials, Foundries, and Fabrication III - TuD1: Emerging PICs - I
Sala Eclissi IV

Optical Communication: Devices, Interconnects and Subsystems IV - TuE1: Hollow Core Optical Fibers and Optical Fiber Amplifiers
Sala Eclissi III

Optical Communication and Networks IV - TuF1: Advances in Optical Networking
Sala Eclissi I+II

Propagation, Spectroscopy, and Imaging I - TuG1: Label-Free Imaging
Sala Cosmo IA

Photonics Industry Focus III - TuH1: PHOTONICS INDUSTRY FOCUS: Photonic Technician Education - Bridging the Gap
Sala Cosmo IC

10am

Break & Exhibits
Foyer Cosmo

10:30am

Biophotonics and Medical Optics III - TuA2: Microscopy
Sala Cosmo IIIA

Detection, Sensing, and Energy II - TuB2: Novel Detector Materials I
Sala Cosmo IIIB

Light Sources V - TuC2: Epitaxial Growth & QD Lasers
Sala Cosmo IIIC

Materials, Foundries, and Fabrication IV - TuD2: Emerging PICs - II
Sala Eclissi IV

Microwave Photonics and Vehicular Optics III - TuE2: LiDAR
Sala Eclissi III

Nano Photonics, Plasmonics, and Metamaterials V - TuF2: Couplers and Waveguides
Sala Eclissi I+II

Propagation, Spectroscopy, and Imaging II - TuG2: Ultrafast Spectroscopy and Imaging
Sala Cosmo IA

Photonics Industry Focus IV - TuH2: PHOTONICS INDUSTRY FOCUS: Photonic Engineer Continuing Education - Bridging the Gap
Sala Cosmo IC

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

Continued from **Tuesday, 12 November**

12pm

Lunch Break (on own)

2pm

Biophotonics and Medical Optics IV - TuA3:
Biosensing and Biocharacterisation

Sala Cosmo IIIA

Detection, Sensing, and Energy III - TuB3:
Novel Detector Materials II

Sala Cosmo IIIB

SS on Heterogeneous Integration of UV to
Visible Photonics for Emerging Applications
I - TuC3: Emerging Laser and Integrated
Photonics in UV Regime

Sala Cosmo IIIC

Optical Communication: Devices,
Interconnects and Subsystems V - TuD3:
Novel Photonic Integrated Couplers and
Devices

Sala Eclissi IV

Microwave Photonics and Vehicular Optics
IV - TuE3: Frequency Combs and Related
Microwave Photonic Applications

Sala Eclissi III

Optical Communication and Networks V -
TuF3: ML and Signal Processing for Optical
Communications

Sala Eclissi I+II

Propagation, Spectroscopy, and Imaging III
- TuG3: Bioimaging

Sala Cosmo IA

Optical AI and Computational Photonics III
- TuH3: Novel Optical Computing
Paradigms

Sala Cosmo IC

3:30pm

Break & Exhibits

Foyer Cosmo

4pm

Plenary I - TuI4: Plenary Session & IEEE
Photonics Society Awards Recipients I

Sala Cosmo II

Wednesday, 13 November

8:30am

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

Sala Cosmo IIIA

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

Sala Cosmo IIIB

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

Sala Cosmo IIIC

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

Sala Eclissi IV

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

Sala Eclissi III

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

Sala Eclissi I+II

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

Sala Cosmo IA

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

Sala Cosmo IC

10am

Break & Exhibits

Foyer Cosmo

10:30am

Biophotonics and Medical Optics VI - WA2:
Phase imaging

Sala Cosmo IIIA

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

Sala Cosmo IIIB

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

Sala Cosmo IIIC

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

Sala Eclissi IV

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

Sala Eclissi III

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

Sala Eclissi I+II

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

Sala Cosmo IA

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

Sala Cosmo IC

12pm

Young Professional Luncheon (Pre-
Registration Required)

Sala Supernova

2pm

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

Sala Cosmo IIIB

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

Sala Cosmo IIIC

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

Sala Eclissi IV

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

Continued from **Wednesday, 13 November**

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

Sala Eclissi III

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

Sala Eclissi I+II

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

Sala Cosmo IA

Quantum Photonics III - WH3: Integrated Photonics

Sala Cosmo IC

3:30pm

Break & Exhibits

Foyer Cosmo

4pm

Plenary II - WI4: Plenary Session & IEEE Photonics Society Awards Recipients II

Sala Cosmo II

Thursday, 14 November

8:30am

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

Sala Cosmo IIIA

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

Sala Cosmo IIIB

Light Sources VI - ThC1: Silicon Platform Integration I

Sala Cosmo IIIC

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

Sala Eclissi IV

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

Sala Eclissi III

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

Sala Eclissi I+II

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

Sala Cosmo IA

Quantum Photonics IV - ThH1: Quantum State Engineering

Sala Cosmo IC

10am

Break

Foyer Cosmo

10:30am

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

Sala Cosmo IIIA

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

Sala Cosmo IIIB

Light Sources - ThC2: Silicon Platform Integration II

Sala Cosmo IIIC

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

Sala Eclissi III

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

Sala Eclissi I+II

Optical Communication and Networks VII - ThG2: Space Division Multiplexing

Sala Cosmo IA

12pm

Lunch (on own)

2pm

IPC 2024 Plenary and Post-Deadline Presentations and Closing Ceremony

Sala Cosmo II