

D4: Passive Photonic Components Across Domains	
Location: Conference Room 102A, 1F	
November 2, 2026	
13:30-14:30	TBD (Tutorial) Daoxin Dai Zhejiang University, China
14:30-15:00	Integrated Optical Phased Arrays for Next-Generation Solid-State Beam Steering (Invited) Yong Liu
15:00-15:15	Dispersion-Enhanced Metalens via Synergistic Modulation of Broadband Phase and Group Delay (Oral) Ruixin Lu Xi'an University of Posts and Telecommunications, China
15:15-15:30	Dispersion-Compensating Metasurface for Optical Communication (Oral) Feng Liu Westlake University, China
15:30-16:00	Coffee Break
16:00-16:30	TBD (Invited) Lin Chang Peking University, China
16:30-16:45	Ultra-Compact Silicon Reflective Arrayed Waveguide Gratings Enabled by Inverse Design (Oral) Mengxi Cui Southern University of Science and Technology, China
16:45-17:00	Compact, Low-Loss Grabowski Hybrid Bend in Silicon Nitride Photonic Waveguides for O-Band (Oral) Changxing Yang Beijing University of Posts and Telecommunications, China
17:00-17:15	Multidimensional Topological Control of Vortex Beams Enabled by Rotationally Stacked Triple-Fork Gratings (Oral) Duanduan Wu Ningbo University, China
17:15-17:30	Reflection-Matrix-Guided Hybrid Inverse Design of Low-Index-Contrast Multimode Reflectors (Oral) Yuxin Hao Southern University of Science and Technology, China
17:30-17:45	High Extinction Ratio 2×2 Silicon MZI Switch Using a Chamfered MMI Coupler (Oral) Ting Liu

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November 3, 2026	
13:30-14:30	Ultralow-loss silicon nitride integrated photonics: advances and applications (Tutorial) Victor Torres Company
14:30-15:00	TBD (Invited) Junqiu Liu Shenzhen International Quantum Research Institute, China
15:00-15:30	Meter-Scale Chirped Bragg Gratings Based on Ultra-Low-Loss Silicon Nitride (Invited) Chao Xiang
15:30-15:45	Symmetric Passive Silicon Nitride Photonic Integrated Circuit with High Polarization Extinction Ratio Optimized for Interferometric Fiber Optic Gyroscope (Oral) Quang Huy Pham Viettel Semiconductor Center, Vietnam
15:45-17:30	Coffee Break & Poster Session

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November 4, 2026	
08:30-09:00	Recent advances in programmable photonics (Invited) Jose Capmany Valencia Polytechnic University, Spain
09:00-09:15	Broadband and Compact Silicon Mode Exchanger Enabling Simultaneous Even- and Odd-Mode-Pair Swapping (Oral) Jiacheng Li Zhejiang University, China
09:15-09:30	Compact Mode Multiplexer/Demultiplexer Based on Folded Multi-Plane Light Conversion (Oral) Zhanhong Wen Sun Yat-sen University, China
10:00-10:30	Coffee Break
10:30-11:00	Tantalum Pentoxide Third-order Nonlinear Integrated Photonics (Invited) Qiancheng Zhao Southern University of Science and Technology, China
11:00-11:30	TBD (Invited) Beibei Li Institute of Physics, Chinese Academy of Sciences, China
11:30-11:45	Wavelength-Insensitive Microrings with Artificial Gauge Field Couplers in the O-Band (Oral) Zhaonian Wang Pengcheng Laboratory, China
11:45-12:00	Polymer-Loaded LNOI Long-Period Waveguide Grating with Tunable Wavelength and Contrast for Reconfigurable Optical Filtering (Oral) Jiayao Deng University of Electronic Science and Technology of China, China
12:00-13:30	Lunch

13:30-14:00	Physics-informed data-driven modeling of thermal crosstalk in interferometer meshes (Invited) Isidora Teofilovic Technical University of Denmark, Denmark
14:00-14:15	3D-Printing-Assisted Fiber Arrangement Optimization for Low-Loss Six-Mode-Group Selective Photonic Lanterns (Oral) Xiaokang Zhong Guangdong University of Technology, China
14:15-14:30	Mechanism and Fabrication of Helical Fiber Gratings in Strongly-Coupled Four-Core Fibers (Oral) Jiaming Chen Jinan University, China
14:30-14:45	Femtosecond-laser-inscribed active tilted fiber gratings as monolithic gain polarizers for compact ultrafast fiber lasers (Oral) Kyriacos Kalli Cyprus University of Technology, Cyprus
14:45-15:00	Ultra-Low Loss Few-Mode Nested Elliptical Tube Hollow-Core Anti-Resonant Fiber (Oral) Wenzhe Chang China Telecom Research Institute, China
15:00-15:15	CNN-Assisted Real-Time Alignment Monitoring of Hollow-Core Fiber and Single-Mode Fiber (Oral) Eryang Liu Department of Electronic Engineering, China; Jinan University, China
15:15-15:30	Strongly enhanced circular dichroism near anti-crossing in chiral single-ring PCF (Oral) Xinyang Liu Shanghai Institute of Optics and Fine Mechanics and Hangzhou Institute of Optics and Fine
15:30-16:00	Coffee Break
16:00-16:15	Multichannel Mode Converter Using Amplitude-Sampled Tapered LPFG in Few-Mode Fiber (Oral) Yi Luo Shanghai University, China
16:15-16:30	Switching wave linear-wave interaction in a pulsed-driven fibre Fabry-Pérot resonator (Oral) Shengbo Xu University of Auckland, New Zealand; The Dodd-Walls Centre for Photonic and Quantum Technologies, New Zealand
16:30-16:45	On-Chip Thermal Mapping of Battery Hotspots Using A Quasi-Distributed Photonic Approach (Oral) Haomin Wang Zhejiang Key Laboratory of 3D Micro/Nano Fabrication and Characterization, Department of Electronic and Information Engineering, School of Engineering Westlake University,
16:45-17:00	Fabrication-Tolerant Narrow-Waveguide Directional Couplers on a 400-nm-Thick Silicon Nitride Platform (Oral) Haoran Shi Shanghai Jiao Tong University, China