

NP2: Microwave Photonic Devices and Systems	
Location: Conference Room 101, 1F	
November 3, 2026	
13:30-14:00	Microwave Photonic Stepped-Frequency Signal Synthesis for Broadband Sensing Applications (Invited) Yihan Li Beihang University, China
14:00-14:30	Photonic-Assisted Frequency Diverse Array (Invited) Yongsheng Gao Northwestern Polytechnical University, China
14:30-14:45	Experimental 48-Gbps Wideband Non-Orthogonal Signal Over-the-Air Transmission at D-Band Using an Ultra-Low-Phase-Noise Photonic-Aided LO (Oral) Yalin Zhou
14:45-15:00	Photonics-aided THz ISAC System Based on Time Frequency Efficient SFW-OFDM Waveform (Oral) Junhao Zhang Southeast University, China
15:00-15:15	Real-Time Simultaneous High-Precision Absolute Delay Measurement for Distributed Fiber Networks (Oral) Zixin Yuan Beijing Institute of Technology, China
15:15-15:30	Deep Unfolding Network for Phase Estimation and Tracking in Photonics-Terahertz Wireless Transmission (Oral) Yunfei Zhang Beijing University of Posts and Telecommunications, China
15:30-17:30	Coffee Break & Poster Session

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Location: Conference Room 101, 1F	
November 4, 2026	
08:30-09:00	High-speed signal generation, processing and long-time storage in an amplified fiber-optic recirculating loop (Invited) Yiran Guan University of Ottawa, Canada
09:00-09:30	Multi-band Frequency Conversion Method for Over-the-Horizon Communication Based on a Single Optical Frequency Comb (Invited) Tao Pu Army Engineering University of PLA, China
09:30-09:45	Microwave Photonic Dual-Band Radar Signal Generation and De-chirp Reception (Oral) Wang Hao Nanjing University of Aeronautics and Astronautics, China
09:45-10:00	A Reconfigurable Integrated Microwave Photonic System for Rapid Broadband Spectrum Sensing and Agile Jamming Signal Generation (Oral) Han Qiu National Key Laboratory of Microwave Photonics, China
10:00-10:30	Coffee Break

10:30-11:00	Photonics-assisted multi-parameter extraction of microwave signals (Invited) Dan Zhu Nanjing University of Aeronautics and Astronautics, China
11:00-11:30	High-precision and wideband microwave photonic frequency measurement (Invited) Yiwei Xie Zhejiang University, China
11:30-11:45	Ultra Wide-bandwidth Silicon Microwave Frequency Measurement System (Oral) Zexu Wang State Key Laboratory for Modern Optical Instrumentation, College of Optical Science
11:45-12:00	Multidimensional Diffractive Meta-Neural Networks for Super-Resolution DOA Estimation (Oral) Songtao Yang Tsinghua University, China
12:00-13:30	Lunch
13:30-14:00	Integrated Lithium Niobate microwave photonics (Invited) Hanke Feng City University of Hong Kong, Hong Kong, China
14:00-14:30	The Second Evolution of Integrated Optical Frequency Combs (Invited) Qifan Yang Peking University, China
14:30-14:45	Integrated Lithium Niobate Tri-comb for Broadband Instantaneous Frequency Measurement (Oral) Zeyuan Xie Zhejiang University, China
14:45-15:00	On-chip programmable optical spectral shaper for microwave photonics filters (Oral) Haoran Zhang Beijing University of Posts and Telecommunications, China
15:00-15:15	TOPS-Speed Complex-Valued Optical Convolutional Accelerator for Feature Extraction and Inference (Oral) Yifu Xu Beijing University of Posts and Telecommunications, China
15:15-15:30	Optomechanical Frequency Comb Generation in Silica Microspheres (Oral) Doudou Feng Shanghai University, China
15:30-16:00	Coffee Break
16:00-16:30	High-Precision Delay-Stabilized Fiber-Optic Transmission and Its Applications (Invited) Wei Wei Beijing Institute of Technology, China
16:30-16:45	A GNSS-over-Fiber Array-Fusion Method under Non-Strict Common-Clock Conditions and Its Error Analysis (Oral) Chongmei Liu Southwest Jiaotong University, China

16:45-17:00	Widely Tunable Low-Phase-Noise Photonic Microwave Generation Using Stabilized Period-One Laser Dynamics (Oral) Kun Liu Soochow University, China
17:00-17:15	An Equalization Method Based on Dilated Convolutional Neural Network and Spatial Attention Mechanism for Photonic-Assisted W-Band NOMA-OTFS Systems (Oral) Lu Meng
17:15-17:30	Optical-Power-Insensitive Phase-Stabilized Microwave Transmission System Over Fiber (Oral) Xiangyi Liu Beijing Institute of Technology, China
17:30-17:45	High-order Dispersion Synthesizer with Dual-Chirped Multimode Waveguide Gratings (Oral) Ruitao Ma State Key Laboratory for Modern Optical Instrumentation, College of Optical Science and Engineering, Zhejiang University, China