

NP4: Materials, Nanofabrication, and Characterization Techniques	
Conference Room 101, 1F	
November 2, 2026	
Presider: Yuanlin Zheng, Shanghai Jiao Tong University, China	
13:30-14:30	Optical neural networks enabled by direct laser writing (Tutorial) Qiming Zhang University of Shanghai for Science and Technology, China
14:30-15:00	Performance and Mechanism Research of Two-dimensional Polarized Photodetectors (Invited) Wei Xin Northeast Normal University, China
15:00-15:30	Hyperbolic Metamaterial based fiber plasmonic sensor and its biomedical sensing application (Invited) Yunhan Luo Jinan University, China
15:30-16:00	Coffee Break
Presider: Qiming Zhang, University of Shanghai for Science and Technology, China	
16:00-16:30	Nanofabrication of thin-film lithium niobate photonic crystals for deep sub-wavelength photonics (Invited) Yuanlin Zheng Shanghai Jiao Tong University, China
16:30-17:00	Progress in Light-Matter Interactions in 2D Materials from Visible to THz (Invited) Jianbin Xu The Chinese University of Hong Kong, China
17:00-17:30	Light- and Thermally Driven Self-Organization of Metallic Nanoparticle Arrays for Photonic Applications (Invited) Xiaoqin Wu Chongqing University, China

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Conference Room 101, 1F	
November 3, 2026	
Presider: Wei Xin, Northeast Normal University, China	
08:30-09:00	Nanostructure Lattices and Their Nanophotonic Devices (Invited) Shikai Deng Shanghai Institute of Microsystem and Information Technology, China

09:00-09:30	Ultrafast laser-assisted etching of glass: From fabrication to device applications (Invited) Jian Xu East China Normal University, China
09:30-09:45	Superior Optical Gyromagnetic Response in a Magneto-Optical Metagrating (Oral) Tong-Huai Cheng Westlake University, China
09:45-10:00	Permanent Tuning of Silicon Photonic Devices by Multiple Near-Infrared Femtosecond Laser Pulses (Oral) Ruoheng Zhang University of Alberta, Canada
10:00-10:30	Coffee Break
Presider: Jian Xu, East China Normal University, China	
10:30-11:00	Polarization and chiral metasurface devices based on symmetry-breaking engineering (Invited) Zi-Lan Deng Jinan University, China
11:00-11:30	Two-Photon Lithography via Metasurface (Invited) Hui Gao Huazhong University of Science and Technology, China
11:30-11:45	Inverse Design of Metasurfaces for Laplace Differentiators (Oral) Haogen Yuan Beijing University of Posts and Telecommunications, China
11:45-12:00	Ice Lithography Using Dicobalt Octacarbonyl on Silicon, Filter Paper, and Living Tardigrades (Oral) Zhirong Yang Westlake University, China

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Conference Room 103B, 1F	
November 3, 2026	
Presider: Shikai Deng, Shanghai Institute of Microsystem and Information Technology, China	
13:30-13:45	Multiscale Insights into Ultrafast Laser-Induced Dynamics through Coupled Two-Temperature Model and Molecular Dynamics (Oral) Prem Dheeraj Mortha Indian Institute of Technology Bombay, India
13:45-14:00	A SAM2-Based Model for Automatic Segmentation and Characterization of Quantum Dots (Oral) Yuerui Wu Beijing University of Posts and Telecommunications, China
14:00-14:15	Spectrally Tunable Electromagnetically Induced Transparency Resonances in All-dielectric Metasurfaces (Oral) Feng Liu Westlake University, China