

Session Title:	[Mo1F] Low-dimensional Photonics I
Session Date:	August 5 (Mon.), 2024
Session Time:	10:30-12:00
Session Room:	Room F (115)
Session Chairs	TBA

[Mo1F-1] [Invited] 10:30-11:00

Exploring Waveguide Modes in 2D Materials for Integrated Photonics

Myungjae Lee (Seoul Nat'l Univ., Korea)

[Mo1F-2] 11:00-11:15

Advancing Photodetection with Enhanced Sensitivity, Spectral and Polarization Selectivity in Two-Dimensional Semiconductors

Lavrov S.D., Guskov A.A., and Stepanov M.A. (MIREA - Russian Technological Univ., Russia)

[Mo1F-3] 11:15-11:30

Second-order Nonlinear Optics in Ultrahigh-Q Silica Microcavities Decorated by Two-Dimensional Materials

Shun Fujii (Keio Univ., Japan), Nan Fang (RIKEN Cluster for Pioneering Research, Japan), Daiki Yamashita, Daichi Kozawa (RIKEN Center for Advanced Photonics, Japan), Chee Fai Fong (RIKEN Cluster for Pioneering Research, Japan), and Yuichiro K. Kato (RIKEN Center for Advanced Photonics, Japan)

[Mo1F-4] 11:30-11:45

Pyrolysis and Etching Roles in Silicon Quantum Dot Photoluminescence

Yizhou He, Qianxi Hao, Chi Zhang, Qi Wang, Wenxin Zeng, Xiaowei Guo (Univ. of Electronic Science and Tech. of China, China), Xue Yang (China Nat'l Tobacco Corp., China), and Sergei K. Lazarouk (Belarusian State Univ. of Informatics and Radioelectronics, Belarusian State Univ. of Informatics and Radioelectronics, Belarus)

[Mo1F-5] 11:45-12:00

Investigating Critical Librational/Rotational Transitions of Optically-Levitated Nanoparticles

Chaoxiong He, Jinchuan Wang, Ying Dong, Shaochong Zhu, Qianwen Ying (Zhejiang Lab, China), Yuanyuan Ma (Nanjing Univ., China), Fu Feng (Zhejiang Lab, China), Zhangqi Yin (Beijing Inst. of Tech., China), Cuihong Li (Zhejiang Lab, China), and Huizhu Hu (Zhejiang Univ., China)



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