

Session Title:	52. Metasurfaces & LC Photonics
Session Date:	August 22 (Fri.), 2025
Session Time:	11:00-12:20
Session Room:	Room D (218)
Session Chair(s):	Prof. Wei Hu (Nanjing Univ., China) Prof. Jun-Hee Na (Chungnam Nat'l Univ., Korea)

[D52-1] [Invited]	11:00-11:25
--------------------------	--------------------

Photopatterned Liquid Crystal Superstructures for Soft-Matter Photonics

Ling-Ling Ma, Jin-Tao Pan, Ze-Yu Wang, Li Guo, and Yan-Qing Lu (Nanjing Univ., China)

[D52-2] [Invited]	11:25-11:50
--------------------------	--------------------

Electrically Tunable Polarization Rotation in Ultrathin Twisted-Nematic Liquid Crystals Photonics

Pravinraj Selvaraj, Yi-Xuan Liu, Chi-Tang Huang, Chun-Ting Wu, Shao-Hao Liao, Cheng-Kai Liu, and Ko Ting Cheng (Nat'l Central Univ., Taiwan)

[D52-3]	11:50-12:05
----------------	--------------------

Transmissive Near-Infrared Tunable Metasurface based on Liquid Crystals

Jiayi Wang, Ziwei Zhou, and Jun Xia (Southeast Univ., China)

[D52-4]	12:05-12:20
----------------	--------------------

Geometric Phase Wavefronts Replication via Polarized Self-Interference Utilizing Quarter Waveplate Pattern Mask

Min-Seok Kim, Jin-Hyeok Seo, Young-Min Cho, Hyeon-Su Jeong, Jae-Won Lee, Hafiz Saad Khaliq, and Hak-Rin Kim (Kyungpook Nat'l Univ., Korea)