

Session Title:	[Fr2F] Light Manipulation II
Session Date:	August 9 (Fri.), 2024
Session Time:	10:45-12:15
Session Room:	Room F (115)
Session Chair(s)	Prof. Kyung-Ho Kim (Chungbuk Nat'l Univ., Korea)

[Fr2F-1] [Invited] 10:45-11:15

Tailoring Non-Hermitian States of Light in Photonic Crystals by Symmetry Breaking: Flatband, Exceptional Points, and Bound States in the Continuum

Paul Bouteyre, Ngoc Duc Le, Raphael Mermet-Lyauoz, Florian Dubois, Ali Kheir-Aldine, Sébastien Cuffe, Lydie Ferrier, Lotfi Berguiga, Christian Seassal, Xavier Letartre, Pierre Viktorovitch, Taha Benyattou, Hai Son Nguyen (Institut des Nanotechnologies de Lyon, France)

[Fr2F-2] 11:15-11:30

Measurement of Synthetic-Dimension Band Structures in Silicon Coupled Ring Resonators

Ruming Zhang (The Univ. of Tokyo, Japan), Liucun Li, Mikiya Kamata, Toshihiko Baba (Yokohama Nat'l Univ., Japan), Tomoki Ozawa (Tohoku Univ., Japan), Yasutomo Ota (Keio Univ., Japan), and Satoshi Iwamoto (The Univ. of Tokyo, Japan)

[Fr2F-3] 11:30-11:45

The Interaction of Electric and Magnetic Mie Modes in All-dielectric Metasurface with Anisotropic Lattice

Muhammad Sujak and Kyoung-Ho Kim (Chungbuk Nat'l Univ., Korea)

[Fr2F-4] 11:45-12:00

Embedding Diamond Pillars in Optical Fibers: A Numerical Approach to Optimize the Collection of NV<sup>-</sup>emission

Wen Qi Zhang, S. Baghapour (Univ. of South Australia, Australia), M. Capell, S. Li, B. C. Johnson, A. Greentree, P. Reineck (RMIT Univ., Australia), D. A. Simpson (The Univ. of Melbourne, Australia), H. Ebendroff-Heidepriem (The Univ. of Adelaide, Australia), B. C. Gibson (RMIT Univ., Australia), and S. Afshar Vahid (Univ. of South Australia, Australia)

[Fr2F-5] 12:00-12:15

Three-Dimensional Photonic Crystal Phosphors for Highly Efficient Color Conversion



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Taehun Kim, Dongwon Kang, and Kyungtaek Min (Tech Univ. of Korea, Korea)