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| Session Title: | [Th2B] Nonlinear Phenomena and Applications I |
| Session Date: | August 8 (Thu.), 2024 |
| Session Time: | 16:00-17:00 |
| Session Room: | Room B (104-106) |
| Session Chair(s) | Prof. Young-Mi Bahk (Incheon Nat'l Univ., Korea) |

[Th2B-1] 16:00-16:15

Efficient Third Harmonic Generation in Frequency Tripling Mirrors

David Zuber (Leibniz Univ. Hannover, Germany), Sebastian Balendat, Holger Badorreck, Marco Jupe (Laser Zentrum Hannover e.V., Germany), Detlev Ristau, and Uwe Morgner (Leibniz Univ. Hannover, Germany)

[Th2B-2] 16:15-16:30

Resonance Shrinkage in Time-Varying Metasurfaces

A. Chernyak, A. Musorin (Lomonosov Moscow State Univ., Russia), A. Tognazzi, P. Franceschini, C. De Angelis (Nat'l Inst. of Optics – Nat'l Research Council (INO-CNR), Italy), and A. Fedyanin (Lomonosov Moscow State Univ., Russia)

[Th2B-3] 16:30-16:45

Efficient High Order Mode Supercontinuum Generation via Shortcut to Adiabaticity Coupling in Communication Band

Guan-Hong Li, Feng-Jung Kao, Zi-De Xie (Nat'l Sun Yat-sen Univ., Taiwan), Min-Hsiung Shih, Hao-Chung Kuo (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Shuo-Yen Tseng (Nat'l Cheng Kung Univ., Taiwan), Yi-Jen Chiu, and Chao-Kuei Lee (Nat'l Sun Yat-sen Univ., Taiwan)

[Th2B-4] 16:45-17:00

Enhanced Supercontinuum Generation in a Cascaded Lithium Niobate Waveguide

Jiajia Zhao, Feng Ye, You Wu, and Qian Li (Peking Univ., China)