

Session Title:	[Fr1E] Optical Sensor
Session Date:	August 9 (Fri.), 2024
Session Time:	09:00-10:00
Session Room:	Room E (114)
Session Chair(s)	Dr. Jonghan Jin (KRISS, Korea), Dr. Kwanil Lee (KIST, Korea)

[Fr1E-1] 09:00-09:15

Coherent Extreme-ultraviolet Spatial Manipulation in Solid Harmonic Generation via Dynamic Wavefront Modulation of Near-infrared Driving Beams

Seungjai Won, Taewon Kim, Seungman Choi, Byunggi Kim, Jungyoon Kim, Seung-Woo Kim, and Young-Jin Kim (KAIST, Korea)

[Fr1E-2] 09:15-09:30

Distributed Thermal Monitoring of Lithium Polymer Battery with Fiber Optic Sensor

Wookjin Jeong, Gyu-Tae Kim (Korea Univ., Korea), and Kwanil Lee (KIST, Korea)

[Fr1E-3] 09:30-09:45

All-optical Rydberg-atom Superheterodyne Microwave and THz Sensor

Sebastian Borówka, Wiktor Krokosz, Mateusz Mazelanik, Wojciech Wasilewski, and Michał Parniak (Univ. of Warsaw, Poland)

[Fr1E-4] 09:45-10:00

Cavity-enhanced Spectroscopy of H₂ in a Deep Cryogenic Regime

K. Stankiewicz, M. Makowski, M. Slowinski, K. L. Soltys, B. Bednarski, H. Jozwiak, N. Stolarczyk, S. Wojtewicz, A. Cygan, G. Kowzan, P. Masłowski, M. Piwinski, D. Lisak, and P. Wcislo (Nicolaus Copernicus Univ. in Torun, Poland)