



April 24-28, 2017 / Maison Glad Hotel, Jeju, Korea

Convention Hall (1F)

Session Title: [PDP Session] PDP Session
Date and Time: April 28, 2017 (Friday), 10:00-11:00
Session Chairs: Luc Thevenaz (EPFL Swiss Federal Institute of Technology, Switzerland)
Gilberto Brambilla (University of Southampton, UK)

[PDP1-1] 10:00-10:15 (Paper No. 10323-593)

Enhancement of Measurement Function in Brillouin Optical Correlation Domain Reflectometry with Combining Four Performance Improvement Schemes

Ryu Shmizu, Masato Kishi, and Kazuo Hotate

The University of Tokyo, Japan

[PDP1-2] 10:15-10:30 (Paper No. 10323-603)

Brillouin Standing Wave Reflectometry (BSWR): A Novel Approach for High Sensitivity, Fast and Distributed Strain Sensing in Optical Fibers

A. Bergman¹ and M. Tur²

¹Bar Ilan University, Israel, ²Tel-Aviv University, Israel

[PDP1-3] 10:30-10:45 (Paper No. 10323-601)

Kilometer Length, Low Loss Enhanced Back Scattering Fiber for Distributed Sensing

Paul S. Westbrook¹, Kenneth S. Feder¹, Roy. M. Ortiz¹, Tristan Kremp¹, Eric. M. Monberg¹, Hongchao Wu¹, Debra A. Simoff², Scott Shenk²

¹OFS Labs, USA, ²OFS, USA

[PDP1-4] 10:45-11:00 (Paper No. 10323-590)

Fiber Interrogated and Graphene Enhanced Brillouin Optomechanical Microresonator for Ultra-Sensitive Gas Detection

B. Yao^{1,2}, C. Yu¹, Y. Wu¹, S. Huang², H. Wu¹, Y. Gong¹, Y. Chen¹, and Y. Rao¹

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