



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

Convention Hall (1F)

Session Title: [WII] Structural Health Monitoring Using OFS for Civil and Construction Engineering

Date and Time: April 24, 2017 (Monday), 14:50-16:10

Session Chair: Il-Bum Kwon (Korea Research Institute of Standards and Science, Korea)

[WII-1] 14:50-15:10

Impact Detection, Localization, and Characterization in Composite Laminates with Embedded Fiber Bragg Gratings

Mike Yeager¹, Chris Key², William Gregory², and Michael Todd¹

¹University of California San Diego, USA, ²Applied Physical Sciences Corporation, USA

[WII-2] 15:10-15:30

Safety Monitoring on GeoTechnical and Civil Infrastructure, Using Distributed Optical Fiber Sensor

Sanghoon Chin

OMNISENS SA, Switzerland

[WII-3] 15:30-15:50

Optical Fibre Sensors for Monitoring Applications of Mine Safety and Integrity of Oil and Gas Storage Tanks and Pipelines

T. Liu, J. Wang, B. Hu, Y. Wei, Y. Li, and G. Song

Shandong Academy of Science, China

[WII-4] 15:50-16:10

Distributed 3D Deformation Monitoring of Tunnels: From Theory to Engineering

Kinzo Kishida

Neubrex Co. Ltd., Japan