

Session Title: [Th-VII] Biomedical and Environmental Sensing
Date and Time: April 27, 2017 (Thursday), 09:15-10:30
Session Chair: Chang-Seok Kim (Pusan National University, Korea)

[Th-VII1] 09:15-09:40 (Paper No. 10323-569)

[Invited] Photonic Sensors: from Horse Racing to Horse Power

Cicero Martelli¹, Jean Carlos Cardozo da Silva¹, Daniel Pipa¹, Marco José da Silva¹, Carlos R. Zamarréño², John Canning³, Pedro E. Schaphauser¹, Guilherme Dutra¹, Rafael Daciuk¹, José R. Galvão¹, Felipe Mezzadri¹, Andre B. Renzo¹, Uilian Dreyer¹, Guilherm

¹Federal University of Technology - Parana, Curitiba, ²Public University of Navarra, Spain, ³University of Technology Sydney, Australia

[Th-VII2] 09:40-10:05 (Paper No. 10323-578)

[Invited] Lensless Digital Holographic Microscope Based on A Planer Lightwave Circuit

Eriko Watanabe

The University of Electro-Communications, Japan

[Th-VII3] 10:05-10:17 (Paper No. 10323-70)

A Portable Device for Cancer Margin Assessment Using a pH Sensitive Optical Fibre Probe

Erik P. Schartner, Matthew R. Henderson, Malcolm Purdey, Tanya M. Monro, P. Grantley Gill, and David F. Callen

The University of Adelaide, Australia

[Th-VII4] 10:17-10:29 (Paper No. 10323-179)

Biomolecular Detection with an Interferometric Microfiber-Capillary Optofluidic Sensor

Lili Liang, Long Jin, and Bai-Ou Guan

Jinan University, China