

Session Title: [Fr-XI] Sensor Applications and Field Tests

Date and Time: April 28, 2017 (Friday), 08:30-09:35

Session Chairs: Yoonchan Jeong (Seoul National University, Korea)
Gabriele Bolognini (IMM Institute, Italy)

[Fr-XI1] 08:30-08:55 (Paper No. 10323-575)

[Invited] Optical Fibre Sensing: A Solution for Industry

T Sun¹, M Fabian¹, Y Chen¹, M Vidakovic¹, S Javdani¹, K T V Grattan¹, J Carlton¹, C Gerada², and L Brun³

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[Fr-XI2] 08:55-09:07 (Paper No. 10323-198)

Multi-Parameter Monitoring of Electrical Machines Using Integrated Fibre Bragg Gratings

Matthias Fabian¹, David Hind², Chris Gerada², Tong Sun¹, and Kenneth T. V. Grattan¹

¹City University of London, UK, ²University of Nottingham, UK

[Fr-XI3] 09:07-09:19 (Paper No. 10323-83)

Improved Reference System for High Precision Blade Tip Timing on Axial Compressors

R. Reinhardt¹, D. Lancelle¹, O. Hagedorf², M. Schultalbers¹, O. Magnor¹, and P. Duenow²

¹IAV GmbH, Germany, ²Hochschule Wismar, Germany

[Fr-XI4] 09:19-09:31 (Paper No. 10323-85)

Towards Detection of Pipeline Integrity Threats Using a Smart Fiber-Optic Surveillance System: PIT-STOP Project Blind Field Test Results

J. Tejedor¹, J. Macias-Guarasa², H. F. Martins¹, D. Piote¹, J. Pastor-Graells², S. Martin-Lopez², P. Corredera³, G. De Pauw⁴, F. De Smet⁴, W. Postvoll⁵, C. H. Ahlen⁶, and M. Gonzalez-Herraez²

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