

Optics and Photonics Group Lunchtime Seminar

“Fibre optic sensing - from civil and aerospace engineering to healthcare applications”

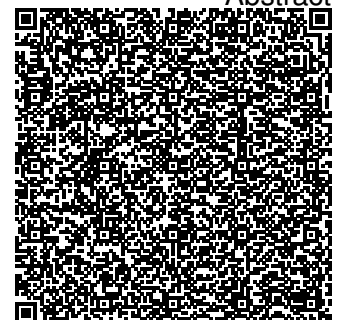
Ricardo Correia



12:00pm Thursday 15th June 2017
203 Tower Building
All Welcome

http://optics.nottingham.ac.uk/wiki/Talks_2017

Abstract



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Fibre optic sensors, more precisely fibre Bragg grating based sensors are a good candidate to replace conventional electrical sensors in a range of applications. Their inherent biocompatibility, immunity to electromagnetic interference, multiplexing capabilities, small size and lightweight are among a range of characteristics that over the years have led to increasing acceptance across a range of industrial sectors. From temperature measurement, to strain and pressure sensing, this talk will discuss examples of applied fibre optic technology in Civil and Aerospace Engineering which draws upon work performed during my postdoctoral at Cranfield University and finally will present some of the work being performed at the University of Nottingham for healthcare applications.