

Personal Biography

Elfed Lewis graduated with BEng (Hons) in Electrical and Electronic Engineering from Liverpool University in 1978 and was awarded his PhD from the same institution in 1987. In 1996 he joined University of Limerick at which time he formed the Optical Fibre Sensors Research Centre. He is currently Associate Professor and Director of the Optical Fibre Sensors Research Centre, University of Limerick which he founded in 1996. He is Fellow of Institute of Physics, IET and Senior member IEEE. He has authored and co authored more than 100 journal papers and made in excess of 250 contributions to international conferences.

The Optical Fibre Sensors Research Centre under the leadership of Professor Lewis is engaged in investigating sensors for biomedical and medical applications, environmental monitoring (e.g. water quality, vehicle exhaust emissions,), food quality assessment and parameters of high power microwave sources (e.g. Electric Field, Electron Beam proximity) and medical devices. In 2005 he was recipient of the University of Limerick Special Achievement in Research Award and was a Fulbright Scholar with CREOL (University of Central Florida) in 2008.

He was elected Distinguished Lecturer for IEEE Sensors Council for the period July 2013-June 2015 and as member at large for the Sensors Council (2012-13). He was European TPC chair for the IEEE sensors conference 2009 (New Zealand) and General Chair for the 2011 event in Limerick. The latter was deemed to be a highly successful event according to subsequent review and analysis. Experience gained in general research leadership and specific roles with the Sensors Council will ensure that the applicant (Professor Lewis) will bring continuity to the role of Vice President Conferences which has overseen the successful development of our Flagship Conference (IEEE Sensors) since the inaugural event of 2002. In addition to this the applicant will drive this and other emerging conferences forward in line with the strategic goals of the IEEE and ensure that the Sensors Council is proactive in forging successful links with new and existing conferences and technical activities.

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