

**EXTERNAL ASSOCIATE****UNITED KINGDOM****NAME AND SURNAME:**

Christopher James

AFFILIATION:

Professor of Biomedical Engineering at School of Engineering, University of Warwick

AREA OF EXPERTISE:

Neural Engineering

RESEARCHER ID: (ORCID)**SHORT BIOGRAPHY**

Christopher James was born in Malta, received the B.Elec.Eng. (Hons) degree in from the University of Malta (1992) and a Ph.D from the University of Canterbury, New Zealand (1997). He was a postdoctoral research fellow at the EEG department of the Montreal Neurological Institute, of McGill University, Montreal, Canada (1997-1998), and a postdoctoral research fellow (1998-2001), and then Lecturer (2001-2003) with the Neural Computing Research Group of Aston University, Birmingham, UK. From 2004-2010 he was a Reader in Biomedical Signal Processing at the University of Southampton, UK. He was a chair in Healthcare Technology at the University of Warwick, UK and Director of the Institute of Digital Healthcare, before joining

the School of Engineering in November 2013 as Director of Warwick Engineering in Biomedicine.

He works specifically in Neural Engineering, to date his work has concentrated on the development of advanced processing techniques applied to the analysis of the electromagnetic activity of the human brain, primarily in Brain-Computer Interfacing. He is particularly interested in developing low cost, useable BCI interfaces for establishing communication in extreme BCI conditions such as locked-in syndrome.

Professor James is currently Chair of the Institute of Electrical and Electronic Engineers (IEEE) UK & Republic of Ireland (UKRI) Section (~11,000 members), Chair of the IEEE UKRI Engineering in Medicine & Biology Society (EMBS) Chapter, and a member of the IEEE EMBS Administrative Committee as Europe Representative. He represents the Institution of Engineering and Technology (IET) on the Royal Academy of Engineering's UK Biomedical Engineering focus committee. Professor James is Editor-in-Chief of IET Healthcare Technology Letters, and was Series Editor for the Biomedical Signals and Systems book series of Artech House Publishers; Editor in Chief of the Open Medical Informatics Journal, Associate Editor for IEEE Transactions on Biomedical Engineering.

Prof James has published over 160 papers in neural engineering in varied biomedical engineering journals and refereed conferences. He sits on the editorial advisory board of the IEEE Spectrum Magazine and IEEE Open Access Journal. He is Associate Editor of the IEEE EMBS Conference Editorial Board (Neural Engineering Theme) and he has been actively involved in many IEEE EMBS committees - mainly on student activities. He has instigated and organises the PGBIOMED series of biomedical engineering student conferences which have taken place from 2003 to date.

In 2013 Prof James was awarded the prestigious Sir Monty Finniston Achievement Medal by the IET.