



## Eric McAdams

Professor Eric McAdams obtained his PhD at the University of Leeds on "A Study of Electrode-Tissue Impedances Encountered in Cardiac Pacing". He then worked as a Medical Physicist at Guys Hospital, London. Since 1986 he has been the Head of the Medical Electrodes Group at NIBEC, University of Ulster. In 2001 he Co-Founded Sensor Technology and Devices Ltd, a successful spin-out Company which researches, designs, develops and manufactures innovative and effective devices in such pioneering areas as wireless Vital Signs Monitoring. <http://www.stnd.com/>

Professor McAdams is a specialist in the study and modelling of the linear and non-linear electrical properties of materials and interfaces. He has published widely on these topics and has numerous patents. He is presently working on novel transduction mechanisms for miniaturised, 'point-of-care' sensors – including Electrical Impedance Spectroscopy, Electrochemical Noise, and Non-Linear Dielectric Spectroscopy. A patented impedimetric wound dressing is presently being developed for wound assessment and, eventually, accelerated wound healing.

Based on the fundamental aspects of his research, he has successfully designed, developed, patented and commercialised a wide range of Biomedical Sensors and Electrodes.