Prof. William Scanlon

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Professor William Scanlon is Chair of Wireless Communications and Head of School of Electronics, Electrical Engineering and Computer Science at Queen's University, Belfast, UK. Professor Scanlon's research expertise is mainly in antennas and wave propagation with some work extending through the link and network layers. He is a global pioneer in the area of wearable and medical device communications, particularly in relation to implantable solutions, having worked and published in this area for more than 20 years. However, he is also more broadly interested in wireless solutions for challenging applications that demand efficiency, performance and reliability. Applications of interest range from biomedical sensing, mobile (cellular) networks, wireless body area networks, wireless sensing systems, wireless networked control, RFID, secure and covert communications, localisation to connected health, spanning VHF to mm-wave frequencies.

Professor Scanlon received his Ph.D. degree in 1997 and he was appointed as Lecturer at Ulster University in 1998, Senior Lecturer and Full Professor at Queen's University of Belfast (UK) in 2002 and 2008, respectively. He alsoheld a part-time Chair in Short Range Radio at the University of Twente, The Netherlands from 2009 to 2014. Prior to starting his academic career he had 10 years of industrial experience, having worked as a Senior RF Engineer for Nortel Networks, as a Project Engineer with Siemens and as a Lighting Engineer with GEC-Osram. He has served as keynote speaker for the IEEE Intl. Microwave Workshop Series on RF and Wireless Technologies for Biomedical and Healthcare Applications (2014), the NATO Military Communications and Information Systems Conf.(2010), theIntl. Conf. on Bodynets (2010 and 2018) and the European Workshop on Conformal Antennas (2007).He has been a Series Editor of the IET Book Series on Telecommunications and Networking, he was an inaugural Associate Editor of the IEEE Journal of Translational Engineering in Health and Medicine and he is an Associate Editor for IEEE Antennas and Wireless Propagation Letters. Prof. Scanlon received a Young Scientist award from URSI in 1999, he was a recipient of the 2010 IEEE H. A. Wheeler Prize Paper Awardfor IEEE Trans. Antennas and Propagation and he delivered the 2012 NATO International Lecture Series on Next Generation Communications.