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Biography

Bayan Sharif is Professor of Digital Communications and Head of the School of Electrical, Electronic and Computer Engineering. He received the bachelor and doctorate degrees from Queen's University of Belfast and Ulster University, N. Ireland, in 1984 and 1988, respectively. He then held a research fellowship at Queen's University of Belfast, where he worked on parallel programming algorithms for two-dimensional signal-processing applications. He was appointed as Lecturer at Newcastle University in 1990, and then as Senior Lecturer and Professor in Digital Communications in 1999 and 2000, respectively. He has also held visiting academic positions with Colorado State University (USA) and the Emirates Telecommunication Corporation (Etisalat, UAE).

Within Newcastle University, Prof. Sharif served as Head of the Communications and Signal Processing (CSP) Research Group, Director of Business Development, Leader of the EPSRC-CTA theme in Advanced Computing and Communications Technology, and Director of the MSc Degree Programmes in Communications and Signal Processing (CSP) and Mobile and Pervasive Computing (MPC).

As Head of CSP research, Prof. Sharif has led the Group to gain recognition as one of the top UK groups within the subject area. He is internationally recognised for his research in underwater communications, and has been instrumental in setting up research in Mobile Communications.

Prof. Sharif's research interests are in digital communications with a focus on DSP algorithms for receiver structures and optimisation of wireless networks. He has published over 250 journal and conference papers, presented several tutorials and invited talks in acoustic and radio networks. He has also held UK, EU, Industrial and RDA research grants in digital communications, underwater acoustics and signal processing worth over £5M. He is a Chartered Engineer and Fellow of the IEE.