

MANCHESTER
1824

The University
of Manchester



IEEE

United Kingdom and Republic of Ireland Section.

The United Kingdom and Republic of Ireland Section of the IEEE will meet at UMIST in Manchester on **Wednesday 20th October, 2004**. The UKRI Committee invites IEEE Members and Guests to join it for the evening lecture and to raise any questions that you may have concerning IEEE membership.

All Members and Guests are Welcome. There is no charge.

Lecture at 18:00 hrs. Date: Wednesday 20th October, 2004

UKRI Secretary: Seán McLoone - s.mcloone@ieee.org

Abstract:

A new communications revolution is currently underway, namely the access revolution. It is characterised by broadband access to the internet, always on connectivity and the deployment of wireless communications methods.

This talk will look at the technology that has led to this revolution and outline the impact of developments in microprocessor technology and internet technology as enabling foundations. The need for standards and their emergence will be described. The level of service that competing standards will enable along with the development of a combined standard will be outlined.

Examples will be given of the types of interaction that are enabled by wireless devices (e.g. person to machine, machine to machine, etc). The services that are emerging in these areas will be described along with their revenue earning potential.

The talk will conclude with a look at some possible uses of pervasive network technologies.

The talk is a personal view, although examples from different companies, universities and research teams will be highlighted.

Dr. William Millar:

William Millar joined BT in 1986 from the Queen's University of Belfast. He has worked in research, developing speech and speaker recognition algorithms. He went on to downstream these technologies to network deployed platforms for the company and then moved to be product engineering manager for BT's first web hosting platforms and after that BT's on-line multi-player games platform. He has been in the Global Solutions division in the company for the past seven years and has led teams who have developed packaged intranet solutions and mobility solutions for enterprise customers. Recently he has joined the CTO Office of the BT-HP Alliance and is now responsible for developing technology roadmaps and a collaborative research programme between the two organisations.

Venue: Room C53

Main Building: UMIST



Travel Options:

<http://www.umist.ac.uk/visitors/travel/default.htm>

WIRELESS ACCESS - AN EMERGING REVOLUTION