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ROOM B-205

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SPEAKER: Peter M Grant, Regius Professor of Engineering,
University of Edinburgh.

DATE: Thursday, April 23rd

TIME: 3:30 pm *Doubleheader*

TITLE: Green Radio - Towards Sustainable Wireless Networks

ABSTRACT: This presentation will define the power drain issues in current cellular systems operation, particularly in base-station or access point designs and indicate the typical approaches that are being deployed to alleviate the high power drain to achieve green radio system design credentials with significantly reduced CO2 emissions. Following this general introduction the talk will explain operation of the Mobile VCE, an industry-UK government funded research programme delivered from 10 UK Universities which is now in its 13 year of operation. In particular this talk will concentrate on the Core 5 green radio research programme for the design of advanced cellular system architectures and techniques which aim to achieve green radio system industrial deployment by 2010. This research is being conducted in 4 UK Universities in collaboration with 11 international industrial sponsor and programme monitoring companies.

BIO: Prof Peter Grant has been on staff at Edinburgh since 1971 and was appointed as the first head to form and integrate the School of Engineering at University of Edinburgh, leading it from 2002 - 2008. Before that he served as Head of Electronics from 1999 - 2002. He holds three "doctorates", a PhD from the University of Edinburgh in 1975, an honorary DEng (Doctor of Engineering) from the Heriot-Watt University in Edinburgh in 2006 and another honorary DEng from Napier University, Edinburgh in 2007. He holds five Fellowships from: IEEE, IEE/IET, Royal Academy of Engineering, Royal Society of Edinburgh and he was elected one of the first four fellows of the European Association for Speech, Signal and Image Processing (EURASIP), having previously served there as President 2000-2002. He was also awarded in 2004 the 82nd IEE Faraday Medal. Professor Grant was in 2007 appointed to be the 8th Regius Professor of Engineering at The University of Edinburgh. "Regius" i.e. regal chair appointments are conferred by the Queen of Great Britain.

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