



## Seminar Notice

Date: 17th June, 2014 Tuesday, 12:00 -1:00pm

Room: Room G3, Electrical Engineering Building G17

Map:

[http://www.facilities.unsw.edu.au/sites/all/files/page\\_file\\_attachment/KensingtonCampus.pdf](http://www.facilities.unsw.edu.au/sites/all/files/page_file_attachment/KensingtonCampus.pdf)

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### **Prof. John Thompson,**

holds a chair in signal processing at the University of Edinburgh, will be visiting UNSW on the **17th of June**. He is also an IEEE Communications society distinguished lecturer for 2012-214.

Prof. Thompson will be giving a talk in G3 on Green Radio (details below) on 17 June at 12pm. All are welcome.

#### **Overview of Green Wireless Communications Research at Edinburgh**

The Recent Green Radio Research Programme in the UK was a major collaboration between academic and industrial researchers. The main aim of the project was to try to reduce the carbon footprint of mobile wireless networks. Recent work has shown that mobile base stations account for a significant portion of the energy consumed in such networks. Therefore the programme focussed on designing more efficient base station designs as well as new concepts to reduce energy in networks as a whole. This talk will give an overview of the research and some of the key findings as well as describing future directions, specifically relating to a new project in the area of smart grid technology.

#### **Biography of Prof. John Thompson**

John S. Thompson currently holds a personal chair in Signal Processing and Communications at the School of Engineering in the University of Edinburgh. His research interests currently include signal processing, energy efficient communications systems, and multihop wireless communications. He was deputy academic coordinator for the recent Mobile Virtual Centre of Excellence Green Radio project, which involved collaboration between five UK universities and a dozen international companies. During 2012-2014 he is serving as member-at-large for the Board of Governors of the IEEE Communications Society (Comsoc). He is also a distinguished lecturer for Comsoc in 2014-2015. He was technical programme co-chair for the IEEE Vehicular Technology Conference Spring in Dresden in 2013.