The IEEE Ottawa Section, IEEE Ottawa Joint Chapter of Communications Society, Consumer Electronics Society, and Broadcast Technology Society (ComSoc/CESoc/BTS), IEEE Ottawa Photonics Society (IPS), IEEE Ottawa Computers Society (CS), IEEE Ottawa Microwaves/Antennas/Propagation Society (AP/MTT), IEEE Ottawa Joint Chapter of Signal Processing, Oceanic Engineering, and Geoscience and Remote Sensing (SP/OE/GRS), IEEE Ottawa Reliability Society & Power Electronics Society Joint Ottawa Chapter (R/PEL) and Algonquin College Student Branch in conjunction with School of Advanced Technology, Algonquin College are inviting all interested IEEE members and other engineers, technologists, and students to

ComSoc Distinguished Lecture on

Overview of Green Wireless Communications Research at Edinburgh
by
Prof. John S. Thompson
Personal Chair in Signal Processing and Communications, the School of Engineering in the University of Edinburgh

DATE: Wednesday April 30, 2014.
TIME: Refreshments, Registration and Networking: 06:00 p.m.; Seminar: 06:30 p.m. - 07:30 p.m.
PLACE: Algonquin College, 1385 Woodroffe Ave., School of Advanced Technology, Building-T, Room T129
PARKING: No fee after 5:00 p.m. at the Visitors’ Parking Lots 8 & 9. Please respect restricted areas.
ADMISSION: Free. Registration required. To ensure a seat, please register by e-mail contacting: Wahab Almuhtadi almuhtadi@ieee.org.
MORE INFO: Ottawa ComSoc/BTS/CESoc Chapter website

Abstract
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.

Bio
Prof. 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.