Space Engineering Research
at the
Australian Centre for Space Engineering Research

Joint Electrical Institutions Sydney - Engineers Australia, IEEE, IET

Public Lecture

Date: Thursday, May 8th
Time: *** 6.00 pm for 6:30 pm start *** Note the later start for this lecture only
Venue: Engineers Australia Auditorium,
        Ground Floor, 8 Thomas Street, Chatswood
Speaker: Prof Andrew Dempster
        The University of New South Wales_UNSW Australia
Further Information: Trevor Blackburn - t.blackburn@unsw.edu.au
RSVP: https://engineersaustralia.wufoo.com/forms/joint-electrical-seminar-8-may-2014/

ABSTRACT:
The Australian Centre for Space Engineering Research (ACSER) was founded in 2010 at UNSW. This talk will cover the major projects that the Centre has managed under the Australian Space Research Program, and current ongoing research work. The Garada project developed a phase 0 SAR satellite for monitoring soil moisture, two space-ready satellite navigation receivers, and GPS-based remote sensing. The Warrawal project developed a new Masters in Satellite Systems Engineering and made "Bluesat" ready for launch in 2014.
Current projects include the QB50 cubesat, which has four ACSER experiments on board, the Biarri project, which will fly ACSER GPS receivers, and the GEM-X experiment that will run on the International Space Station.

SPEAKER BIOGRAPHY:
Professor Andrew Dempster is Director of the Australian Centre for Space Engineering Research (ACSER) in the School of Electrical Engineering and Telecommunications at the University of New South Wales (UNSW). He has a BE and MEngSc from UNSW and a PhD from the University of Cambridge in efficient circuits for signal processing arithmetic.
He was system engineer and project manager for the first GPS receiver developed in Australia in the late 1980s and has been involved in satellite navigation ever since. His current research interests are in satellite navigation receiver design and signal processing, areas where he has six patents, and new location technologies. He is leading the development of space engineering research at ACSER.