

Space Engineering Research at the Australian Centre for Space Engineering Research



Joint Electrical Institutions Sydney - Engineers Australia, IEEE, IET

Public Lecture

Date:	Thursday, May 8 th
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.



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