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| Title : | (Reminder) Seminar on Recent Progress in Microwave Antennas for Wireless Communications by Dr Trevor S. Bird |
| Body : | |

**Department of Electronic Engineering**
**&**
**State Key Laboratory of Millimeter Waves (Hong Kong)**
**&**
**IEEE AP/MTT HK Joint Chapter**

**Seminar on**

# Recent Progress in Microwave Antennas for Wireless Communications

**By**

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***Date*** ***: 26 September 2011 (Monday)***
***Time*** ***: 03:30 p.m. – 04:30 p.m.***
***Venue*** ***: Room G 6302, 6/F, Green Zone, Academic Building, City University of Hong Kong***

**Abstract**

We are currently in the middle of a wireless revolution. This looks set to continue for a few more years yet. All manner of devices, video, film and voice communications are now available through wireless both over short distances in-doors and also over long distances via satellite. To achieve this adaptability there have been dramatic developments in the basic radio frequency technology from devices through to antennas that need to cater with the increased demands for bandwidth and portability. Many changes have been driven by improvements in systems such as local area networks, wi-fi and satellite but also the desire to better utilise the available frequency spectrum as well as to improve performance and services.

This talk will review some recent developments in antennas that the speaker has been associated with. Advances that have made these developments possible are discussed as are some improvements that will be needed in the future.

**Biography**

Trevor S. Bird received the B. App. Sc., M. App. Sc. and PhD degrees from the University of Melbourne. He is currently a CSIRO Fellow and Principal of Antengenuity, a specialist consulting firm, an Adjunct Professor at Macquarie University and a Guest Professor of Shanghai Jiao Tong University.

Dr Bird is a Fellow of four learned societies, including the Australian Academy of Technological and Engineering Sciences and IEEE. He has published widely in the areas of antennas especially for wireless and satellite communications while active in commercial exploitation of research (holds 13 patents). He has received 5 best paper awards including the 2001 H.A. Wheeler Applications Prize Paper Award of the IEEE Antennas & Propagation Society. Teams he has led have been recognised for excellence on three occasions including the Society of Satellite Professionals International (New York) in 2004. Dr Bird has been the recipient on three occasions of CSIRO medals for research excellence. He received an Australian Centenary Medal in 2003 for service to Australian society in telecommunications and also that year was named Professional Engineer of the Year by the Sydney Division of Engineers, Australia.

He was a Distinguished Lecturer for the IEEE Antennas & Propagation Society from 1997 to 1999, Vice-chair and Chair of the NSW IEEE Section in 1999 to 2000 and 2001 to 2002 respectively, Associate Editor of the IEEE Transactions on Antennas & Propagation from 2001 to 2004, Editor-in-Chief of these Transactions from 2004 to 2010. Currently, he is member of the Editorial Boards of IEEE Transactions on Microwave Theory & Techniques, Journal of Infrared, Millimeter and Terahertz Waves and IET Microwaves, Antennas & Propagation as well as Chair of the IEEE Antennas & Propagation Society's Publication Committee. His biography has since 2006 been listed in Who's Who in Australia.

****** ALL ARE WELCOME ******

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| Venue : | Not Applicable |
| Category : | Academic Seminar |
| Department/Office : | State Key Lab of Mm Waves (SKL) |
| Event Start Date : | 2011-09-26 |
| Event End Date : | 2011-09-26 |
| Attachment : | |