

International Director Report – UK and Ireland

Chapter Chair (joint with GRS): Yong Xue

1. AES Distinguished Lecture ‘Foliage Penetration Radar’ by Dr Mark Davis, 20 July 2015



2. A new type of event: ‘Vectors in Radar Technology’, 11/12 November 2015, University College London

The purpose of this two-day workshop is to present predictions of where radar technology is going, what are the key directions or “vectors” for radar and what their impact will be. The event is supported by the US Office of Naval Research (Global) and the Air Force Office of Scientific Research International Office, and is by invitation only.

Conventional radar conferences are inherently retrospective; the papers focus on research that has been performed or the systems that have been developed. *Vectors in Radar Technology* will be a platform for leading radar technologists from academia, government, and industry to indulge in blue-sky predictions about the future of radar, to effectively extrapolate the state of technology. We anticipate that this will be a very interactive workshop; the presenters will be challenged and will have to defend their predictions. The participants will report and discuss current ‘hot topics’ in radar and decide the way forward for each. We plan to include a poster session.

We anticipate papers in the following topical areas; however, we will be open to any other innovative subject areas as well:

- Waveform Diversity
- Cognitive Radar
- Compressive Sensing
- Bistatics and Networked Radar (incl. MIMO)
- High-res SAR and NCTR
- Micro Doppler
- Bio-inspired processing
- Novel Imaging Techniques
- Multifunction RF Systems