

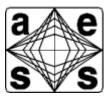
International Activities - UKRI



- International Conference on Waveform Diversity (Pisa, Italy, June 2007)
- Intention to bring this highly-successful series under the wing of AES Radar Systems Panel – to be discussed at next RSP meeting
- Participation in Marina's AFCEA conference on Dual-Use Technologies, Rome, 12-14 September
- Lecture by Paul Gartz, 11 October (cancelled)
- International Conference on Synthetic Aperture Sonar and Synthetic Aperture Radar, Lerici, Italy, 11/12 September 2006. Organised by Institute of Acoustics (UK) in association with AES, financial support from US ONR. Intention to hold another one in 2008



Radar Systems Panel



- Taken the opportunity to recruit more new members, and to encourage some long-serving members to move to 'emeritus' status.
- Revision of IEEE Standard 686 Radar Definitions last updated in 1997. Wide consultation and substantial revision and addition of new terms. Problem with definition of UWB radar and compatibility with IEEE Standard 1672 – now pretty much resolved, and about to move to ballot.
- Two awards for which the Radar Systems Panel is responsible were presented at the Boston Conference:

The 2007 Warren White Award presented to Dr Joe Guerci for his contributions in "robust space-time adaptive processing (STAP) for radar detection and waveform diversity for system optimization".

The 2007 Nathanson Award presented to Dr Mike Picciolo.

• This has been an excellent year for new IEEE Fellows in the field of radar - indicative of the health of the radar domain and of the activity in identifying and proposing new Fellows



IEEE Radar Conferences



- 2004 Philadelphia Audit Finally Submitted to IEEE March 2007, Unaudited Surplus \$98K
- 2005 International Conference Washington DC -- Final Report Submitted, Audit Submitted March 2007
- 2006 Verona NY Final Report and Audit completed, Final Surplus \$104K
- 2006 International Conference Shanghai, China
- 2007 Boston MA 17 20 April 2007
- 2007 International Conference Edinburgh UK (IET)
- 2008 Rome Italy 26 29 May 2008 <u>www.radarcon2008.org</u>
- 2008 International Conference Adelaide Australia, 2 5 September
- 2009 Pasadena CA,11-15 May 2009, Dr Paul Rosen NASA Jet Propulsion Laboratory
- 2009 International Conference Bordeaux, France
- 2010 International Conference Washington DC, Jim Armitage Chair

AESS BoG meeting, 15/16 October 2007

Hugh Griffiths Chair, Radar Systems Panel



2007 IEEE Radar Conference Key Accomplishments



- Women in Engineering reception, organised by Dr Ellen Ferraro, and including a keynote address by Professor Mildred Dresselhaus (Institute Professor and Professor of Physics and Electrical Engineering at MIT).
- 200 papers of which 115 were oral presentations and 30 student papers.
- Generously sponsored by Lockheed Martin, Northrop Grumman, ESSCO/L3, Selex SI, MIT Lincoln Laboratory, Raytheon and Tyco Electronics, with grants towards the student paper program from the Air Force Office of Scientific Research and the Army Research Office.
- Conference banquet: Four IEEE Fellow Awards (out of 11 made to AES members in 2007) were presented: to Victor Chen, Fulvio Gini, Braham Himed and Paul Antonik.
- IEEE AES Exceptional Service Award was presented to Dr Eli Brookner of Raytheon, by former IEEE President Arthur Winston.
- AES Nathanson Award was made to Dr Mike Picciolo, and the Warren D. White Award was presented to Dr Joe Guerci.
- Banquet speaker was Charles 'Bert' Fowler, who gave a fascinating account entitled 'Luis Alvarez and the Development of Ground Controlled Approach'.

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