

## 2014 Distinguished Lecturers & Tutorials

### Dr. Joe Fabrizio, Vice President – Education

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All AESS Chapters and IEEE Sections are encouraged to take advantage of the AESS Distinguished Lecturer and Tutorial Program for their regular or special meetings. We have selected an outstanding list of speakers who are experts in their fields. The AES Society will pay reasonable speaker's expenses for economy-class travel, lodging and meals. As a general guideline, speaker's expenses involving travel wholly within North America or within the European Union will be covered up to \$1,000. Expenses involving extensive international travel will be covered up to \$2,000. The Society encourages arrangements whereby more than one lecture is presented in a single trip, and costs in such situations will be considered on a case by case basis. The inviting organization is expected to cover 50% of the speaker's expenses. The procedure for obtaining a speaker is as follows: If a Chapter or Section has an interest in inviting one of the speakers, it should first contact the speaker directly in order to obtain his or her agreement to give the lecture on a particular date. After this is accomplished, the Chapter or Section must notify the AESS VP for Education, [joe.fabrizio@dsto.defence.gov.au](mailto:joe.fabrizio@dsto.defence.gov.au). If financial support from the AESS is required for the speaker's expenses, he or she must submit an estimate to the AESS VP for Education before actually incurring any expenses. This estimate must be provided at least 45 days before the planned meeting to provide time for feedback from the VP for Education and for changes if needed. The VP for Education must provide written authorization to proceed.

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**The Challenge of Waveform Diversity – Lecture**  
**Bistatic & Multistatic Radar – Lecture**  
*Hugh D. Griffiths, University College London*  
[h.griffiths@ieee.org](mailto:h.griffiths@ieee.org), +44 20 76793966

**Foliage Penetration Radar – Lecture**  
*Mark E. Davis, Independent Consultant*  
[medavis@ieee.org](mailto:medavis@ieee.org), (315) 896-6373

**Backside Lunar Observatory – Lecture**  
**Evolution of Aircraft Avionics – Lecture**  
**Manned Space Avionics – Lecture**  
**Navigation Systems – Lecture**  
*Myron Kayton, Kayton Engineering Company*  
[m.kayton@ieee.org](mailto:m.kayton@ieee.org) (310) 286-0059

**MIMO Radar: Snake Oil or Good idea? – Lecture**  
**Never Trust a Simulation without a Simple Back-of-the-Envelope Calculation that Explains it – Lecture**  
**Nonlinear Filters with Particle Flow – Lecture**  
**Real World Data Fusion – Lecture**  
**Is there a Royal Road to Robustness – Lecture**  
*Frederick E. Daum, Raytheon Company*  
[Frederick\\_E\\_Daum@raytheon.com](mailto:Frederick_E_Daum@raytheon.com)

**Inertial System and GPS Technology Trends – Lecture**  
**Navigation Sensors and Systems in GNSS Degraded and Denied Environments - Lecture**  
*George T. Schmidt*  
[gtschmidt@alum.mit.edu](mailto:gtschmidt@alum.mit.edu), (781) 863-1637

**National Missile Defense – Lecture**  
*Larry Chasteen, University of Texas – Dallas*  
[Chasteen@utdallas.edu](mailto:Chasteen@utdallas.edu), (972) 234-3170

**Satellite Communication Systems – Lecture**  
*Saj Durrani*  
[s.durrani@ieee.org](mailto:s.durrani@ieee.org), (301) 774-4607

**Antenna Systems for Aerospace Vehicles – Lecture**  
**Global Navigation Satellite System – Lecture**  
*Surendra Pal, ISRO Satellite Center*  
[Pal\\_surendra@hotmail.com](mailto:Pal_surendra@hotmail.com), +91-80-25205275

**Target Tracking and Data Fusion: How to Get the Most out of your Sensors – Lecture**  
*Yaakov Bar-Shalom, University of Connecticut*  
[ybs@engr.uconn.edu](mailto:ybs@engr.uconn.edu), (860) 486-4823

**Amazing Advances and Future Trends in Phased-Arrays and Radar – Lecture**  
**MIMO Radar – Demystified and Where it Makes Sense – Lecture**  
**Snoopy Explains Radar and Phased-Arrays – Lecture for the Whole Family – Lecture**  
**AROUND THE WORLD IN 60 MINUTES – EXOTIC PLACES WITH A TWIST – AN INFORMATIVE, ENTERTAINING, HUMOROUS EVENING FOR THE WHOLE FAMILY - Lecture**  
*Eli Brookner, Raytheon Company*  
[Eli\\_brookner@raytheon.com](mailto:Eli_brookner@raytheon.com), (978) 440-4007

**High-Level Information Fusion Theory, Models and Representations – Lecture**  
**Information Fusion Performance Evaluation – Lecture**  
**Methods of Image Fusion - Lecture**  
*Erik P. Blasch, US Air Force Research Lab*  
[Erik.blasch@gmail.com](mailto:Erik.blasch@gmail.com)

**Business Case for Systems Engineering – Is Systems Engineering Effective? – Lecture**  
*Robert C. Rassa, Raytheon Company*  
[rcrassa@raytheon.com](mailto:rcrassa@raytheon.com), (310) 985-4962

**Effective Maritime Domain Awareness – A Systems of Systems Approach to Generating Actionable Intelligence - Lecture**  
*Tony Ponsford, Raytheon Company*  
[Tony\\_ponsford@raytheon.com](mailto:Tony_ponsford@raytheon.com), (613) 772-2997

*Simon Haykin, McMaster University*  
[Haykin@mcmaster.ca](mailto:Haykin@mcmaster.ca), (905) 525-9140  
 \*Lecture Information unavailable at time of print

*Simon Julier, University College London*  
[s.julier@cs.ucl.ac.uk](mailto:s.julier@cs.ucl.ac.uk), +44 20 76794132  
 \*Lecture Information unavailable at time of print

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