

2014 Distinguished Lecturers & Tutorials

Dr. Joe Fabrizio, Vice President – Education

.....
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. 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.
.....

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

Foliage Penetration Radar – Lecture
Mark E. Davis, Independent Consultant
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 (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

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, (781) 863-1637

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

Satellite Communication Systems – Lecture
Saj Durrani
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, +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, (860) 486-4823

Achievement, Breakthroughs and Future Trends in Phased Arrays and Radars - Updated to 2014 – Lecture
MIMO Radar – Demystified and Where it Makes Sense to Use – Lecture
Outstanding Advances in Phased-Arrays and Radar – 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@gmail.com, (781) 985-7014

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

Business Case for Systems Engineering – Is Systems Engineering Effective? – Lecture
Robert C. Rassa, Raytheon Company
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, (613) 772-2997

Simon Haykin, McMaster University
Haykin@mcmaster.ca, (905) 525-9140
Cognitive Dynamic Systems (CDS) - Lecture
Cognitive Control - Lecture
Cognitive Radar - Lecture

Simon Julier, University College London
s.julier@cs.ucl.ac.uk, +44 20 76794132
*Lecture Information unavailable at time of print

Dated: May 2014