

AESS Educational Services



Lorenzo Lo Monte

VP Education, AESS

AESS Education Committee

Yonina Eldar



Fredrik Gustafsson



Lance Kaplan



Michael Wicks



Jason Williams



Lorenzo Lo Monte



AESS Educational Services

- Resource Center
- Distinguished Lectures
- Education Awards
- Short Courses (Chair: Stefano Coraluppi)

IEEE AESS Resource Center

- **Video Tutorials and Slide Decks**
- **resourcecenter.aess.ieee.org**
- **All content is FREE for AESS Members**
- **Discounted rates for IEEE Members**

Resource Center: Over 80 Lectures!

The screenshot shows the IEEE AESS website. At the top, there are navigation links for IEEE.org, IEEE Xplore Digital Library, IEEE Standards, IEEE Spectrum, and More Sites. The main header features the AESS logo and the text "IEEE Aerospace & Electronic Systems Society". Below this is a navigation bar with categories: About AESS, Conferences, Education, Awards, Member Services, Publications, Tech Ops, and Industry Relations. The "Education" menu is expanded, showing options: AESS Education, Resource Center, Distinguished Lectures, Short Courses, Education Awards, and Education Committee. Below the navigation is a secondary bar with "Education", "Publications", and "Membership" dropdowns. The main content area displays a grid of lecture thumbnails. On the left, there is a sidebar with a list of resources: 1 Video Tutorials, 2 Slides for Video Tutorials, Fusion 2018, Passive Radar 2018, 2018 IEEE Radar Conference, 2019 IEEE Radar Conference, and Bar Shalom Tracking Lectures. The grid contains three lecture thumbnails from 2018 and one from 2016. The 2018 lectures are "Analytic Combinatorics for Multi Object Tracking and Higher Level Fusion Part 1" and "Analytic Combinatorics for Multi Object Tracking and Higher Level Fusion Part 2", both dated 22 Oct 2018. The 2016 lecture is "Bistatic and Multistatic Radar Part 1", dated 1 Jan 2016.

- Radar System Performance Modeling Part 1
- Radar System Performance Modeling Part 2
- Radar System Performance Modeling Part 3
- Radar System Performance Modeling Part 4
- Radar System Performance Modeling Part 5
- IEEE Stealth Update
- Fundamental Concepts in Radar Signal Processing - Introduction
- Fundamental Concepts in Signal Processing Part 1
- Fundamental Concepts in Signal Processing Part 2
- Fundamental Concepts in Signal Processing Part 3
- GPS/GNSS + Inertial Navigation (VIDEO MISSING)
- Sea Clutter Scattering Part 1
- Sea Clutter Scattering Part 2
- Sea Clutter Scattering Part 3
- Sea Clutter Scattering Part 4
- Sea Clutter Scattering Part 5
- Sea Clutter Scattering Part 6
- Sea Clutter Scattering Part 7
- Sea Clutter Scattering, the K Distribution, and Radar Performance
- High Level Information Fusion Management and Systems Design
- Bistatic and Multistatic Radar Part 1
- Bistatic and Multistatic Radar Part 2
- Bistatic and Multistatic Radar Part 3
- Passive Radar Tutorial Part 1
- Passive Radar Tutorial Part 2
- Multitarget Tracking and Multisensor Information Fusion
- Multisensor Multitarget Tracker Fusion Engine Development and Performance Evaluation for Realistic Scenarios
- An Introduction to Track-to-Track Fusion and the Distributed Kalman Filter
- Analytic Combinatorics for Multi Object Tracking and Higher Level Fusion - Part 1
- Analytic Combinatorics for Multi Object Tracking and Higher Level Fusion - Part 2
- Affordable Ways to Learn Radar
- Fundamental Concepts in Radar
- Radar Data Fusion
- Radar Clutter
- Radar Signal Processing
- RF Tomography
- Radar Imaging
- Radar Waveforms

AESS Distinguished Lecturer Program



How to Request DL

- Go to www.ieee-aess.org, select the desired DL
 - Contact VP Education for help
- Fill out the DL request form, and send it to VP Education
- Typically, local costs should be covered by the sponsor, while travel to destination are covered by AESS

Distinguished Lectures and Tutorial Recognition

Continuing Education Unit (CEU) - Meets our strict CEU guidelines

In order for a participant to receive a CEU certificate, the course must consist of:

- *Assessment*: case study, class assignment, class quiz/test or facilitated questions and answers
- *Instructional Method*: lecture, class discussion, panel discussion, problem solving
- *Feedback*: evaluation form

Professional Development Hour (PDH) - meets our comprehensive PDH guidelines

In order for a participant to receive a PDH certificate, the course must consist of:

- *Feedback*: evaluation form
 - can be offered by watching a webinar, site tour, research, etc.



AESS Education Awards

- Robert T Hill Best Dissertation Awards
 - Commemorative Plaque
 - \$1,000 Honorarium
- IEEE AESS Engineering Scholarship
 - For Undergraduates and Graduate Students
 - \$5,000 Award