AESS VP Education Report

Lorenzo Lo Monte

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Boston, MA, USA

Education Committee

Yonina Eldar

Fredrik Gustafsson
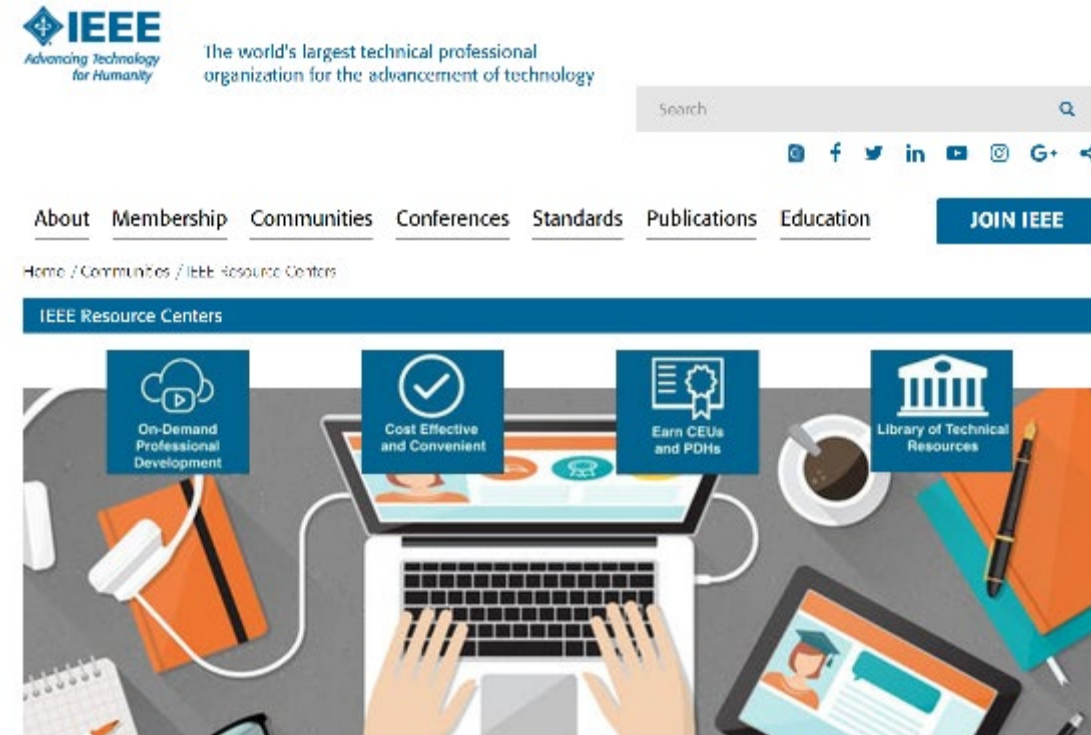
Lance Kaplan

Michael Wicks

Jason Williams

Lorenzo Lo Monte

Resource Center

The Resource Center is now an IEEE-wide activity, where many society are heavily investing.

AESS started the lead,
but we need to add
more useful information

4/27/2020

Resource Center: What can we add?

- conference presentation videos
- conference presentation slides
- tutorials
- webinars
- short courses
- keynote presentations
- technical panel sessions
- interviews
- Distinguished Lectures
- Technical Data

IEEE
Advancing Technology for Humanity

New Tutorials !!

- Lance Kaplan took the lead for "Fusion 2018"
- Jason Williams took the lead for "International Radar Conference 2018"
- The EdCom will identify "leaders" for upcoming conferences

Process to Standardize Tutorial Recording

Create Conference Catalyst Recording Capability

↓

Offer Recording Option to AESS Conferences, Tutorials and DL

↓

Increase Number of Offerings in the Resource Center

4/27/2020

Free Datasets for the Radar Resource Center

- MIT Offered Datasets to be uploaded to the Resource Center
  - Thanks to Eric Evans and the Radar Systems Panel
  - More commitments working out

Distinguished Lecturer Program

- ## Overall, 17 Distinguished Lecturers
  - By 6 Distinguished Lecturers…
- ## In line with last year
  - If we exclude double dipping
- ## Website and Paperwork Revamp accomplished
  - Next steps are…

Name	Region	Avionics	Cyber Security	Gyro and Accel.	Navigation Systems	Radar Systems	Space Systems	UAV Systems
Maruthi Akella	5						X	
Yaakov Bar-Shalom	1					X		
Erik Blasch	7	X						
Michael Braasch	2				X			
Eli Brookner	1					X		
Larry Chasteen	5	X						
Frederick Daum	1					X		
Mark Davis	1					X		
Walter Downing	5						X	
Giuseppe Fabrizio	10					X		
Alfonso Farina	8					X		
Maria Sabrina Greco	8					X		
Hugh Griffiths	8					X		
Wolfgang Koch	8					X		
Kathleen Kramer	6				X			
Lorenzo Lo Monte	1					X		
Jade Morton	5				X			
Robert Rassa	2				?			
Athina Petropulu	2					X		
Zinhua Qu	3							X
George Schmidt	1				X			
Vince Socci	1							X
Peter Willet	1					X		
Michael Wicks	2					X		

Distinguished Lecture Program Plan

- Inform Organizers of their "duties"
  - In particular, vTools reporting (email will come)

- Inform Distinguished Lecturers of their "duties"
  - In particular, transition to Concur (email will come)

- EdCom plans to contact **individually all** AESS chapters, suggesting them to organize at least 1 DL

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.

Distinguished Lectures and Tutorial Recognition

- The EdCom proposes to offer:
  - As an option, PDH for DLs
  - As an option, PDH/CEU for Short Courses
  - Mandatory, PDU/CEU for Tutorials
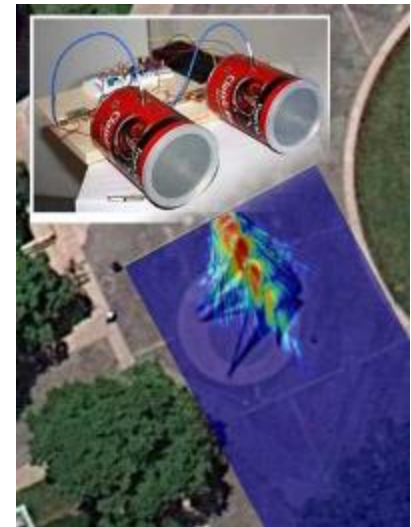
For all AESS Educational Activities

Robert T Hill Award

- Four Nominations in 2018
  - Credits to Kathleen Kramer
- 2018 Winner is Patrick McCormick
  - Mentioned in QEB and AESS Magazine

- EdCom plans to send scheduled reminders through all available IEEE channels (email, social media, QEB, magazine, brochures). Deadline is Oct 31

Initiative: Foster the Radar Summer School

- The RSP (Alex Charlish) has transformed this initiative into a success, and the AESS EdCom wants to be fully behind it
  - Make Radar Summer School "Standard"
- Standardize MIT Built-your-own-Radar
  - Possible Short Course
- Support / Fund 2020 Radar Challenges

Initiative: Create a MOOC through the IEEE Learning Network

- RSP (Stralka/Charlish) is leading this effort
- IEEE rate = $10k / hour of content developed
  - discount for multi-hour programs
- Hosting is $4/person in blocks of 250 people
- Material could be:
  - Bob O'Donnel (MIT)
  - Radar Summer School
  - Short Course

IEEE Learning Network

**The One-Stop Site
for Discovering IEEE
Continuing Education**

Initiative: Support Young Professionals

- Young Professionals In Space (Nov 4-9)
  - $1,500 support for hands-on activities

- IEEE Rising Stars
  - Next Year

YOUNG PROFESSIONALS IN SPACE

4th – 6th November 2019
Dubai, UAE