Lorenzo Lo Monte, VP Education

October 18-19, 2019

Cologne, Germany
Education Committee

Yonina Eldar
Fredrik Gustafsson
Lance Kaplan
Michael Wicks
Jason Williams
Lorenzo Lo Monte
DISTINGUISHED LECTURES
Distinguished Lectures

- 26 confirmed so far
- Much less than previous years (78)
- ... but in previous years many DL were speeches at conferences
  - If we remove conferences speeches, number of DL is comparable to last year
# Increasing Diversity in DL: Active Outreach

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<th>Host</th>
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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.
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.
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
Resource Center: Recent Activities

- Added Three Tutorials from Fusion
- Added 40-hour Lecture from Yaakov Bar Shalom
- Added two lectures from Roy Streit
- Added 1 Tutorial from Radar 2018
- Added 8 Slides from Radar Summer School
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
EDUCATIONAL AWARDS
Robert T Hill Award: Updates

- Thanks to Judy’s advertisements...

- 2 Full Submissions so far!

- X Partial Submissions
  - By far the highest number of submissions!!

- Deadline Oct 31st
Robert T Hill Award: AESS Membership

Currently, AESS Website states that the Ph.D. Student must be AESS Member in good standing for at least 1 year Official application form does NOT contain such statement (it was removed), and it has not been enforced
Robert T Hill Award: AESS Membership

- MOTION: Recommend Changing the sentence to:
- “The nominee should be an AESS member or student member and in good standing at the time of submission of the application package”
Education Awards: Discrepancies

- **Robert T Hill Best Dissertation Awards**
  - Commemorative Plaque
  - $1,000 Honorarium

- **IEEE AESS Engineering Scholarship**
  - For Undergraduates and Graduate Students
  - $5,000 Award
Definition of the Engineering Scholarship Award

Selection/Basis for Judging: Evaluations will be based on the application and stated financial need. The application shall include an essay on why these fields of study are important and how the applicant could have impact in these fields. At least 3 letters of recommendation shall be provided, two of which shall be from current or former university professors who taught the applicant or know him or her personally.
NEW INITIATIVE
New Initiative:
Faculty Course Development Award

- Amount: $10,000
- Deadline: February 1st
- The Faculty Course Development Award is to support and encourage faculty members to develop a new course with specific focus on AESS, taught in an accredited (in accordance to the accepted rules of the country of applicant) engineering/physics/science curriculum
How to use the funding

- Option 1: Directly to the Professor as cash reward
  - Course must have been already taught. A minimum number of attendees must be set. A survey must be conducted. Slides and course material must be submitted as a proof

- Option 2: Fund must be spent to purchase course material
  - Course will be developed with the funding that will be disbursed.
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
FUNDING REQUESTS
Radar Summer School

- Started in 2017
- AESS has historically funded this event
- RSS is requesting $3,000 to keep tuition low
- RSS is expecting 100 students
- RSS will follow with the YP Social Event
Funding Request: Rising Stars 2020

- Jan 3-5
- Las Vegas
- $ 1,000
- We already funded them $1,000 for the past 3 years