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## Society News

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**Welcome Message**  
by **Hugh Griffiths**  
*AESS President 2012-2013*



## Did You Know?

Did you know that AESS is on [LinkedIn](#) and [Facebook](#)? Please join us!

## Awards

### 2013 Warren D. White Award

Congratulations to Dr. Muralidhar Rangaswamy for receiving the 2013 Warren D. White Award for fundamental contributions to Advanced Radar Signal Processing!

### 2013 Fred Nathanson Memorial Radar Award

Congratulations to Professor Marco Martorella for receiving the 2013 Fred Nathanson Memorial Radar Award and Nathanson Education Grant!

## Membership

## Chapter Information

The most recent meeting of the AES Board of Governors was held in Ottawa, Canada, last month, coinciding with the 2013 IEEE Radar Conference. This was a super event in a modern and spacious conference center, and the organizers are to be congratulated on a great job.

Although the total attendance was over 400, it was quite badly affected by the absence of attendees from US government organizations since the current policy of sequestration does not allow them to travel to such meetings. This is damaging to IEEE's business, quite apart from getting in the way of the exchange of ideas and results that is at the heart of the scientific process. If you have any influence with decision makers, in the USA or elsewhere, please make this point as strongly as you can.

Hugh Griffiths  
AESS President

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**IEEE University Partnership Program (UPP)**  
**Leadership Summit Tours Boeing**

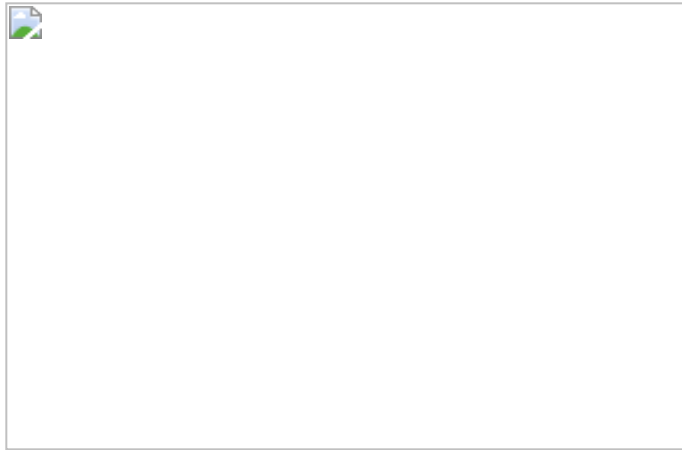
AESS is expanding in the number of active chapters with multiple starts in Regions 8, 9, and 10. While there are multiple [AESS chapters](#), for AESS members without Chapter, we are here to help in [forming a chapter](#). Two actions to maintain existing chapter developments include (1) event planning and (2) mentorship.

Maintaining a chapter can be facilitated by planning an event, hosting a distinguished lecturer, or coordinating a conference. The benefit is networking, content, and engaging discussions. AESS has coordinated on multiple events, conferences, and speakers; so future opportunities and events are driven by the members.

To foster and maintain AESS intra-chapter relationships with that of AESS inter-chapter relationships, we are planning on developing a mentorship program. Students and GOLD members will be matched against experienced people in industry, academics, and government. These discussions are meant to enable new members learn about each other, career paths, and networking as an IEEE AESS member.

### **Congratulations to the newest Chapters:**

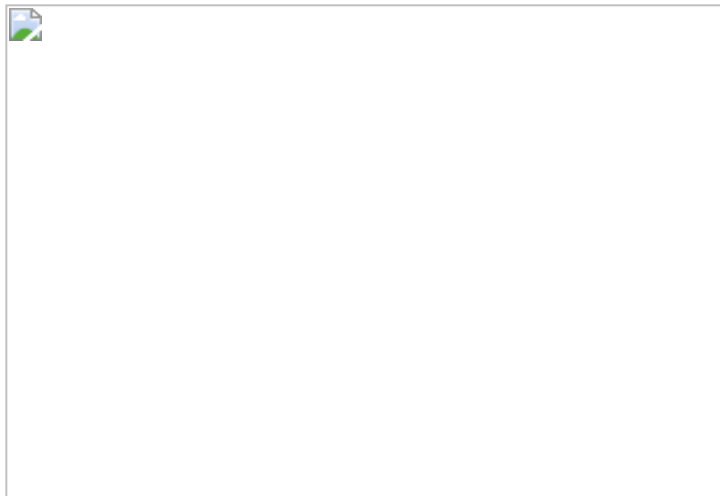
- Russia (Siberia) AESS Joint Chapter: Organizer is [Vitaly Suhotin](#)
- Melbourne Section AESS Joint Chapter: Organizer is [William Junek](#)
- Indonesia Section AESS Joint Chapter: Organizer is [Arifin Nugroho](#)
- Singapore Section AESS Joint Chapter: Organizer is [See Kye Yak](#)



Pictured above: Most of the 33 UPP Leadership team members that toured the Boeing large aircraft manufacturing area in Everett, Washington, on Friday, October 19, 2012. The students are networking and preparing to have lunch in the Forward Cabin Dining Room of the Future of Flight Museum.

On Thursday night, they all met at IVAR's in Mukilteo (next to the Ferry Boat Landing) for some good local food and drink. The group was led by IEEE staff Kristin Fitzpatrick; Boeing attendees included Barbara Johnston (retired), Loren Ayotte, Terri Morse, and Jim Leonard. Loren stole the show as he was discussing his flight test on Friday on a 737. Many students talked to him about his cell phone project and gave him their direct numbers in hopes he would call them Friday from his in flight test.

The next morning, the team queued up outside the Future of Flight Museum and got on the Boeing bus for a quick trip to the Boeing Everett Passenger Plane Plant. This plant is the biggest in the world! It covers 100 acres and is a city within itself. Assembled there are the 777, the 747, and 767, and the 787 Dreamliner. The VIP tour guide was Wes Bare, former 727 Pilot.



Pictured above: Danielle Vardaro gives her inspiring speech that covers her six year career at Boeing. She is also a member of IEEE.

- Colombia AESS Chapter:  
Organizer is [Francisco Vargas](#)

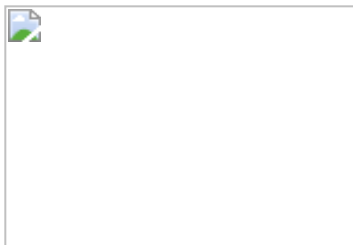
### Student Chapters:

- Fundacao Universidade Federal do ABC Aerospace and Electronic Systems Society Student Branch  
- Chapter in the South Brazil Section: Organizer is [Eduardo Machado de Franca](#)

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### Coastal New Jersey AESS Chapter and IEEE Section Lunch meeting

Dr. Arshad Zarak /Chair AESS Chapter NJ Coast Section, organized lunchtime presentation “Creating and Managing an Innovation Environment” presented by Ron Ogan, AESS Treasurer and Board member at the AT&T facility, Middletown, NJ on 5 March. Over forty attendees networked and enjoyed a pizza lunch that was sponsored by the Aerospace & Electronic Systems Society followed by a lively question and answer period. Science Technology Engineering and Math (STEM) data was provided to the New Jersey IEEE Section to show Research & Development and STEM education trends in the United States. Alliance for Science & Technology Research in America (ASTRA) compiles the data for each state in USA and these reports may be viewed [here](#).

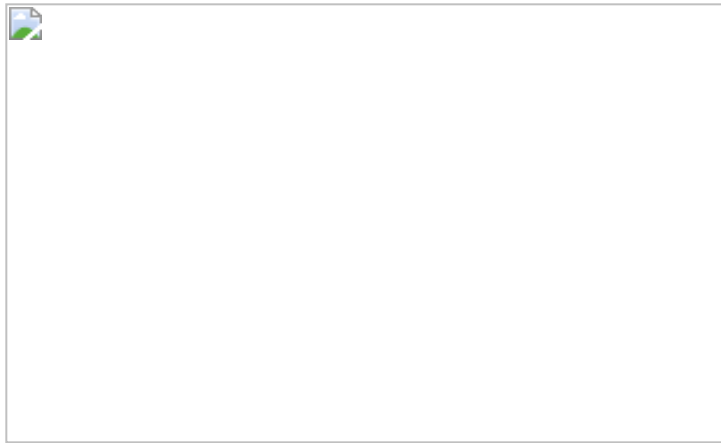


Pictured above: Coastal New Jersey AESS and IEEE Section

After the stupendous tour of the large Boeing aircraft, the students got back on the Boeing bus, which transported us back to the Future of Flight Museum. Ann Averill from the Future of Flight Museum worked with Kris Fitzpatrick to set up the meeting room and lunch. Terri Morse, Boeing ETA Director welcomed the IEEE students and opened the floor for questions. One student asked about how hard is it to get a position with Boeing. Terri really warmed up to this question and related her many assignments at Boeing.

Danielle Vardaro then presented her speech, describing her adventures at Tufts University and graduating and taking that next big step - getting a job. She related about how important it is to network and really emphasized networking in the workplace. Through her many contacts that she met here at Boeing, she was able to just recently get her dream job: Account Manager 737 Customer Engineering.

The IEEE UPP Students are top of their class students from Universities in India, China, and the USA




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### IEEE AESS Society Expense Reporting Process

[Click here for more information](#)

[IEEE Expense Reporting Form](#)

## Conference Information

Please go to the [AESS Website](#) to see a full list of upcoming conferences.

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at Middletown, NJ 5 March 2013 (Left to Right) Luis Riesco, Member IEEE; Frank Laslo Sectaryy, NJ Coast Section; Ram Atluri (Back); LATISH SREEPATHI (Front); Dru Reynolds, Past AESS NJ Coast Section and Newsletter Editor; Dr. Jeffrey H. Sinsky - Chair NJ Coast section MTT/ED/Photonics chapter; Ron Ogan Speaker; Dr. Arshad Zarak /Chair AESS Chapter NJ Coast Section; Atul Moghe; Chris Buckley; Prasad Atluri.



**IEEE AUTOTESTCON** will be held 16-19 September 2013 in Schaumburg, IL, USA.

### **Northern New Jersey MTT Antenna & Propagation Society (AP-S) Chapters and the AESS Chapter meeting**

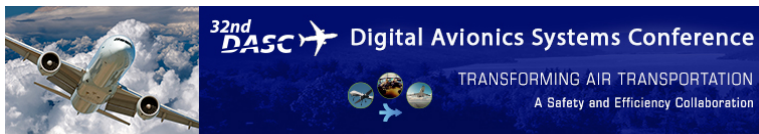
“Aircraft Avionics Equipage for FAA NextGen Flight Control System” was the technical topic for the evening meeting on 5 March 2013. The event was graciously hosted at the Synergy Microwave facility in Patterson, NJ and arranged by Dr. Ajay Kumar Podder, Synergy Chief Scientist, Tony Almeida, Synergy VP Sales and Goran Djuknic, AESS Northern NJ Chapter Chair ([goran.djuknic@baesystems.com](mailto:goran.djuknic@baesystems.com)). Ron Ogan gave details of the Federal Aviation Administration (FAA) has authorized transformation of the United States Air Traffic Control System from a radar based technology to a system utilizing Global Positioning System (GPS) Technology over the time period 2013-2020. The Automatic Dependent Surveillance-Broadcast (ADS-B) system will require all aircraft, commercial and general aviation, operating in controlled airspace to be in compliance on January 1, 2020. Dr. Ulrich Rhode, Synergy Chairman and

### **Final Manuscript Submission Deadline: 15 July 2013**

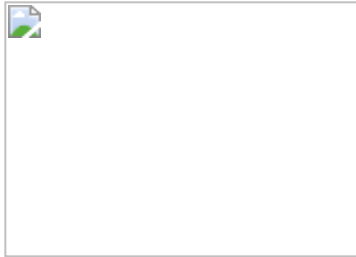
IEEE AUTOTESTCON is the United States’ largest conference focused on automatic test systems for US military systems, and has been held annually since 1965. The Conference, whose general theme is The Support Systems Technology Conference, is held in varying cities around the US each fall. Administered by a standing Board of Directors, the Conference typically presents over 120-quality application-focused papers with over 250 Exhibits, all focused precisely on the current issues facing military automated test. Attendance ranges between 650 and 750 (paid) attendees, with an additional 1,000 to 1,200 exhibitor and spouse attendees.

The Conference Registration includes admission to Technical Sessions, a copy of the Proceedings (CD ROM), lunch on Tuesday & Wednesday, Exhibit Hall access, Tuesday Exhibitor Reception, and Wednesday Evening Gala ticket.

AUTOTESTCON 2013 will also host a golf tournament that will be held on Monday, September 16 at the beautiful Makray Memorial Golf Course in Barrington, IL. Makray Memorial is a premier 18-hole championship caliber course, just eight miles from the Renaissance Schaumburg Convention Center Hotel. In addition to the cart and range balls, your \$98 fee includes breakfast, on-course beverages, lunch, snacks and soft drinks.



author of "Digital PLL frequency Synthesizers -Theory and Design" and other technical books talked briefly about the Synergy Microwave Corporation capabilities and products.



Pictured above: A plaque of appreciation was presented to Ron Ogan (Center), Tony Almeida (Left), Synergy VP Sales and Dr. Ajay Kumar Podder (Right), Synergy Chief Scientist.

## Education

If you haven't explored our [Educational Video Tutorial System](#) on the AESS website, this would be a good time to do so because we've added several new entries. In addition to the six tutorials listed on that page for AESS members, we have added links to several other sites offering coursework and lectures that may be of interest to our members. Look under [Other Tutorials](#) tab to access them. The Radar Systems Engineering Course is constantly being expanded, and now contains seventeen segments, each with a video lecture and downloadable pdf copies of the slides. Also, we've just added a link to several interesting lectures that were presented at meetings of the Seattle Section.

These links are provided as a service of our members. If you know of others that would interest our members, please let

**32nd DASC** will be held 6-10 October 2013 in Syracuse, NY, USA.

**Final Manuscript Submission Deadline:**  
23 August 2013

For more information, visit the website at:

<http://www.dasconline.org/>



**2014 IEEE Aerospace Conference** will be held 1-7 March 2014 in Big Sky, MT, USA.

**Abstract Submission Deadline:**  
15 July 2013 ([Call for Papers](#))

For more information, visit the website at:

<http://www.aeroconf.org/>



**2014 IEEE RadarCon** will be held 19-23 May 2014 in Cincinnati, OH, USA.

**Abstract Submission Deadline:**  
18 October 2013

For more information, visit the website at:

<http://www.radarcon2014.org/>

## Technical Operations

### A Message to Chapter Chairs from VP Technical Operations, Roger Oliva

The AESS Technical Operations are described here: <http://ieee-aess.org/technical-operations/general/welcome-aess-technical-operations-site>. Would you let us know how these Panels may better serve our membership? Is there something missing?

us know by email to [Dr. Joe Fabrizio](#), our VP for Education.

## AESS Web Site

As a service to our members, the AESS website has job opportunities listed. Please visit the [AESS website, Job Opportunities](#).

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### 2013 AESS Board of Governors

2011-2013:

Erik Blasch  
Larry Chasteen  
Mark Davis  
George Dean  
Robert Ewing  
Alfonso Farina  
Peter Willett

2012-2014:

Yuri Abramovich  
W. Dale Blair  
Walter Downing  
Joe Fabrizio  
Maria Greco  
Lance Kaplan  
Robert P. Lyons, Jr.  
Teresa Pace

2013-2015:

Wolfgang Koch  
Kathleen Kramer  
James Leonard  
Leo Lighthart  
Ron Ogan  
Roger Oliva  
George Schmidt  
Iram Weinstein

As an example of Chapter endeavors, please take a look at activities that we've pursued at our local Chapter in Washington, DC over the past dozen years and share what you are pursuing with us. You can view these activities by clicking [here](#). Is there something we can do to facilitate what you are doing? Are there any lecturers here that you'd like to have visit your Chapter?

Be advised, our Society Official [Distinguished Lecturer Program](#) is also very active and is highly recommended.

I've found only a few Chapter internet sites. Do you have one? If so, what is it? I wish to also bring your attention to these [Australian](#), [Ukrainian](#) (Section), [Canadian](#), and [Greek](#) Activities.

We serve you by assisting in coordinating technical activities to promote engineering. I am personally supporting the IEEE [Systems Council](#) and USA/IEEE Committee on [Transportation and Aerospace Policy](#) on your behalf.

We hope you're taking a close look at [conferences](#), [tutorials](#), and [publications](#) that are already available to you. If you have ideas regarding Industrial Relations, please drop [Alfonso Farina](#) a line. Are we meeting your needs? What are we missing?

Please pass this e-mail to your Chapter and Section Officers and local AESS membership. We'd appreciate it if you'd collect/condense comments or/and questions and pass them to us so we may best serve them.

Thank you,

Roger Oliva  
VP Technical Operations, AESS Board  
[roger.oliva@ieee.org](mailto:roger.oliva@ieee.org)  
703-849-8221

## Publications

### Systems Magazine Archives

Did you know that we have Systems Magazine Archives on the AESS web site? Click [here](#).

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### Upcoming Transactions Posted on the AESS Website

For a listing of Upcoming Transactions, please visit the [AESS website, Upcoming Transactions](#).

## Open Access Policy

In accordance with IEEE policies regarding open access (OA) content, the AES Transactions has become a “hybrid” journal for submissions dated November 1st 2012 or later. This means that authors have the choice between the traditional publication model and an OA model. The former is the familiar procedure in which an accepted article is available on IEEEXplore to subscribers of that service. Under the OA model the author of an accepted manuscript chooses to pay a fee, such that the manuscript is posted on IEEEXplore and available, free, to all. The current OA fee is \$1750 per article, and this figure is independent of manuscript type (regular, correspondence or letter).

To submit new articles, please send an email with your article to AESS QEB Editor, [Cosimo Stallo](#), subject line: "Quarterly Email Blast Article Submission". The next publication will be in Quarter 3, 2013, deadline for submission is June 20, 2013.