

# The Valley Megaphone

Newsletter of the  
**Institute of Electrical and  
Electronics Engineers, Inc.,  
Phoenix Section**  
June, 2015  
Volume XXIX, Number 6



## Executive Committee 2015

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TBD

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IEEE Phoenix Section on-line updates can be found at  
<http://sites.ieee.org/phoenix/> and on LinkedIn  
at:<http://www.linkedin.com/groups?gid=2765918>  
and on Facebook at:  
<https://www.facebook.com/IEEEPhoenixSection>

Please send announcements for the *Valley  
Megaphone* to Wei Xu at [Wei.Dr.Xu@ieee.org](mailto:Wei.Dr.Xu@ieee.org) for  
inclusion in the Section Calendar.

**All meetings announced in the  
Phoenix Section Megaphone or on  
the Phoenix Section Calendar are  
open to everyone (IEEE members  
and non-Members)**

## Chapters

### Signal Processing & Communications

Pavan Turaga  
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### Computer Society

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### CPMT Society

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### EMBS Chapter

TBD

### EMC Society

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### Power & Energy Society

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### Solid State Circuits

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### Teacher-In-Service

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### Waves & Devices Society

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### Women In Engineering

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### Young Professionals

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## U – News (for Student Members)

### Updates of Student Advisors and Committee Members

Each Student Branch noted on the right side of this page should review current information on Advisors and Student Committee Members and forward to my attention within this week, as we are reviewing contacts for reporting and activities including Student Monthly Meetings.

S. Diane Smith  
602-749-4601  
[sdianesmith@computer.org](mailto:sdianesmith@computer.org)  
Student Activities Chair

### Update from DeVry Phoenix-Engineering Student Branch

DeVry University is reestablishing the student branch after a long dormant period. We are holding one meeting a month for general business and would like to have one meeting a month with a guest speaker. Any suggestions or volunteers for guest speakers would be greatly appreciated. This month we are responsible for facilitating and judging the Engineering Competition at the Arizona Championship of SkillsUSA. This has been a great opportunity for our members to learn about the competition process and give back to the community.

Hannah Sprague  
Chair, IEEE DeVry Student Branch  
[hspragueIEEE@gmail.com](mailto:hspragueIEEE@gmail.com)

## Student Branches

### ASU Main, Engineering

Chair: Phoebe Henson  
480-888-6396,  
[pghenson@asu.edu](mailto:pghenson@asu.edu)  
Advisor: Cihan Tepedelenioglu,  
480-965-6623, [cihan@asu.edu](mailto:cihan@asu.edu)

### ASU Main, Computer Society

Chair: TBD  
Advisor: Guoliang Xue  
480-965-6218, [xue@asu.edu](mailto:xue@asu.edu)

### ASU Polytechnic

Chair: Josh Carrol  
[jkcarrol@asu.edu](mailto:jkcarrol@asu.edu)  
Advisor: : Dr. John M. Parsey, Jr.,  
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[John.Parsey@asu.edu](mailto:John.Parsey@asu.edu)

### DeVry, Phoenix – Computer Society

Chair: Zak Burgess  
602-749-4518  
[burgess.zak@gmail.com](mailto:burgess.zak@gmail.com)  
Advisor: Roger S. Gullledge  
602-749-4586  
[rgullledge@devry.edu](mailto:rgullledge@devry.edu)

### DeVry, Phoenix – Engineering

Chair: Hannah Sprague  
602-749-4518  
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Advisor: Roger S. Gullledge  
602-749-4586  
[rgullledge@devry.edu](mailto:rgullledge@devry.edu)

### NAU, Engineering

Chair: Jeremy Johnson  
Advisor: Niranjana Venkatraman  
[v.niranjana@ieee.org](mailto:v.niranjana@ieee.org)

### Embry-Riddle, Prescott

Chair: Lisa M. Ferguson  
[FERGUSL2@my.erau.edu](mailto:FERGUSL2@my.erau.edu)  
Advisor: John E. Post  
[postj@erau.edu](mailto:postj@erau.edu)

## U – Newsbytes

The Department of Computer, Electrical, and Software Engineering at Embry-Riddle Aeronautical University in Prescott, AZ invites applications for a faculty position (tenure-track or tenured) at the assistant or associate professor level. The successful candidate should have a Ph.D. in Computer Science, Software Engineering, Computer Engineering or a related field at the time of employment. Preferred areas of expertise for this position include network, cyber, or computer system security and defense, computer forensics, information security, cyber-physical and trustworthy systems, and net-centric computing, embedded systems, autonomous systems, and physical computing. Significant industrial, entrepreneurial and/or teaching experience would strengthen a candidate's credentials, but recent graduates are encouraged to apply.

Apply online at [www.erau.edu/jobs](http://www.erau.edu/jobs) and search for positions at Prescott.  
Contact Professor Post at [john.post@erau.edu](mailto:john.post@erau.edu) for further information.

### Update from DeVry Phoenix-Engineering Student Branch

The DeVry University Engineering Student Branch had the fortunate opportunity to facilitate the Engineering Competition at the Arizona Championship of Skills USA last month. As a team, we provided support staff, DeVry student & faculty judges for 13 high school teams from all over Arizona. The high school students came prepared to give a presentation on an engineering project that they had worked on. In addition to giving their prepared presentation and answering questions about their projects, we also provided them with an on-site engineering project to demonstrate their problem solving and teamwork abilities. We came up with a real world engineering project where the teams were required to build a tower at least 2 feet tall that would support the weight of a water bottle in 30 minutes. To add a real world feel to the project, we provided the teams different supplies that they could use and a budget to buy the supplies with. We awarded extra points to the teams that built their tower to specs and came in with the lowest budget spent. We were encouraged to see that many of the teams were able to grasp the concept that bigger and stronger is not always necessary. In the real world, money drives business and it is about meeting a requirement for the least amount. It was very energizing for us to see the bright prospects in the next generation and look forward to our next community project.

Hannah Sprague

Chair, IEEE DeVry Student Branch

[hspragueIEEE@gmail.com](mailto:hspragueIEEE@gmail.com)



### Update from Embry-Riddle Student Branch

The Embry-Riddle Aeronautical University IEEE Student Branch would like to send an update of their activities in the month of April. Our chapter hosted a SPAX on April 14th, focusing on career development. About twenty students and several faculty members were in attendance at the event. Two professors from the university spoke about their experiences in industry and gave advice on how to have successful careers. At the last meeting of the year students received the polos they had ordered. The new officers were also introduced to the rest of the members in attendance.



## Upcoming Conferences in Region 6

**Hello IEEE Student Members!**

[Region 6 Global Humanitarian Technology Conference in Seattle](#) will be held on October 8 to 11, 2015

[IEEE Technologies for Sustainability Conference \(SusTech\) 2015](#) will be held July 30-August 1, 2015

[IEEE REGION 6 CAREER AND TALENT EXPO](#) will be held on JUNE 1-30, 2015

[2015 37th Electrical Overstress/Electrostatic Discharge Symposium \(EOS/ESD\)](#) will be held on Sep 27-Oct 2, 2015

[2015 IEEE 61st Holm Conference on Electrical Contacts \(Holm 2015\)](#) will be held on Oct 11-14, 2015

[2015 IEEE 24th Electrical Performance of Electronic Packaging and Systems \(EPEPS\)](#) will be held on Oct 25-28, 2015

[2015 IEEE Workshop on Automatic Speech Recognition and Understanding \(ASRU\)](#) will be held Dec 13 to 16, 2015

[2016 IEEE 66th Electronic Components and Technology Conference \(ECTC\)](#) will be held on May 28-Jun 5, 2016

[2016 15th IEEE Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems \(ITherm\)](#) will be held on May 31 – Jun 3, 2016

### **Message from the Director: Your Investment in IEEE Region 6 by Tom Coughlin, IEEE Region 6 Director**

At a recent IEEE Board of Directors meeting an increase of the member assessment for Region 6 members was approved. The assessment will increase from \$1 per member to \$3 per member (a \$2 per member dues increase for Region 6 IEEE members) starting with the 2016 IEEE membership year. I wanted to let you know why we have taken this step and what we plan to do with the additional Region 6 money that this increase will provide.

IEEE Region 6 was for several decades supported by very successful industry conferences, in particular the annual Wescon (Western Electronics Show and Convention), which provided connections between component and system manufacturers and design engineers. Region 6, in combination with the Los Angeles IEEE Council and the San Francisco Bay Area IEEE Council were the owners of Wescon. Wescon provided money not only for Region 6 and the two councils, but for all the sections throughout Region 6. This was a rich source of funding for all types of IEEE activities in our region. The last Wescon was held in 2005.

In 2004 the IEEE approved a \$1 assessment for IEEE members in Region 6. There was no assessment before that date. Region 6 has had the lowest assessment of any of the 10 IEEE regions for many years. This assessment money provided funding to partially replace the much larger influx of money that Wescon used to provide and to fund that various activities we

## IEEE Phoenix Valley Megaphone June, 2015

have in Region 6 to develop technology for the benefit of humanity as well as promote the value of the IEEE and IEEE membership.

Region 6 has embarked on a number of activities to add value to our members and to create technology for the benefit of humanity. These include our conferences: the annual Global Humanitarian Technology Conference, the Sustainable Technologies Conference, the Rising Stars Conference for young engineers and our new on-line Career and Talent Expo, now underway. We have also embarked on a chapter meeting recording initiative, including training and hosting the presentations in a searchable web site and we have been funding more PACE activities in Region 6 than every before in the recent history of the Region. We think these activities are investments in our members that will eventually pay for themselves, but it can take a bit of time to get these activities off the ground.

So your \$2 membership dues increase for Region 6 will help us to create more value for you and other IEEE members and create opportunities to create a better world. We welcome any thoughts or suggestions that you may have and if you would like to work with us on any of our projects please let us know. The real value that our members contribute is their time, in the end this is a much greater investment than their membership dues. If you wish to contact me my email is [tom@tomcoughlin.com](mailto:tom@tomcoughlin.com).

# Region 6 Career and Talent Expo



## TAKE YOUR CAREER TO THE NEXT LEVEL

Region 6 is launching a Career and Talent Expo June 1, 2015. This unique event will link IEEE members to companies looking for individuals with our members' skills and talents.

<http://sites.ieee.org/r6careerexpo>

Registration is FREE for all members. Included in the registration

- Professional and Personal development materials
- Access during the “live” dates to company recruiters
- Important Skill Development Webinars
- Presentations on Job Search, Interviewing, Networking, Leadership, Managing, Communication
- Personal Skill Assessment Tool to assist in your personal benchmarking and job matching



**Like a Face-2-Face conference, the Career and Talent Expo will provide career related and professional development presentations to attendees.** Sessions begin on June 1 with important career and technical guidance that will enable participants to make important career decisions, advance in their current positions or look for new professional opportunities.

The June Expo launch schedule is:

- June 1-9** On-line sessions begin. Access to all video and session materials are available to registered attendees. Resumes and talent profiles can be completed, updated and edited.
- June 10-12** “Live” Expo. Within the virtual environment, Expo attendees may visit corporate booths, have discussions with recruiters, hiring managers and corporate representatives, schedule interviews, attend learning sessions and seminars.
- June 13-30** Expo continues. Expo attendees will have access to corporate representatives will be available by appointment only. Expo professional development video and session materials will remain main available to registered Expo attendees.

**THE EXPO IS A CONTINUING EVENT. THE SITE WILL BE CONTINUOUSLY UPDATED. THE “LIVE” CONTENT AND CORPORATE RECRUITER ACCESS IS SCHEDULED ON THE THIRD WEDNESDAY & THURSDAY OF EACH MONTH.**

**We are also inviting select employers with appropriate positions to fill.** Corporate sponsors may select one of the three categories:

- ❖ **Gold Recruiter** – Focus on classic candidate interview and selection process
- ❖ **Platinum Job Matching** – integrates classic candidate interview and selection process with skill based assessments to assure improved ROI in your hiring process.
- ❖ **Titanium Branding and Job Matching** – Event sponsor and co-branding

For more information contact Michael Andrews, [m.andrews@ieee.org](mailto:m.andrews@ieee.org)




**IEEE**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.


 IEEE COMPONENTS, PACKAGING AND  
MANUFACTURING TECHNOLOGY SOCIETY

## IEEE Components, Packaging and Manufacturing Technology Society Phoenix Chapter

### 2015 Executive Committee for CPMT Chapter for IEEE-Phoenix Section

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Asst. Program Chair			
Tutorial Chair	Dr. Shawn Shi	480-929-5614	<a href="mailto:Songhua.Shi.2011@ieee.org">Songhua.Shi.2011@ieee.org</a>
Asst. Tutorial Chair			
Workshop Chair & Publicity	Dr. Vasudeva P. Atluri	(480) 227-8411	<a href="mailto:vpatluri@ieee.org">vpatluri@ieee.org</a>
Website Co-Chair	Bharat Penmecha	(480) 552 2511	<a href="mailto:bharat.penmecha@ieee.org">bharat.penmecha@ieee.org</a>
Website Co-Chair	Huiyang Fei	(480) 552 4966	<a href="mailto:Huiyang.H.Fei@ieee.org">Huiyang.H.Fei@ieee.org</a>

### Tentative Schedule for Monthly Seminars

Date	Topic	Speaker
Feb. 18, 2015	Packaging & Failure Analysis Challenges in Advance 3D packages	Dr. Deepak Goyal
Mar. 18, 2015	High Spatial Resolution Strain Mapping in TEM using Precession Electron Diffraction	Dr. Amith Darbal
April 22, 2015	Seminar Cancelled	
May	No Seminar due to IMS-2015 in Phoenix	
June 17, 2015	Materials Characterization: A Model for Open Access	Leroy Eyring Center, ASU
July		
August		
September		
October		
November		
December		



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.



IEEE COMPONENTS, PACKAGING AND  
MANUFACTURING TECHNOLOGY SOCIETY

## IEEE Components, Packaging and Manufacturing Technology Society Phoenix Chapter

Wednesday, June 17th, 2015 at 5:30 PM

### Materials Characterization: A Model for Open Access

Jeff Luth / Emmanuel Soignard / Karl Weiss / Barry Wilkens

*LeRoy Eyring Center for Solid State Science*

Arizona State University | Tempe, AZ | Jeff.Luth@asu.edu

#### ABSTRACT

Materials characterization is integral to successful semiconductor process & product development. In the academic environment, characterization provides data necessary to validate the research approach. When research is translated to the commercial environment, characterization speeds time to market and thus revenue. In the case of defect analysis, successful characterization can lead to significant cost-avoidance. However, access to sophisticated characterization tools and techniques can be a challenge. Forty-one years ago, ASU recognized these challenges and created a model for a multi-user facility – the LeRoy Eyring Center for Solid State Science. LE-CSSS provides users across a wide variety of scientific disciplines with open access to a portfolio of tools and techniques for materials characterization and high resolution imaging. The Center is particularly well-suited to characterizing semiconductor materials. Integrating three ASU laboratories, LE-CSSS leverages a wide array of analytical capabilities; optimizes equipment utilization; trains researchers to operate instruments independently; provides educational workshops; and supports industrial and other academic users with techniques to which they might not otherwise have access.

#### SPEAKERS

**Jeff Luth** directs the Industrial Associates Program for ASU's LeRoy Eyring Center and manages relationships with companies across the country. Jeff is former VP Corporate Communications for Amkor Technology.

**Dr. Emmanuel Soignard** manages the Goldwater Materials Science Facility. Emmanuel has been with LE-CSSS for 8 years.

**Karl Weiss** manages the John M. Cowley Center for High Resolution Electron Microscopy. Karl has been with LE-CSSS for 30 years.

**Barry Wilkens** manages the Ion Beam Analysis of Materials (IBeAM) Facility. Barry has been with LE-CSSS for 23 years.

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**Date:** Wednesday, June 17th, 2015

**Location:** Group Conference Room, Freescale Semiconductor, Inc., Discovery Business Center, 2100 E. Elliot Rd. Tempe, AZ. Enter the facility through the Main (South) Lobby in building 94 and sign in with Security (*Photo ID required*) **BEFORE 6:00 PM**. You will be escorted to the meeting room. The presentation promptly starts at **6:00 PM**.

**Agenda:** 5:30–6:00 PM: Social/Refreshments, 6:00–7:00 PM: Presentation, 7:00 PM: Dinner  
(Pizza and Soda will be provided by the IEEE Phoenix Section CPMT Society Chapter)

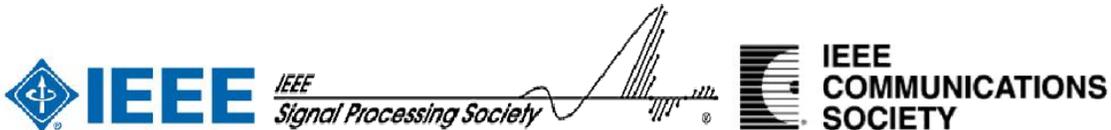
IEEE members and non-members are all welcome to attend.

**Please arrive at the facility entrance no later than 5:45 PM.**

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**For more information, please contact any of the following CPMT officers:**

Vasu Atluri	(480) 227-8411	Rao Bonda	(480) 786-7749	David Dougherty	(480) 413-6923
Vivek Gupta	(480) 734-0266	Bharat Penmecha	(480) 552-2511	Mahesh Shah	(480) 544-9438
Shawn Shi	(480) 929-5614	Huiyang Fei			



## SP-COM Phoenix Chapter

### **Please join our Google Group!**

**Please join our increasingly popular Google group to get the most up-to-date information about the society's activities. We have now over 50 members who are availing of this facility. Email traffic is thin, and used only to send meeting notices. No spam !**

<https://groups.google.com/d/forum/ieee-sp-com-phoenix-chapter>

**In addition, we continue to post meeting notices on IEEE vtools at  
(<https://meetings.vtools.ieee.org/main>)**



## Phoenix Chapter of the IEEE Computer Society June, 2015

### News

- The chapter meeting dates for the remainder of 2015 are listed below along with the venues, if known at this time.

- |                            |  |   |
|----------------------------|--|---|
| ○ June 3 <sup>rd</sup>     | ITT Technical Institute, Tempe           | I |
| ○ August 5 <sup>th</sup>   | DeVry University, Phoenix campus         |   |
| ○ October 7 <sup>th</sup>  | TBD                                      |   |
| ○ December 2 <sup>nd</sup> | ITT Technical Institute, Central Phoenix |   |

Meetings will be held from 6:00 pm to 9:00 pm. We will publish information for each of these meetings as soon as it is known.

- The June 3<sup>rd</sup> meeting will be held at the ITT Technical Institute in Tempe. The speaker will be Dr. Brad Morantz on the topic of building one's own computer at home:

### **Building Your Own Computer**

Have you ever considered building your own computer? Is it a good idea? Is it easy? Can you save money? Is it better? What kind of tools will I need? Where do I get the parts? Is it a worthwhile endeavor? Is it something that I can do? Why should I do it? Or should I just go and buy a machine? In some ways it is easier than one would expect, and in other ways more difficult. This presentation will discuss advantages and disadvantages of building your own machine, design considerations, methodology, and actual construction results. Bring paper and pen to take notes.

Dr. Brad Morantz has been working with computers since the mid 1960's, starting first on a Univac 1107. No, he did not build that. He now has a machine at his desk that leaps and bounds over that room-filling machine. Dr. Morantz has a BS in CIS-EE, an MS in Decision Sciences, and a PhD in Decision Sciences with a minor in Computer Science. He has done post-doctoral studies in Statistical Design Methodology, Design Analysis Simulations, and Computational BioScience. He is currently a senior research scientist for Bluemont Technology & Research. Dr. Morantz has worked in defense, intelligence, automotive, and bio-medical engineering. He builds his own computers so that they are reliable and capable of fulfilling his needs. Putting cognitive function into the machine environment is his area of research.

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Visit the CS Chapter website for the latest information: <http://ewh.ieee.org/r6/phoenix/compsociety/>.

For brief announcements regarding upcoming events we are also on Twitter: @IEEECS\_PHX

If you would like to suggest a topic or speaker for any of our future meetings, please contact one of the chapter officers:

<b>Chair</b>	Jerry Crow	jerry.crow@computer.org
<b>Vice-chair</b>	Dr. Brad Morantz	bradscientist@ieee.org
<b>Secretary</b>	Audrey Skidmore	askidmore@computer.org
<b>Treasurer</b>	Diane Smith	sdianesmith@computer.org
<b>Webmaster</b>	Audrey Skidmore	askidmore@computer.org



# WAVES AND DEVICES

## PHOENIX CHAPTER

<http://ewh.ieee.org/r6/phoenix/wad/>

### 2015 Event Calendar



Chapter Chair: Steve Rockwell [steve.rockwell@ieee.org](mailto:steve.rockwell@ieee.org)  
 Chapter Vice-Chair: Trevor Thornton [t.thornton@asu.edu](mailto:t.thornton@asu.edu)

<u>Date</u>	<u>Venue</u>	<u>Topic / Title</u>	<u>Speaker</u>	<u>Affiliation</u>	<u>IEEE Society</u>
25-Feb	ASU	Thermal Challenges in Mobile Devices and Potential Solutions	Mulugeta Berhe	Henkel	Electron Devices
26-Feb	ASU	Impact of Be-doping on the material properties of InAs/InAsSb type-II superlattices for infrared detection	Elizabeth Steenberger	Wright-Patterson Air Force Base	Photonics
27-Mar	ASU	Advanced Antenna Systems for Satellite Communication Payloads	Sudhakar Rao	Northrop Grumman	Antennas
20-Apr	ASU	Surface Acoustic Wave Devices – Challenges for Technology Development in Modern Communication Systems	Richard Gruenwald	Vectron	Ultrasonics
22-May	ASU	Microwave and Millimeter Wave Power Amplifiers: Technology, Applications, Benchmarks, and Future Trends	Jim Komiak	BAE	Microwaves
22-May	ASU	Overview of Different Numerical Solvers for Electromagnetic Applications	Felipe Cátedra	Univ. of Alcalá, Madrid, Spain	Antennas
Aug					
23-Sept	ASU	Modern Methods for Microwave Filter Synthesis	Richard Cameron	MTT Dist. Lecturer	Microwaves
Oct					
Nov					

For more information, contact:

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IEEE Phoenix Section  
Women in Engineering  
Affinity Group



## STEM Volunteering at IEEE IMS Conference

IEEE Phoenix section WIE AG chair Shamala Chickamenahalli and Vice chair Lesley Polka served on the steering committee for the IMS 2015 held at the Phoenix Convention Center, downtown Phoenix during May 17<sup>th</sup> - 22<sup>nd</sup>. In this role Shamala participated in weekly WG meetings for the STEM experience initiatives that was led by Lesley Polka of Intel Corporation. Shamala's roles were in identifying set of volunteers (12) needed to assist on May 21<sup>st</sup>, the day of the STEM experience for 4<sup>th</sup>-12<sup>th</sup> grader students from various elementary, middle and high schools from around the valley. The goal of the STEM experience event was to showcase the STEM area children in the metropolitan Phoenix area at IMS. Shamala also served as a judge at the poster session of the high school invitational during this STEM activity on May 21<sup>st</sup>. Lesley's key role included identifying the schools, working closely with the high school teachers and parents to identify the student teams and projects for the high school Invitational where students would present their research/engineering project to team of judges on May 21<sup>st</sup> at the IMS venue. Following it all the way through till the completion of the STEM experience was Lesley's responsibility in addition to identifying judges for the invitational, overseeing the judging process and also award processing along with other committee members of the STEM initiative. More than 150 metropolitan phoenix area elementary school children participated at the event and got an exposure to a premier event in engineering and an excellent opportunity to tour and experience the EXPO and witness numerous demos of concepts of electricity, magnetism, wireless charging, electronics and other technical areas.

<https://meetings.vtools.ieee.org/m/34174>



Chair: Shamala Chickamenahalli ([Shamala.Chickamenahalli@intel.com](mailto:Shamala.Chickamenahalli@intel.com))

Vice-Chair: Lesley Polka ([lesley.a.polka@intel.com](mailto:lesley.a.polka@intel.com))

Secretary / Publicity: Divya Kalimuthu ([divya.kalimuthu@intel.com](mailto:divya.kalimuthu@intel.com))

Treasurer: Diane Smith ([diane@web-oasis.com](mailto:diane@web-oasis.com))

Web Master: Audrey Skidmore ([ASkidmore@azmag.gov](mailto:ASkidmore@azmag.gov))

If you would like to be added to our distribution list for further information about this and future events, please contact Divya Kalimuthu ([divya.kalimuthu@intel.com](mailto:divya.kalimuthu@intel.com)).

The IEEE WIE Affinity Group's mission is to inspire, engage, encourage and empower IEEE women worldwide with a vision of creating a community of IEEE women and men innovating the world of tomorrow. More information about IEEE WIE can be found at: [http://www.ieee.org/membership\\_services/membership/women/women\\_about.html](http://www.ieee.org/membership_services/membership/women/women_about.html)



## 2014 IEEE Phoenix Section News

### Executive Committee Meeting

**No meeting of Executive Committee in July & August**

Normal meetings are on first Tuesday of the month from 6:00 PM to 8:00 PM  
The Airport Hilton Phoenix,  
2435 S 47th St. Phoenix, AZ 85034, (480) 894-1600.

### 2015 Executive Committee

Chair: Bruce Ladewig  
Vice Chair: Surinder Tuli  
Secretary: Vivek Gupta  
Treasurer: Mahesh Shah  
Past Chair: Barbara McMinn

### Executive Committee Meetings

**Date:** First Tuesday of every month, except July and August

**Time:** 6:00 – 8:00 p.m.

**Location:** Hilton Phoenix Airport, 2435 South 47th Street, Phoenix, AZ 85034

**IEEE Phoenix Section Annual Banquet 2014 Photos are Posted at:**

<http://sites.ieee.org/phoenix/2014/03/03/pictures-from-the-2014-annual-banquet/>

**IEEE-Phoenix Section Annual Banquet 2015 Photos will be Posted soon.**

### **IEEE Senior Member and Fellow Grade**

IEEE Phoenix Section Membership Development would like to nominate eligible IEEE Members from the Section to Senior Member and Fellow Grades. Please review the requirements at [www.ieee.org](http://www.ieee.org) for eligibility.

Eligible candidates are requested to send in their resumes to Dr. Vasudeva P. Atluri, Membership Development Coordinator, at [vpatluri@ieee.org](mailto:vpatluri@ieee.org) and Dr. Charles E. Weitzel, Section Chair, at [c.weitzel@ieee.org](mailto:c.weitzel@ieee.org) for consideration.

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## Phoenix Section LinkedIn Group

If you are interested in professional networking and shared Section related updates & discussions join the [IEEE Phoenix Section Group on LinkedIn](#). Signing up only takes minutes and is free. A job board is available as well.

You can also go to IEEE Phoenix Section LinkedIn page by clicking  button on the [IEEE Phoenix Section home page](#)

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## IEEE Phoenix Section Ventures into Social Media

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You can access the web page three ways:

Use the URL: <https://www.facebook.com/IEEEPhoenixSection>

Click on the Facebook logo  link from [IEEE Phoenix section home page](#).

Search for IEEE Phoenix Section from your Facebook page.

We need following help.

1. Each of you access the IEEE Phoenix Section Web page and click on "Like" hyperlink.
2. Go on the Friends section of the page and "Invite Your Friends." Once you click on Invite button, it will get your email contact list. Your facebook contact list will already be populated with your Facebook friends and you can simply click the Invite button next to their name. Please invite as many friends as you can.
3. Provide me the contents for posting on a regular basis - meeting/ event announcements, Event pictures, Videos.
4. Start some discussion topics under - Status section.

## IEEE Membership Grade Advancement

IEEE Phoenix Section Executive Committee encourages all to apply for advancement in membership grade to Senior Member and Fellow Grade. Please review the requirements at [www.ieee.org](http://www.ieee.org). Please contact IEEE Phoenix Section Membership Development Chair, Dr. Vasudeva P. Atluri, at [vpatluri@ieee.org](mailto:vpatluri@ieee.org) for additional information.

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### Enhanced Senior Member Application Launched

Effective 29 July 2011, IEEE Admission and Advancement launched a [new Senior Member Application](#). The new application includes numerous enhancements, based on feedback from volunteers and members, including:

- New user friendly format / design
- Secure environment (need IEEE Web account)
- Ability to save application in “draft” form
- Ability to upload resume or Curriculum Vitae (up to 3 MB)
- Applicant can view application online
- Applicant can view status of requested reference forms
- References will be notified by email to provide applicant reference
- References will have the ability to view their completed reference form(s)
- Real time application status

The goal is to provide prospective Senior Members with an easy to use and intuitive interface, while streamlining internal operations at the same time. [View the new Senior Member application](#).

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## IEEE Member’s Benefits

### Refer a Colleague, Get Great Merchandise!

In conjunction with IEEE-USA, IEEE is excited to continue this special offer for U.S. members.

Refer a colleague to IEEE. If they join before the end of the membership year, they'll get a 50% discount off their first year membership, and you'll get a gift. IEEE-USA gift items you can choose from include:

Cooler backpack	Computer backpack
Portable solar battery charger	Tablet case
Portable speaker	Parker pen and mechanical pencil set
Parker ballpoint pen	Travel coffee mug and tumbler set
Golf balls	Baseball hat
Golf umbrella	Travel umbrella

Members remain eligible to receive incentives through the existing IEEE Member-Get-a-Member (MGM) program. How it works:

- Refer your colleague via the [online form](#).
- Your referral will receive an e-mail inviting them to join at a 50% discount off first-year membership dues, and will receive benefits through 31 December.

- Your referral will provide your IEEE member number when he or she joins.
- Within 1-2 weeks after your referral joins, you will receive an e-mail confirming your recruiting success, including a link which allows you to select your IEEE-USA merchandise item.
- You will receive a separate e-mail for each new member you recruit.

Please help spread the word and share your IEEE experience - no one knows how beneficial IEEE Membership is to technical and career development better than you, the member. [Refer your friends and colleagues today!](#)

## IEEE-USA Webinar: Job Interviews and Leadership

On 11 March 2015 at 2:00 PM EST IEEE-USA will provide training to help you prepare for your job interview. This webinar, *Job Interviews*, presents efficient interview processes, what to expect, and how you present yourself. The Presenter Dr. Tarek Lahdhiri will also focus on the different interview types, what really matters during the interview and topics to avoid.

On 13 March 2015, at 1:00 PM EST, Elizabeth Lions, author and renowned speaker will address the topic of "Leadership" in the second of a three-part webinar series. In this three-part series, Ms. Lions will address what is appropriate for new leaders, anyone contemplating a move into a leadership role, and visionary process for defining goals for your team. She will examine the criteria by which leaders are measured: team assessment, training, hiring, firing and building a workflow plan.

[Join IEEE-USA for two more great installments to its webinar program.](#)

## Free IEEE-USA eBook Offered as Special Benefit to IEEE Members

WASHINGTON (1 June 2015) -- Starting today, IEEE-USA is offering free to IEEE members, "Would Have Liked to Know That! – Book 1: Selling Yourself at Work."

Author Maura Schreier-Fleming points out that engineers need to think and act more like salespeople to succeed in the workplace. "Engineers are often the hardest working professionals, whose humility [sometimes] gets them overlooked in business," she writes.

Among her recommendations are writing concise, easy-to-understand emails. This is important because engineers are detail-oriented, so their emails sometimes "tend to look like a novel."

In oral communications, Schreier-Fleming emphasizes that when giving a presentation, you should make eye contact and position yourself in a confident stance.

From 1 June to 15 July, you can get a free copy of "Selling Yourself at Work" to download by going to <http://shop.ieeeusa.org/usashop/product/careers/76763>. Log in with your IEEE Web account, add the book to your cart and use promo code JUNEFREE at checkout.

JULY FREE E-BOOK

In July, IEEE-USA E-books will offer "The Best of Backscatter from Today's Engineer – Volume 3," by Donald Christiansen

Topics that have concerned (and sometimes perplexed) engineers for years include how to manage careers, the future of the profession, and how the general public views the role of engineers.

IEEE-USA E-books seek authors to write an e-book or e-book series on career guidance and development topics. If you have an idea you think will benefit members in a particular area of expertise, please email your proposal to IEEE-USA Publishing Manager Georgia C. Stelluto at [g.stelluto@ieee.org](mailto:g.stelluto@ieee.org) and IEEE-USA E-Book Chair Gus Gaynor at [g.gaynor@ieee.org](mailto:g.gaynor@ieee.org).

IEEE-USA serves the public good and promotes the careers and public policy interests of more than 200,000 engineering, computing and technology professionals who are U.S. members of IEEE.

Web: [www.ieeeusa.org](http://www.ieeeusa.org)

Facebook: [www.facebook.com/ieeeusa](http://www.facebook.com/ieeeusa)

Twitter: [www.twitter.com/ieeeusa](http://www.twitter.com/ieeeusa)

Join IEEE: [www.ieee.org/join](http://www.ieee.org/join)

Contact: Sharon C. Richardson, Coordinator  
IEEE-USA Communications & Publishing  
Phone: 1 202 530 8363  
E-mail: [s.richardson@ieee.org](mailto:s.richardson@ieee.org)

## IEEE Mentoring Program

IEEE MentorCentre is the online mentoring platform for IEEE. This is a valuable resource for IEEE members seeking a professional mentoring partnership. That means all the best practices you have come to expect from an IEEE mentoring program are in place, with ample opportunity to enter a unique mentoring partnership not found anywhere else.



What you will find with IEEE MentorCentre:

- The ability to connect with mentors based on specialized areas of practice, experience, IEEE Societal affiliation and more;
- Opportunities to give back to the profession by registering as a mentor;
- Additional fields to narrow down the preferred profile of the mentor, and;
- Improved mentor controls allowing them to control how they are viewed in the system.

Participation in the program is voluntary and open to all IEEE members above the grade of Student member.

[Access IEEE MentorCentre](#)

## GoogleApps@IEEE Now Available to IEEE Members

GoogleApps@IEEE is a suite of products offered to IEEE members to enhance peer-to-peer communications and collaboration. The suite of applications includes e-mail, calendaring, contacts, and document sharing along with other collaborative tools. 30G of available cloud storage memory is available for these applications. Learn more about <http://www.ieee.org/googleapps>

GoogleApps@IEEE is available to members at no additional cost, bringing access to:

- A unique IEEE e-mail address (e.g., [John.A.Doe@ieee.org](mailto:John.A.Doe@ieee.org));
- Mail forwarding or e-mail inbox (Gmail);
- 30-gigabytes of shared storage (Gmail and Google Drive);
- 99.9 percent up time guaranteed by Google;
- Advertisement-free Gmail;
- Files stored in the cloud for easy sharing and access from anywhere via Google Drive.