The Valley Megaphone

Newsletter of the Institute of Electrical and Electronics Engineers, Inc., Phoenix Section

August, 2015

Volume XXIX, Number 8

Executive Committee 2015

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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 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
pturaga@asu.edu

Computer Society
Jerry Crow
jerry.crow@computer.org

CPMT Society
Mahesh Shah
480-544-9438
mkshah@ieee.org

Education Chapter
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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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Rickie.Currens@att.net

Waves & Devices Society
Steve Rockwell
steve.rockwell@ieee.org

Life Members
Les Daviet II
lesdavietii@cs.com

Women In Engineering
Shamala Chickamenahalli
shamala.chickamenahalli@intel.com

Young Professionals
Jennifer Taggart, 928-581-5198
jennifer.taggart@asu.edu

The Valley Megaphone is the newsletter of the Phoenix Section of the Institute of Electrical and Electronics Engineers. It is published monthly and reaches about 4000 members. Submit articles, advertisements, and announcements to Surinder Tuli at the above email address. Deadline for announcements and advertisements is the third Friday of the month prior to publication. Advertising Rates: Full page: $200, 3/4page: $125, ½ page: $75, 1/3 page: $50, 1/4 page: $25. Change of address/email? Call toll free 1-800-678-IEEE. Please allow 6-8 weeks. Section Web Page is http://sites.ieee.org/phoenix/

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
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

Student Branches

ASU Main, Engineering
Chair: Phoebe Henson
480-888-6396,
pghenson@asu.edu
Advisor: Cihan Tepedelenlioglu,
480-965-6623, **cihan@asu.edu**

ASU Main, Computer Society
Chair: TBD
Advisor: Guoliang Xue
480-965-6218, **xue@asu.edu**

ASU Polytechnic
Chair: Josh Carrol
jkcarrol@asu.edu
Advisor: : Dr. John M. Parsey, Jr.,
480-727-5279
John.Parsey@asu.edu

DeVry, Phoenix – Computer Society
Chair: TBD
Advisor: Roger S. Gulledge
602-749-4586
rgulledge@devry.edu
Advisor: Deanna Davis
602-749-4500
ddavis1@devry.edu

DeVry, Phoenix – Engineering
Chair: Hannah Sprague
602-749-4518
hspragueIEEE@gmail.com
Advisor: Deanna Davis
602-749-4500
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Advisor: Roger S. Gulledge
602-749-4586
rgulledge@devry.edu

NAU, Engineering
Chair: Jeremy Johnson
Advisor: Niranjan Venkatraman
v.niranjan@ieee.org

Embry-Riddle, Prescott
Chair: Lisa M. Ferguson
FERGUSL2@my.erau.edu
Advisor: John E. Post
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 and search for positions at Prescott.
Contact Professor Post at john.post@erau.edu for further information.

Update from DeVry Phoenix-Engineering Student Branch

The DeVry University IEEE Student Branch was happy to host the IEEE Computer Society Phoenix Chapter bi-monthly meeting in August. We look forward to hosting more of these meetings in the future. The student branch has begun planning an exhibition for the 2015 Arizona State Fair. This will be a S.T.E.M. display and series of workshops, sponsored by the Student Branch and DeVry University. We are tripling the size of the exhibit we had at last year's Fair. 2014 focused on projects from DeVry's Senior Project Fair and grade school through high school student projects. This year we will add several hands-on workshops that will run Friday-Sunday every weekend while the fair is open. Currently there are five workshops planned: PC Maintenance & Repair, Game-simulation Programming, Hackfest, Cyber security for the home user, and Basic Electronic circuits. We hope to draw attention to the S.T.E.M. disciplines and encourage young adults to pursue education and careers in these expanding fields.

Hannah Sprague
Chair, IEEE DeVry Student Branch
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

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 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.

IEEE Components, Packaging and Manufacturing Technology Society Phoenix Chapter

2015 Executive Committee for CPMT Chapter for IEEE-Phoenix Section

Position	Name	Phone Contact	Email Contact
Chair	Dr. Mahesh K. Shah	(480) 544-9438	mkshah@ieee.org
Asst. Chair	Mr. Vivek Gupta	(480) 734-2366	vmgupta@msn.com
Secretary	Dr. Rao Bonda	(480) 786-7749	r.bonda@ieee.org
Treasurer	Dr. Vasudeva P. Atluri	(480) 227-8411	vpatluri@ieee.org
Program Chair	Mr. David Dougherty	(480) 245-8099	david.dougherty@freescale.com
Asst. Program Chair			
Tutorial Chair	Dr. Shawn Shi	480-929-5614	Songhua.Shi.2011@ieee.org
Asst. Tutorial Chair			
Workshop Chair & Publicity	Dr. Vasudeva P. Atluri	(480) 227-8411	vpatluri@ieee.org
Website Co-Chair	Bharat Penmecha	(480) 552 2511	bharat.penmecha@ieee.org
Website Co-Chair	Huiyang Fei	(480) 552 4966	Huiyang.H.Fei@ieee.org

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 22, 2015	In Preparation for Retirement: Plan Early and Plan Often!	Gregory Wojak
August	No seminar for August	
September 23, 2015	High Density Interconnect Substrate Design Rules (Abstract & Speaker Information will be posted soon)	Terry Regan, TTM Technologies
October		
November 18, 2015	Film Assisted Molding	John Crane, Boschman Technologies
December		

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
August, 2015

News

- The chapter meeting dates and venues for the remainder of 2015 are listed below:

I

  - August 5th — DeVry University, Phoenix campus
    Speaker: Dr. Bill Curd, presentation "Cyber Privacy"
  - October 7th — ITT Technical Institute, Phoenix campus
    Speaker: TBD
  - December 2nd — ITT Technical Institute, Tempe campus
    Speaker: Mark Goldstein, presentation "The Internet of Things"

Meetings are held from 6:00 pm to 9:00 pm on the first Wednesday of the even numbered months.

August Meeting

Our next chapter meeting will be held on Wednesday, August 5, 2015, at DeVry University, Phoenix Campus. The meeting will begin at 6:00 pm with light refreshments and networking in the meeting room followed by the presentation described below at 7:00 pm. DeVry University is located at 2149 W Dunlap Avenue, Phoenix (a mile east of I-17 on Dunlap). The room number for the meeting will be posted near the entrance to the courtyard, but is expected to be 104 in the south hall of the building.

Our speaker at this meeting will be Dr. Bill Curd, who is well known in the Phoenix IT security universe. The topic will be Cyber Privacy. To wit:

Our own Dr. Bill Curd will be speaking on "Cyber Privacy":
- What is "privacy"
- Example private-sector and public-sector encroachments
- Advancing technologies and Internet surveillance
- Hopefully, a few techniques for protecting it; and for violating it

As always, he promises to spice up his time with something extra. Time permitting he may also talk about related professional certifications and associations in town.

Bill has been a pioneer in cyber security, computer system and network engineering for decades. As president of Synesys Group, he offers boot camps, workshops, webinars and talks on cyber security, privacy, governance-risk-compliance, professional effectiveness, and national security intelligence and investigations.

He has numerous professional certifications including CISSP-ISSMP/ISSAP, CRISC, CISA, C|CISO, CGEIT, GCFA Gold, CIPP, SMSP and CISM; and affiliations including HTCIA, CSA, SDSUG, ISACA, IEEE, ISSA, US Secret Service Electronic Crime Force, FBI InfraGard and

the FBI Citizens' Academy. He attended 8 universities-colleges, with 4 majors, earning 4 degrees including a PhD in electrical engineering. He has taught at several universities.

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:

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

58th ANNUAL IEEE-PES PHOENIX FUNDRAISING GOLF TOURNAMENT

October 10th 2015

Be sure to join us at the Legacy Golf Club, located at 6808 South 32nd Street, for a 1:15 PM Shotgun Start. The course is located 10 Minutes south of Sky Harbor Airport.

This is the annual fundraiser for your IEEE-PES Chapter. The fee is $100 per player or $400 to sponsor a foursome. Be sure to come early and stay late as there will be free range balls beforehand and dinner afterwards. Cash prizes awarded for first place, second place, and third place teams. There will also be a Raffle, Skills Games, and Giveaways Galore.

Use this sheet to sign up either individually or for your team. You can either:

- **Print out and complete, then mail the form with your payment**
- **Return this form electronically (distribution@gorman-co.com) and then send your payment.**
- **Send payments to:** **IEEE-PES**
  c/o Gorman Company
  4819 35th Street
  Phoenix AZ 85040

You will be notified via email that your payment has been received and you are registered to participate. If you have any questions, please feel free to call us at (602) 470-0400.

Please provide all requested information, including email addresses for all team members.

TEAM/SPONSOR_____

Player _____ **Dinner?**

Email_____

Player _____ **Dinner?**

Email_____

Player _____ **Dinner?**

Email_____

Player _____ **Dinner?**

Email_____

Additional Dinner Guests: _____

To minimize waste and extra costs, we would like your help getting an accurate dinner count.

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

WAVES AND DEVICES

PHOENIX CHAPTER

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

2015 Event Calendar

Chapter Chair: Steve Rockwell steve.rockwell@ieee.org
Chapter Vice-Chair: Trevor Thornton t.thornton@asu.edu

Date	Venue	Topic / Title	Speaker	Affiliation	IEEE Society
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 Steeenberger	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:

Steve Rockwell (WAD Chapter Chair) (480) 241-9891 steve.rockwell@ieee.org
Curtis Scott (WAD Chapter Publicity) (623) 703-9177 curtiscott@gmail.com

Phoenix Section Life Member Affinity Group

Technical & Administrative

Meeting October 20, 2015

Program Presentation: Patent Basics for Engineers

The business model behind the genius of the patent concept will be discussed and a short history of the United States Patent and Trademark Office will be provided as background. A patent will be defined and a discussion of who can write patents, and an explanation of the distinction between a patent agent and a patent attorney. Next, a discussion of the key parts and types of patents with emphasis on utility patents. Examples will be provided to explain some of the legal jargon such as enabled disclosure, indefinite language, obviousness and prior art. Finally, a short survey of the patent prosecution process and who is an inventor and the duties of the inventor.

The Presenter: Gary Malhoit
Gary is a Senior Engineer in the Power Quality Group of SRP. Prior to coming to SRP, Gary's career included working in various engineering positions at NCR, Bechtel and Motorola. While at Motorola nearly 20 years, he wrote numerous technical articles for Motorola's Silver Quill program and was on the original working group of SEMI F47 for voltage sag immunity. Gary is currently a member of the IEEE 1668 working group for testing electrical equipment. Gary has a BS in electrical engineering from of the University of Tennessee and an MBA from the University of Memphis. He is a registered electrical engineer in Arizona and licensed to prosecute patent cases before the United States Patent and Trademark Office.

NOTE MEETING STARTS AT 11 AM

Meeting Agenda:

11AM: Attendee introductions
11:15 AM: Program Presentation
New officer's report.
Program chairs will review the results of survey taken to determine LM interests for technical presentations.
Continued discussion of LMAG program for student assistance and possible scholarship program for HS students.
Administration Meeting.

Where: SRP's **PERA Club** Bighorn Room,
1 East Continental Drive, Tempe, AZ
Continental is West of 68th St., ½ mile south of McDowell Road
Enter the Private PERA Club and follow drive to large parking lot. Big Horn Room is the most South east building off parking.

When: Tuesday, **October 20, 2015 - 11:00am – 1:00pm**, Registration fee is $15. This fee will include lunch provided by the PERA Club.

Lunch: TBD

RSVP: Please advise Ronald Sprague r.sprague@ieee.org if you plan to attend so accounting for lunch is possible.

Technical Presentations: The Program Chairs are seeking suggestion from members for future presentations. Any ideas of interest to LM are open for consideration. Please contact Ronald Sprague or Barry Perlman Program Chairs at r.sprague@ieee.org and/or barry.perlman@gmail.com.

About IEEE Phoenix Section Life Member Affinity Group: The IEEE Phoenix Section Life Member Affinity Group was organized to enable IEEE Life Members to retain active IEEE associations, contribute to the social good in their communities, advance IEEE's professional interests and enjoy each other's company.

Activities: Technical meetings scheduled the 3rd Tuesday of February, May, October, and December. Elections are held at the December meeting.

Future Technical Meetings: All meeting are scheduled at the SRP PERA CLUB. It is suggested you put these dates on your calendar to attend the meetings.

- Tuesday October 20, 2015
- Tuesday December 15, 2015

Officers:

Chair	**Leslie Daviet II**	**lesdavietii@cs.com**
Vice Chair	**Jim Tang**	**JFTANG@cox.net**
Secretary	**Tom Lundquist**	**tom.lundquist@ieee.org**
Treasurer	**Leslie Daviet II**	**lesdavietii@cs.com**
Membership	**Rao Thallam**	**Rao.Thallam@gmail.com**
Program	**Ron Spraque**	**r.sprague@ieee.org**
	Barry Perlman	**barry.perlman@gmail.com**
Volunteer	**Gary Frere**	**gary.frere@gmail.com**
Past Chair	**Barry Cummings**	**abarrycummings@gmail.com**

IEEE youngprofessionals

Come join fellow Phoenix YP engineers for game nights!

Whether you are interested in team trivia nights or stealing your fellow engineer's resources in Catan, come join us after work! Socialize with fellow young engineers and expand your social and professional network while attempting to remember the name of the fourth U.S. state capital in alphabetical order. Check out our Facebook page for a schedule of events. Like our page to be notified of future events!

https://www.facebook.com/phxieeeyp

Looking for small business owners who want to connect with ASU students

ASU will be hosting their annual engineering career fair the week of October 5th. Last year YP Phoenix and the ASU Student Branch organized a dinner that connected ASU engineering students with hiring managers at Intel, Chrysler, Texas Instruments, EII, and Kimley-Horn. This year we are looking for small businesses interested in hiring ASU students. The dinner/mixer will be held on ASU campus prospectively on Oct. 9th at around 5 pm. We ask that those interested contact Jennifer Taggart (Jennifer.taggart@asu.edu) for more information.

Phoenix YP Executive members:

Chair: Jennifer Taggart (jennifer.taggart@asu.edu)
Vice Chair: Nick Spirakus (nickspirakus@gmail.com)
Secretary: Harshad Surdi (hsurdi@asu.edu)

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 for eligibility.

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

IEEE Phoenix Section Nomination of Officers for 2016

Have you been looking for a way to volunteer with IEEE? Have you wondered how you could influence how the IEEE Phoenix Section supports and contributes to its members?

Opportunity is knocking as the IEEE Phoenix Section is seeking nominations for the following elected Section officer positions for the 2016 term:

- Chair
- Vice Chair
- Secretary
- Treasurer

In addition, the Nominating Committee is seeking candidates for some of the following non-elected, appointed standing committee Chair positions for the 2016 term:

- Publicity
- Membership
- Student Activities
- Conferences
- Awards
- Inter-Society
- PACE (Professional Activities Committee for Engineers)
- TISP (Teacher In-Service Program)
- ASL (Arizona Science Lab)
- Web Master

Section officers must be IEEE members. Self-nominations are acceptable and encouraged.

Please send nominations or any questions to any member of the Nominating Committee:

- Barbara McMinn (Chair) barbara.mcminn@aps.com
- Rickie Currens rickie.currens@att.net
- Mike Andrews m.andrews@ieee.org

Deadline for nominations is August 31, 2015.

We hope all interested parties will take this opportunity to become more involved with the IEEE Phoenix Section and help us continue to improve our member support. Thank you.

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 LinkdIn page by clicking button on the IEEE Phoenix Section home page

IEEE Phoenix Section Ventures into Social Media

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 your 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. Please contact IEEE Phoenix Section Membership Development Chair, Dr. Vasudeva P. Atluri, at vpatluri@ieee.org for additional information.

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.

IEEE Member's Benefits

Member Discounts

Plan for the Future and Live for Today

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That is why we are pleased to announce that you now have access to ***my*Financial Wellness for IEEE Members**, a new program available in the U.S.

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you still can benefit from financial planning. At *my*Financial Wellness for IEEE members, you can benefit from no-cost educational resources, financial tools, and credentialed financial advisors to help you get your financial plans in shape.

To learn more about *my*Financial Wellness, and how it can help you, register today for an upcoming webinar:

- Inside *my*Financial Wellness
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- WealthView: Your Personal Financial Web site
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Car Rental Discount

Before hitting the road on your summer vacation, find out how you could save on car rental from Alamo Rent A Car® and National Car Rental®. Through this program, IEEE members can save up to 20% and enjoy additional offers.*

Visit Alamo Rent A Car or National Car Rental to book a car now.

* Terms and conditions apply. Where available.

Refer a Colleague, Get Great Merchandise!

In conjunction with IEEE-USA, IEEE is excited to continue this special offer for US 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

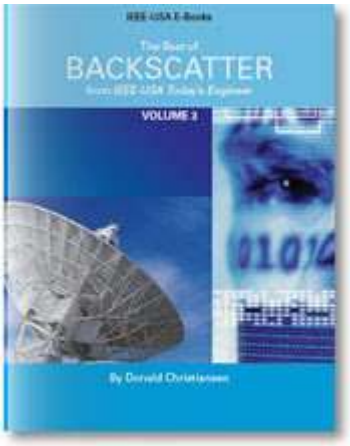
Members remain eligible to receive incentives through the existing IEEE Member-Get-a-Member (MGM) program. How it works:

- 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!

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

As a special benefit of IEEE membership through 15 August, IEEE-USA is offering a free eBook, ***The Best of Backscatter from Today's Engineer – Volume 3***, by Donald Christiansen.



The Best of Backscatter eBooks are composed of articles that were originally published in the *IEEE-USA Today's Engineer Online*.

In Volume 3, Christiansen covers topics that have concerned (and sometimes perplexed) engineers for years, if not decades. Among them are how to manage careers, the future of the profession, and how the general public sees the role of engineers.

Some of the article titles included are:

Make or Buy, which discusses some of the factors an engineering team may face when deciding what hardware and software it will recommend making or developing in-house, as opposed to outsourcing it.

Math...What Good Is It? probes the question many grade-school kids are said to be asking. Unlike students of an earlier generation, Christiansen writes, "they find math exercises boring, because they see no connection to the real world."

The Mouse that Wouldn't Quit recounts the story of *IEEE Spectrum's* Amazing MicroMouse Maze Contest. It originated in 1977, and has since given rise to an international phenomenon.

In his own "Andy Rooney"-like way, Donald Christiansen brings life to his Backscatter articles with eye-catching titles and humorous quotes. The columns are informative, and most of all, thought-provoking.

Members can download *The Best of Backscatter from Today's Engineer – Volume 3* for free through 15 August 2015. Sign in with your IEEE Account, add the book to your Cart, and enter the promo code **JULYFREE** at checkout.

In August, the IEEE-USA free eBook will be *Work-Life Balance – Book 2*, written by Peggy Hutcheson. This free eBook explores work-life balance, with regard to career stages -- young professional, mid-career and late career.

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
- 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

IEEE ResumeLab

IEEE members have a powerful tool to help gain a competitive edge in the employment process. IEEE ResumeLab is an online service thatallows IEEE members to develop a resume or*curriculum vitae* using specialized tools tailored for each step of the job seeking process. This product is added to the list of offerings that assist members as they find jobs and develop their careers.

IEEE ResumeLab is designed with a series of modules that assist the member through the employment process. Key modules and features include:

- **Resumes** - Select from a wide array of templates geared toward specific industries, sectors and work experience stages.
- **Letters** - From cover letter to post-interview thank you letter, ensure optimal communication throughout the hiring process.
- **Skills Assessment** - Highlight the skills you possess, your competency in those skills, and what makes your experience with these skills unique.
- **Mock Interviews** - Prepare for the real thing by selecting an interviewer and the type of questions they'll ask. Choose to record your interview for evaluation and feedback.
- **Video Resumes** - Record custom video messages for potential employers.
- **Portfolios** - Upload and organize your past work to present to potential employers.
- **Share Online** – Publish and share everything you create on a publicly viewable Web site.

Access IEEE ResumeLab

IEEE in 2030 Challenge Seeks Proposals for Innovative Projects

IEEE has launched the IEEE in 2030 Challenge with the goal of finding innovative, creative, and potentially disruptive approaches that will help engineers and technical professionals working in industry. The IEEE New Initiatives Committee will be awarding small seed grants (US$40,000 or less) to those projects that are selected.

Applications may be submitted by one or more IEEE members or organizational units, individually or in cooperation with an IEEE staff group. The proposals will be based on their potential to lead to new IEEE products, services and communities, and have a significant impact on the overall organization.

The deadline for receiving proposals is 1 p.m. EDT (17:00 GMT) on 24 August 2015. Notification of the proposals' acceptance or rejection will be made on 6 October (IEEE Day).

Find out more information or submit a proposal.

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