

The Valley Megaphone

Newsletter of the
**Institute of Electrical and
Electronics Engineers, Inc.,
Phoenix Section**
April 2013,
Volume XXVII, Number 4



Executive Committee 2013

Chair

Charles Weitzel, 480-292-0531
c.weitzel@ieee.org

Vice Chair

Barbara McMinn 602-371-6383
barbara.mcminn@aps.com

Secretary

Bruce Ladewig, 480-620-9291
bruceladewig@ieee.org

Treasurer

Surinder Tuli, 480-554-8275
Surinder.tuli@gmail.com

Past President

Ralph Hogan, 480-774-8227
rhogan@ieee.org

Publicity

Mahesh Shah, 480-544-9438
mkshah@ieee.org

PACE

Vivek Gupta, 480-734-0266
vmgupta@msn.com

Membership

Vasudeva P. Atluri,
480-227-8411
vpatluri@ieee.org

Student Activities

S.Diane Smith, 602-749-4601
sdianesmith@computer.org

Conferences

Brad Morantz, 480-348-5945
bradscientist@ieee.org

Awards

Vasudeva P. Atluri,
480-227-8411
vpatluri@ieee.org

Inter-Society

Mike Andrews, 480-991-1619
m.andrews@ieee.org

Webmaster

Krishna Bharath 480-552-8913
kbharath@ieee.org

In this Issue of the Valley Megaphone: Table of Contents

U – News	2
Student Branches	3
New Senior Members	4
Upcoming Conferences.....	5
Signal Processing & Communications Society	6
CPMT Phoenix Chapter.....	7
Power & Energy Society.....	8
Solid State Circuits Society.....	9
IEEE EMC Society.....	10
Life Member Affinity Group.....	11
Women in Engineering Affinity Group.....	12
Computer Society	14
Wave and Devices.....	15
IEEE Gold	16
2012 IEEE Phoenix Section Calendar	17
Phoenix Section Executive Committee Meeting.....	17
IEEE Membership Grade Advancement	18
Enhanced Senior Member Application Launched..	18
EE Job Opening	19
Phoenix Section LinkedIn Group.....	16

IEEE Phoenix Section on-line updates can be found at <http://ewh.ieee.org/r6/phoenix/> and on LinkedIn at: <http://www.linkedin.com/groups?gid=2765918>

Please send announcements for the *Valley Megaphone* to Mahesh Shah at mkshah@ieee.org for inclusion in the Section Calendar.

The IEEE Banquet pictures are up, see <http://ewh.ieee.org/r6/phoenix/index.php>

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

Vasudeva P. Atluri
480-227-8411
vpatluri@ieee.org

Education Chapter

Martin Reisslein, 480-965-8593
reisslein@asu.edu

EMBS Chapter

TBD

EMC Society

Harry Gaul, 480-441-5321
harry.gaul@ieee.org

GOLD

Shafiu "Jacky" Islam 520-245-9010
shafiu.islam@intel.com

Power & Energy Society

Kory Hedman
Kory.Hedman@asu.edu

Solid State Circuits

Cyndi Recker
cyndi.recker@ieee.org

Teacher-In-Service

Rickie Currens
Rickie.Currens@att.net

Waves & Devices Society

Steve Rockwell
steve.rockwell@ieee.org

Life Members

Rao Thallum
rao.thallum@gmail.com

Women In Engineering

Shamala Chickamenahalli
shamala.chickamenahalli@intel.com

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

Student Branches

ASU Main, Engineering
Chair: Ahmet Durgun,
480-371-7743, adurgun@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: TBD
Advisor: TBD

DeVry, Phoenix
Chair: Lori Renaldi
lorirenaldi@computer.org

Advisor: Diane Smith
dsmith2@devry.edu

DeVry, Computer Society
Chair: TBD
Advisor: Diane Smith
dsmith2@devry.edu

NAU, Engineering
Chair: TBD
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

ASU Polytechnic is currently seeking Advisor for the Student Branch. Please email Diane (at email address above) with Recommendations.

Start your own MicroMouse and compete for cash prizes!

The Section has a full tournament sized MicroMouse maze. Funding for your project may be available. For details contact the Section Student Activities Chair, S. Diane Smith
sdianesmith@computer.org

- View pictures from the MicroMouse contest at the Southwest Area Spring 2010 meeting at <http://picasaweb.google.com/ieeegoldphx/2010IEEEESWASpringMeeting> (photography by David Huerta, GOLD Affinity Group Chair)

The Embry-Riddle Aeronautical University IEEE Student Chapter would like to send an update of their activities in the month of March. We held our first monthly meeting, but due to a scheduling conflict, only four members were able to attend. Our next meeting will be in April and scheduled at a different time to allow for greater attendance. At the meeting we discussed arranging a tour of an electronics/aeronautics company for our members, asking one of the engineering faculty to give a talk, and volunteering as a club around campus and in the community. On March 24, the club volunteered at the Super Sonic Science Day hosted at Embry-Riddle. The club set up two experiments; one creating batteries out of potatoes and the other about non-Newtonian fluids. Overall, it was a successful event. The ERAU IEEE Student Chapter is working to increase its presence on campus and hopes to have more activities in April.

Sincerely,

Lisa Ferguson
ERAU IEEE Student Chair
Electrical Engineering
Class of 2016



NEW PHOENIX SECTION SENIOR MEMBERS

I would like to congratulate the new IEEE Senior members from the Phoenix Section. The election was held at the IEEE Board Meeting in February:

**James Abbas
Sanket Adhikari
Devarajan Balaraman
Daren Bridges
Thomas La Rose
Mirembe Musisi-Nkambwe**

If you are an IEEE member with at least 10 years career experience, you too may qualify for election to Senior member.

**For more information contact Chuck Weitzel at:
c.weitzel@ieee.org**

or

For detailed Senior Grade Requirements see:

http://www.ieee.org/membership_services/membership/senior/senior_requirements.html



Upcoming Conferences

April 2013 is a very busy month for Academic conferences in Phoenix.

April 17-19 is the 12th Annual Wireless Telecommunications Symposium Technical co-sponsor is IEEE Communications Society Technical Committee on Communications & Information Security

It will be held at
the Ocotillo Golf Resort
3751 S. Clubhouse Drive
Chandler AZ USA 85248

Web site is www.csupomona.edu/wtsi

April 22-24 is the 20th Annual IEEE International Conference and Workshops on the Engineering of Computer Based Systems (ECBS)

It will be held at
Skysong
Scottsdale Rd at McDowell
Scottsdale

website is <http://cps-vo.org/ecbs2013>

April 29 to May 1 is the Sixteenth International Conference on Artificial Intelligence and Statistics

It will be held at
DoubleTree Paradise Valley Resort
5401 N. Scottsdale Rd.
Scottsdale, AZ, USA 33316

website is <http://www.cs.utexas.edu/~aistats/>

if you know of any upcoming conferences, please submit the information to Bradscientist@1eee.org, IEEE Phoenix Conference Chair.

Signal Processing & Communications Society

Phoenix Chapter of IEEE Signal Processing Society and
Communications Society



We look forward to the upcoming lecture:

Speaker: **Shrikanth (Shri) Narayanan**

Date: April 22nd 2013

Andrew Viterbi Professor of Engineering, University of Southern California

Title: Behavioral Signal Processing: Possibilities and Opportunities for Informatics

Tentative Location: Goldwater Center, GWC 487, ASU Campus

Also, please check out the following call for papers

TWELFTH ANNUAL WIRELESS TELECOMMUNICATIONS SYMPOSIUM (WTS 2013)

April 17-19, 2013, Phoenix, Arizona USA

Technical Co-Sponsor: IEEE Communications Society

Call for papers WTS 2013 can be found at www.csupomona.edu/wtsi

WTSI General Chair: Steven Powell

Please contact Chapter Chair Pavan Turaga (pturaga@asu.edu) to volunteer or propose a speaker for upcoming meetings.



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

Wednesday, April 17th, 2013 at 6 PM

**US Patent Law Changes – America Invents Act
S Jared Pitts**

Registered Patent Attorney, Griffiths & Seaton PLLC, Mesa, AZ 85215

ABSTRACT:

On March 16, 2013, America Invents Act went into effect, which fundamentally changes the US Patent law. The presentation will provide an overview of the recent changes in US Patent Law resulting from the America Invents Act. This will include a discussion on the changes from a “first to invent” system to a “first inventor to file” system. Also included will be a discussion of changes to the grace periods for public disclosures and the effects of sales and offers to sale on patent rights.

BIOGRAPHY:

Jared Pitts graduated with a BS in Electrical Engineering and J.D. from Brigham Young University. He has practiced intellectual property law since 1995. In his practice he has prepared and prosecuted US, PCT, EP and other patent applications in a variety of technologies, including electrical device, software, and semiconductor fabrication. He has also prepared and reviewed non-infringement and invalidity opinions and provided a variety of licensing and litigation support.

Date: Wednesday, April 17th, 2013

Location: Group Conference Room, Freescale Semiconductor, Inc., 2100 E. Elliot Rd. Tempe, AZ. There are new signs on the property (Discovery Business Center). Enter the facility through the Main (South) Lobby in building 94 and sign in with Security. You will be escorted to the meeting room.

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

IEEE members and non-members are all welcome to attend. Those who plan to attend should be at the facility entrance no later than 6:00 pm, as there will be no escorts available after that.

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

Vasu Atluri (480) 227-8411
Vivek Gupta (480) 252-8493
David Dougherty (480) 413-6923

Devrajan Balaraman (480) 619-0944
Mahesh Shah (480) 544-9438
Surinder Tuli (480) 554-8275

Power & Energy Society



IEEE Power and Energy Society
Phoenix Chapter

<http://ewh.ieee.org/soc/pes/phoenix/>



News and Announcements:

- Want to know more about IEEE Power and Energy Society? Watch this video:
 - http://www.youtube.com/watch?v=BRKM4lpo_tk
 - More videos are available at:
<http://ieee-pes.org/outreach/pes-informational-promotional-videos>
- Have you considered becoming a Senior Member of IEEE? It's not as difficult as you think. Basically, you need ten years of professional experience, and your bachelor's degree counts for three of those years. Find out more at:
http://www.ieee.org/membership_services/membership/senior/index.html

April 2013 Luncheon Meeting

Date: Friday, April 19, 2013
Time: 9:30 am - 10:30: Registration
10:30 am – 11:30 am: Program
11:30 am: Lunch
Location: Arizona State University
Old Main, Carson Ballroom (3rd floor)
Tempe, AZ
Details/Map: http://ewh.ieee.org/soc/pes/phoenix/ASU_PES_Seminar_Flyer_Update.pdf
Speaker: Dr. Sakis Meliopoulos, Georgia Institute of Technology.
Topic: Analyzing geomagnetic disturbances and their impact on power systems operations
Cost: No Cost (Attendees will have to cover the cost of parking)
Reservations: **Reservations are required!**
Contact Nicole at (602) 470-0400 or submit your name here:
<http://ewh.ieee.org/soc/pes/phoenix/lunch.php>
The reservation deadline is NOON on Friday, April 12, 2013.

Solid State Circuits Society



INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS



Seminars are Free & Open to Non-IEEE Members

Topic – To be announced

**Dr. Jennifer Kitchen – Arizona State University April 3, 2013 12pm to 1 pm
ASU GWC 487**

Jennifer Kitchen joined ASU as an Assistant Professor in August of 2012. She received her Ph.D. degree in electrical engineering at Arizona State University in May of 2007, where she specialized in efficiency enhancement and linearization techniques for RF power amplifiers in wireless transmitters. During her graduate studies, Jennifer was a National Science Foundation Graduate Fellow, and a Semiconductor Research Corporation Master's Scholar.

While at ASU, from 2003-2006, Jennifer worked for the RF power amplifier handset product group at Motorola, Inc., and Freescale Semiconductor. In 2007, Jennifer became the Arizona Design Center Manager for a startup company, Ubidyne, Inc., that aims to revolutionize wireless basestations by producing a digital antenna-embedded radio solution. In 2009, Jennifer joined ViaSat, Inc., as head of an IC (Integrated Circuit) design team within the Advanced Microwave Product Group. Her group focused on designing low-power integrated transceivers for SATCOM; among other chipsets for military applications.

Kitchen's research focuses on improvements in efficiency and power management for high-frequency circuits and systems. She is using exotic materials such as gallium to create high-efficiency power management systems for solar arrays and batteries. She is also working on a higher level of integration, bringing greater functionality on a single integrated circuit.

Co-sponsored with ASU Connection One

SSCS-PHX Chapter Website: http://www.ieee.org/go/sscs_phx

Contact: Cyndi Recker (cyndi.recker@ieee.org), SSCS-PHX Chapter Chair

EMC Society



New Updates coming soon



Phoenix Section Life Member Affinity Group

Technical Meeting May 14, 2013

Topic: TBD

When: Tuesday, May 14, 2013 11:00am – 1:00pm, Registration fee is \$15. This fee will include lunch provided by the PERA Club.

AFFINITY GROUP MEETING

Where: SRP's **PERA Club** Bighorn Room,
1 East Continental Drive, Tempe, AZ
West of 68th St., ½ mile south of McDowell Road

RSVP: Please respond to Program Chair, Ronald Sprague by email:
r.sprague@ieee.org at least 5 days before the meeting.

The Program Chair is seeking suggestion from members for future presentations. Any ideas of interest to LM are open for consideration. Please contact Ronald Sprague Program Chair at r.sprague@ieee.org or any officer with ideas.

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. For more details use the link

http://www.ieee.org/web/volunteers/mga/home/life_members_committee/index.html

Activities: Annual technical meetings scheduled in February, May, October, and December. Elections are held at the December meeting.

Future Technical Meetings:

- Tuesday, May 14, 2013 SRP PERA CLUB
- Tuesday, October 15, 2013 SRP PERA CLUB
- Tuesday, December 3, 2013 SRP PERA CLUB

Officers:

Chair	Rao Thallum	Rao.Thallum@gmail.com
Vice Chair	Michel Ebertin	Michel@ebertin.net
Secretary	Tom Lundquist	Tom.Lundquist@ieee.org
Treasurer	Leslie Daviet II	lesdavietii@cs.com
Program	Ronald L. Sprague, P.E.	r.sprague@ieee.org
Past Chair	A. Barry Cummings	Barry.Cummings@srpnet.com



IEEE Phoenix Section
Women in Engineering
Affinity Group



The IEEE Phoenix Section **Women in Engineering (WIE) Affinity Group (AG)** will be meeting on **April 23, 2013**, at the Engineering Research Center Room 490 at **Arizona State University (ASU)**. Professor Jenni Si from the ASU Department of Electrical Engineering will be giving a technical presentation on "Neural Computing in the Brain Associated with Trial-and-Error Learning."



Dr. Si received her B.S. and M.S. degrees from Tsinghua University in Beijing, China and her Ph.D. from the University of Notre Dame. She has been on the faculty of ASU since 1991. Her research focuses on dynamic optimization using learning and neural network approximation approaches, namely approximate dynamic programming. There will be a meet and greet with refreshments at 5:00 pm, followed by Dr. Si's presentation at 5:30 pm. To register for the meeting and for more information, please click on the following link:

https://meetings.vtools.ieee.org/meeting_view/list_meeting/17924.

EWeek/Month Report



During Engineers week in Feb, one WIE engineer visited a Phoenix school and conducted engineering experiments with 7th graders and on Feb 27th two engineers visited a Phoenix elementary school and spoke about engineering and on March 6th, two WIE engineers visited a Phoenix school and assisted third and fourth graders with engineering projects. Thank you to our volunteers for giving their time to encourage the next generation of engineers!

If you would be interested in helping to organize any of our activities or have suggestions for future events, please feel free to contact any of our Executive Committee members:

Chair: Shamala Chickamenahalli (Shamala.Chickamenahalli@intel.com)

Vice-Chair: Joy Harris (joyelle.j.harris@intel.com)

Secretary / Publicity: Diane Watkins (diane.watkins@srpnet.com)

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

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

Membership: Lesley Polka (lesley.a.polka@intel.com)

Region 6 Liaison: Barbara McMinn (barbara.mcminn@aps.com)

If you would like to be added to our distribution list for this or future events, please contact Diane Watkins (diane.watkins@srpnet.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.

CENTER FOR
LEADERSHIP IN LEARNING



GIRLS IN STEM Forum

MAY 18, 2013

10 A.M. – 2:30 P.M.

**THIS EVENT IS SPECIALLY DESIGNED
FOR ALL 4TH-8TH GRADE GIRLS &
THEIR FAMILIES, TEACHERS, AND
COMMUNITY PARTNERS.**

Join the Arizona Science Center as we celebrate Girls in Science, Technology, Engineering, Math (STEM). We will offer hands-on, interactive activities, and engaging breakout sessions for both girls and adults. Teachers and Community Organizations are encouraged and welcome to attend, as professional development sessions will be offered.

A box lunch will be provided.

Cost for the event is \$15 per attendee.

600 E. Washington St.

Phoenix, AZ 85004

602.716.2000

azscience.org



**REGISTRATION OPENING
ONLINE: SOON**

AZSCIENCE.ORG

**OR CALL 602.716.2050 FOR
MORE INFO**

Girls in STEM
Sponsored by



FREEPORT-McMoRAN
COPPER & GOLD FOUNDATION

In Partnership with



If interested in volunteering for the event, to please contact Shamala, Phx Section WIE AG Chair, at Shamala.chickamenahalli@intel.com

Computer Society



Phoenix Chapter of the IEEE Computer Society

April, 2013

News

- Our March meeting was held at ITT Technical Institute and was very successful. The presentation on virtualization was excellent. We plan to hold every other meeting at this location if possible

Future Events

- May 1st – Chapter meeting, DeVry University; speaker TBD.
- July 10th – (date change) Chapter meeting, ITT Technical Institute, speaker TBD.
- September 4th – Chapter meeting, DeVry University, speaker TBD.
- November 6th – Chapter meeting, ITT Technical Institute, speaker TBD.

Meetings start at 6:00 pm with networking and light refreshments followed by the presentation at 7:00 pm. DeVry University is located at 2149 W Dunlap Avenue, Phoenix, (a mile east of I-17 on Dunlap). ITT-Tech is located at 5005 S Wendler Drive, Tempe (SW corner of I-10 and Baseline Rd).

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:	Brad Morantz (bradscientist@ieee.org)
Secretary/Webmaster:	Audrey Skidmore (askidmore@computer.org)
Treasurer:	Diane Smith (sdianesmith@computer.org)

IEEE Phoenix Valley Megaphone April 2013

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

WAVES AND DEVICES - Phoenix Chapter

Meeting Free & Open to Non-IEEE Members

6:00 to 7:30PM, Thursday, February 28th, 2013

Arizona State University

Goldwater Center, GWC487, 650 E. Tyler Mall, Tempe, AZ



New Updates coming soon



IEEE GOLD



Phoenix Section Affinity Group

News

- January:** Shafiul “Jacky” Islam, accepted the position of IEEE GOLD Chair, Phoenix Section. Jacky is also the current IEEE GOLD Chair, R6 South West Area.
- February:** GOLD represented the IEEE Phoenix Section (along with others) for the Engineer’s Day at the Science Center is this Saturday, February 23rd.
- March:** Shafiul “Jacky” Islam gave a presentation titled “IEEE Engagement Opportunities” at IEEE-Eta Kappa Nu Student Leadership Conference (March 15-17) hosted by Arizona State University Epsilon Beta Chapter. This presentation explained the mutual benefits (more success) of IEEE and IEEE-HKN collaborative leadership in light of Jacky’s tenure as the President of IEEE-HKN Iota Xi Chapter (2009-2012). In addition, the presentation introduced the IEEE engagement opportunities available to students upon graduation primarily through affinity groups like GOLD and WIE.

For more information please visit:

- Conference Agenda: <http://www.hkn.org/pdfs/pdfs/SLCschedule.pdf>
- Speaker Bios: <http://www.hkn.org/pdfs/pdfs/SLCspeakerbios.pdf>

Announcements

Anyone interested to serve in available officer position and/or to volunteer for any IEEE GOLD activity, please contact Jacky (shafiul.islam@intel.com).

Upcoming Events

Coming soon.



2013 IEEE Phoenix Section Calendar

April 2013

- Student-Industry Mixer – TBD
- MicroMouse registrations due to Southwest Area: TBD
 - Region 6 Southwest Area Spring meeting is scheduled for May 11-12, 2013 in San Diego, CA at UCSD.
- Nominating Committee formed for election of next year's Section officers
 - At least three members that are not Section officers (Chapter officers okay)
- IEEE International Conference on Engineering Computer-Based Systems
 - April 22-24, 2013 at SkySong, the ASU Scottsdale Innovation Center in Scottsdale, AZ
 - See <http://cps-vo.org/ecbs2013> for details.
 - This year's theme is "Societal and Environmental Impact" to provide a motivation to include areas of research and application that have societal or environmental impact.

You may access the IEEE Phoenix Section Calendar of Events at:

<http://ewh.ieee.org/r6/phoenix/Calendar.htm>

For inputs and updates to the Calendar, please contact the IEEE Phoenix Section Barbara McMinn, P. E., 602-989-2838 (cell) barbara.mcminn@aps.com

View or down load the pictures from IEEE Phoenix Section Annual Banquet 2013 at: <http://ewh.ieee.org/r6/phoenix/index.php>



Executive Committee Meeting Phoenix Section

Tuesday, April 2, 2013, 5:45 – 8:00 PM
The Airport Hilton Phoenix,
2435 S 47th St. Phoenix, AZ 85034, (480) 894-1600.

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.

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 USA E Book on Transition

IEEE-USA E-Book E-Books to Members in September and October Feature

Career Survival and Writing for Success: IEEE-USA is offering two free e-books to IEEE members the next two months as a special benefit of IEEE membership. In September members can receive “The Best of IEEE-USA Today’s Engineer on Career Survival.” In October, the free featured publication will be “Writing for Success -- An Engineer’s Guide, Volume 1: Designing for Success.” “The Best of Today’s Engineer on Career Survival” is a compilation of career-focused articles from “IEEE-USA Today’s Engineer” that can help you find success in a challenging job market. We all need the ability to survive in a changing world, and engineers need a better awareness about the evolving business ecosystem and what those changes mean. The articles in this e-book will help to increase your situational awareness of the marketplace, which in turn, can help you with career planning and developing sustainable job skills. You’ll also learn how to assess the market and yourself, how to stay competitive, and what steps to take to thrive in the job market. “The Best of Today’s Engineer on Career Survival” can be downloaded at <http://www.ieeeusa.org/communications/ebooks/files/wisao2sf/Best-of-TE-On-Career-Survival-V1.pdf> for free to IEEE members. The nonmember price is \$5.99. The purpose of “Writing for Success -- An Engineer’s Guide, Volume 1: Designing for Success” is to inspire and help engineers to approach their writing tasks with the same confidence and skill they take to the technical problems that confront them -- so that emails, reports, test-plans, and other documents they write are as useful, successful and valued as their engineering efforts. “Writing for Success – An Engineer’s Guide, Volume 1: Designing for Success” will be available for members to download in October.

Electrical Engineer Job Opening at SRP:

Phoenix-based SRP, the nation's third-largest Public power and water utility is recruiting an Electrical Engineer for its Facility Services Dept located in Tempe, AZ.

Job Requirements:

A Bachelor's Degree in Engineering from an ABET accredited curriculum or State Professional Engineering Registration. Though not required, State Professional Engineering Registration is preferred.

- Seven or more years of experience in facilities related electrical equipment and infrastructure systems preferred.
- Understanding and expert knowledge of uninterruptible power supplies, automatic transfer switches, backup generator systems and electrical systems related to switch gear and breakers
- Electrical circuits and requirements for chillers, air handlers, and cooling towers
- Knowledge of National Electric Code
- Building automation and control systems
- Electrical/instrumentation PLC and DCS Systems
- Reliability methodology RCA, RCM
- Preventive and predictive asset strategies
- Work processes, work flow CMMS, and process improvements
- Power quality and energy management

Job Description:

Will be required to analyze and trouble shoot typical electrical systems, equipment. and backup systems as well as review designs and submittals for electrical system modifications to existing and new buildings. Will perform as a staff consultant to resolve electrical issues with existing facilities equipment and infrastructures and propose solutions. Will develop scopes of work for electrical modifications and projects as well as provide cost estimates for proposed electrical and control projects for evaluation by the Facilities staff. Will function as an electrical inspector on projects accomplished through contracted services. Will assist facilities operations and maintenance personnel in troubleshooting electrical issues and propose cost effective solutions. Will conduct engineering design studies and generate professional engineering drawings.

If interested in this position, please apply on-line at the SRP website www.srpnet.com , Careers at SRP. The job number is V-6110. Excellent benefits package.

All candidates must be legally authorized to work in the United States.

Currently, SRP does not sponsor H1B visas.