The Valley Megaphone

Executive Committee 2013

Chair
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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
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m.andrews@ieee.org

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

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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)

We took a Break for Month of July but we are now back in business

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
Shafiul "Jacky" Islam 520-245-9010
shafiul.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
Les Daviet II
lesdavietii@cs.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/2010IEEESWASpringMeeting
(photography by David Huerta, GOLD Affinity Group Chair)

IEEE
Advancing Technology
for Humanity

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

Upcoming Conferences in August in Region 6

The Summer is hot here in the West and consequently there are not many IEEE Conferences. Where the were about 50 during the winter, there is a total of nine for the month of August. Seven are in California and two are in Oregon.

If your chapter is considering having a conference, have them contact Brad Morantz, (480-348-5945) or any Phoenix IEEE officer and we can supply literature and information why Phoenix is a great place to hold that conference. It is both a wonderful venue (especially in the winter) and is reasonably priced. The Phoenix Conference and visitors bureau is glad to assist in any way that they can.

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

* *

Arizona SciTech Festival Kickoff Conference – September 4, 2013 @ Scottsdale Center for the Arts

Featuring special keynote with Astronaut Ed Gibson & Geoff Notkin star of TV's "Meteorite Men"

Kick off planning for your 2013 Arizona SciTech Festival events with a conference designed to help you get the most from your efforts. Get free marketing tips, best practices in communicating STEM, strategies to engage your community in your efforts, and get your schools involved all the while networking with Arizona SciTech sponsors, participating businesses, organizations and neighborhood communities.

PROGRAM LINE-UP:
7:30 - 8:30:   Registration and networking breakfast
8:30 - 11:35:   Morning sessions and networking
11:35 - 12:55:   Lunch (on your own -- enjoy one of dozens of restaurants steps from conference)
12:55 - 4:45:   Afternoon sessions, networking and keynote
4:45 - 6:15:   Reception
COST: No Charge
REGISTRATION: https://www.eventinterface.com/registration?eventid=aHltdDRwZA%3D%3D

MORE INFORMATION:
Jeremy Babendure, Ph.D.
Executive Director, ARIZONA SCITECH festival
480 250-7764

Signal Processing & Communications Society

Phoenix Chapter of IEEE Signal Processing Society and Communications Society

New Updates coming soon

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

IEEE Components, Packaging and Manufacturing Technology Society
Phoenix Chapter
Wednesday, August 21st, 2013 at 6 PM
Knowledge Based Reliability Modeling
Alan Lucero

ABSTRACT

Reliability targets for electronic package development and product qualification were defined decades ago for extended service life in military environments and may not be applicable for all modern packaged devices and uses. This presentation will provide examples of how knowledge based reliability methods can be used in packaging as well as highlight some issues with blind use of standards based requirements. Contemporary applications have significantly reduced service life with varied mission and operating temperature profiles therefore legacy requirements and tests may not adequately represent end user behavior resulting in field reliability risk. Si-devices for high performance and low power have also driven the use of more fragile dielectrics which increase the risk of chip package integration related issues that become manifest in standard temperature cycling failures which is a driver to implement knowledge based methods. Finally; a few examples and discussion of different certification methods and the optimizations that might be made will also be shared.

BIOGRAPHY

Alan Lucero has worked in Assembly-Package reliability at Intel over 17 years. He has numerous package reliability publications and has delivered professional development courses on reliability topics for IEEE sponsored conferences in packaging (ECTC) and reliability physics (IRPS). Alan completed undergraduate physics and materials engineering at New Mexico Institute of Mining & Technology where he worked on thin film diamond CVD. His graduate work at University of Illinois, Urbana-Champaign included design and characterization of high performance self-assembling liquid crystal polymers are macrocycles.

Date: Wednesday, August 21st, 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.

Next Meeting – Wednesday, September, 18th, 2013 – Current Status of GaN based Power Devices, Fact and Fiction presented by Dr. Michael A. Briere

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

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:

- We are on vacation for the summer. There are no luncheons in June, July or August. Our next luncheon will be Thursday, September 19th at the SRP PERA Club.

- Don't miss our 56th Annual PES Golf Tournament, which will be held on Saturday November 2nd at the Rio Verde Golf Club. This is our annual fundraising event, allowing us to sponsor scholarships, student outreach programs, and of course, our $5 luncheons and technical seminars.

- 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

Solid State Circuits Society

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

IEEE SOLID-STATE CIRCUITS SOCIETY

New Updates coming soon

SSCS-PHX Chapter Website: http://www.ieee.org/go/sscs_phx
Contact: Cyndi Recker (cyndi.recker@ieee.oorg), SSCS-PHX Chapter Chair

EMC Society

New Updates coming soon

Phoenix Section Life Member Affinity Group

Technical Meeting October 15, 2013

Topic: There will be a presentation on financial planning and recent impacts of any regulations that may/will impact your investments or retirement plans.
When: Tuesday, October 15, 2013 11:00am – 1:00pm, Registration fee is $15. This fee will include lunch provided by the PERA Club.

LIFE MEMBER 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, October 15, 2013   SRP PERA CLUB
- Tuesday, December 3, 2013   SRP PERA CLUB

Officers:

Chair	Leslie Daviet II	lesdavietii@cs.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,	r.sprague@ieee.org
Past Chair	A. Barry Cummings	abarrycummings@gmail.com

**IEEE Phoenix Section
Women in Engineering
Affinity Group**

On July 18, 2013, Shamala Chickamenahalli, **Phoenix Section Women In Engineering (WIE) Affinity Group** Chair, gave an invited presentation on *Challenges of Voltage Regulator Integration for Microprocessors and SOC's* at Kumaraguru Institute of Technology – Coimbatore during her recent visit to India. The Kumaraguru Institute of Technology is affiliated with Anna University in Chennai, India. She was invited by Dr. and Prof. Ramalatha Marimuthu, Chair of the IEEE Women In Engineering Committee for 2011-2012, and Head of the Information Technology Department at Kumaraguru Institute of Technology. More than 200 undergraduate students from amongst first to fourth year IT, ECE, and Computer Science disciplines attended the presentation and participated in technical and career-related discussions. Shamala met with several faculty members from amongst the departments as well as the principal of the college and took a tour of the campus made possible by the institute student and faculty members. Sincere thanks to the IEEE Phoenix Section for agreeing to fund costs up to $400 towards the visit.

If you would be interested in helping to organize any of our activities or have suggestions for other activities or speakers 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)
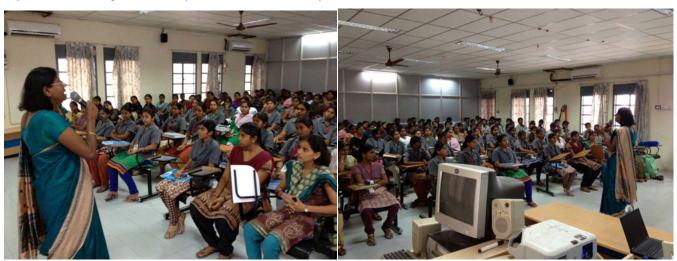   Treasurer: Diane Smith (diane@web-oasis.com)
      Web Master: Audrey Skidmore (ASkidmore@azmag.gov)
      Membership: Lesley Polka (lesley.a.polka@intel.com)
      Region 6 Liaison: Barbara McMinn (barbara.mcminn@aps.com)

If you would like to be added to our distribution list for further information about this and 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.

Computer Society

News

- Planning continues for the chapter meetings for the remainder of the year. We have confirmed speakers for both of the remaining meetings this year, September and November.

- We are beginning to assemble our programs for 2014. Tentative 2014 chapter meeting dates are listed below. Mark your calendars to save the dates:
  - January 8th at DeVry University
  - March 5th at ITT-Tech
  - May 7th at DeVry University
  - July 2nd at ITT-Tech
  - Sep 3rd at DeVry University
  - Nov 5th at ITT-Tech
  Details of the program for these chapter meetings will be published as the speakers are confirmed.

- Our July meeting at ITT-Tech featured Kelli Waxman, PI, CEO of National Security Consulting and Investigations, PLLC. Kelli talked about attack attribution, forensics and cyber war.

Future Events

- September 12th (**note date change, this is a Thursday**) – Chapter meeting, DeVry University, speaker Brad Morantz, PhD, "More Than an Overview of Data Mining or How Did They Know All That About Me?"

  There is much in the news these days about data collections performed in the name of security. This presentation will speak to the mathematics and science behind the analysis of that data and why so-called "data mining" is a very powerful tool for gleaning specific information from the vast quantities of data that are collected on a daily basis.

  Data from observations contain correlations between the variables. Things do not just happen at random. There is an order to the universe. If we can learn what the data is trying to tell us, then we have allowed the data to tell us the story. In this time of plentiful and cheap memory, data is voluminous.

  This presentation begins with some definitions and covers the basic types and classifications of data-mining, as well as some typical applications and uses. Methodology and mathematics explaining the process will be described. A few brief examples will be used to demonstrate the process. The

subject could easily (and often does) require a two to three semester course, so this presentation will introduce the subject and point out areas to investigate further.

Dr. Morantz has a BS in CIS and EE, a MS and PhD in Decision Science, a mixture of mathematical science, psychology, and computer science. He has post graduate studies in Computational BioScience, Computer Science, Statistical Design Methodology, and Design Analysis Simulation Experiments (DASE).

Dr Morantz has published and presented on neural networks, multiprocessing mathematics, biologically inspired computing architecture, and data mining. His current research is in autonomous intelligent systems, also called machine-cognition.

He is currently tech fellow for Prime Solutions Group of Phoenix AZ. He is also on the editorial board of the International Journal of Data Mining, Modeling, and Management. In the IEEE, Dr Morantz is a senior member, the Vice-Chair of the Phoenix Computer Society, and Conference Chair.

- November 6th – Chapter meeting, ITT Technical Institute, officer elections for 2014; speakers Lori Renaldi and Jerry Crow, "PEN Testing Techniques using Open Source Tools".

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 (NW 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)

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
WAVES AND DEVICES - Phoenix Chapter

New Updates coming soon

IEEE GOLD
Phoenix Section Affinity Group

News

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

April: IEEE GOLD participated in judging IEEE Student Paper Contest held at Arizona State University. The winners of the contest are given below:
1st prize: Nathan Gaw, Arizona State University
2nd prize (two winners):
      George Chen, Arizona State University;
      Lisa Ferguson, Embry-Riddle Aeronautical University – Prescott Campus
The list of judges are given below:
1. Chuck Weitzel, IEEE Phoenix Section Chair
2. Michael Goryll, IEEE WAD Phoenix Section, EDS Representative
3. Shafiul "Jacky" Islam, IEEE GOLD Phoenix Section Chair
4. S. Diane Smith, IEEE Phoenix Section Student Activities Coordinator
5. Ahmet Durgun, IEEE ASU Student Chapter Chair

May: IEEE GOLD volunteered in recruiting volunteers and judges for Intel International Science and Engineering Fair (ISEF). Shafiul "Jacky" Islam sent out an invitation letter / announcement through the following channels:
- Professional Community (primarily)
  - Keith Moore, Chair, IEEE R6 SWA
  - Mahesh Shah, Publicity, Phoenix Section
    - Using eNotice to IEEE Phoenix Section Members
    - To American Society of Mechanical Engineers, Phoenix Area
  - Announcement (by Jacky) on Valley Megaphone (Phoenix Section monthly newsletter) May issue
  - Presentation on Intel ISEF (by Jacky) at Southwest Area Meeting in San Diego, California
- Academic Community
  - Dr. James Baygents, Associate Dean, College of Engineering, The University of Arizona
  - Ahmet Durgun, Chair, IEEE Student Chapter, Arizona State University
  - Idan Ishtayer, President, IEEE-Eta Kappa Nu Chapter, Arizona State University

Two of the IEEE Student Paper contest winners at the Phoenix Section level who made it at the Southwest Area level, won the following prizes:
1st prize: Lisa Ferguson, Embry-Riddle Aeronautical University – Prescott Campus
2nd prize: Nathan Gaw, Arizona State University

July: IEEE GOLD Phoenix Section held an organizational and networking meeting on Wednesday, July 24th at 6:00pm at Oregano's Pizza Bistro (523 W University, Tempe, AZ 85281) to recruit potential officers for open positions and volunteers.

Note: The final roster of officers will be provided in the next issue of Valley Megaphone.

2013 IEEE Phoenix Section News

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

Tuesday, August 6, 2013, 5:45 – 8:00 PM
The Airport Hilton Phoenix,
2435 S 47th St. Phoenix, AZ 85034, (480) 894-1600.
Next Meeting September 3, 2013

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

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 Phoenix Section Ventures Into Social Media

IEEE Phoenix Section initiated a project to upgrade the communication to its members by including social media tools in addition to the current methods. The project is led by the **P**rofessional **A**ctivities **C**ommittee for **E**ngineers (PACE). We are pleased to announce that a Facebook page has been set up for the use by IEEE Phoenix Section members. Once fully operational, you can expect this media to become a mechanism for promoting the professional interests of members, a conduit for communication of members' views on their professional needs and announcements about other IEEE activities.

It is very simple to use. We request all members to visit this Facebook site and "Like" it, which will link your account to this Facebook page. If you do not have a Facebook account, please sign up for one. Once the members are linked to the Facebook page, they will be able to receive the posts that are made on the IEEE Phoenix Section Facebook page. Please send your email address to Vivek Gupta (vmgupta@msn.com) to receive an invitation for the Facebook page.

IEEE Phoenix Section Nomination of Officers

The IEEE Phoenix Section is seeking nominations for the following elected Section officer positions for the 2014 term:

- Chair
- Vice Chair
- Secretary
- Treasurer

Additionally, the Nominating Committee is seeking candidates for some of the following non-elected appointed standing committee Chair positions for the 2014 term:

- Publicity
- Membership
- Student Activities
- Conferences
- Awards
- Inter-Society
- PACE (Professional Activities Committees for Engineers)
- TISP (Teacher In-Service Program)
- Web Master

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

Please send nominations or any questions to Ralph Hogan @ rhogan@ieee.org.
Section members are urged to submit your nominations by no later than September 1, 2013.
Sincerely,
Ralph Hogan
Chair, Nominating Committee,

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.