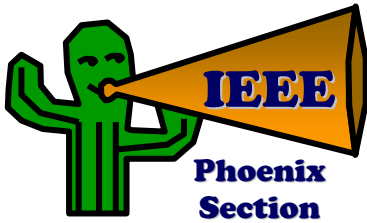


The Valley Megaphone



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

**January 2009,
Volume XXIII, Number 1**

Executive Committee

Past Chair

Rao Bonda, 480-413-6121
r.bonda@ieee.org

Chair

Keith Holbert, 480-965-8594
holbert@asu.edu

Vice Chair

Debendra Mallik, 480-554-5328
dmallik@ieee.org

Secretary

Henning Braunsch, 480-552-0844
braunsch@ieee.org

Treasurer

Jim Hudson
Jim.Hudson@srpnet.com

Publicity

Sam Karikalan, 480-753-2267
samk@broadcom.com

PACE

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

Membership

Victor Prokofiev
victor.prokofiev@intel.com

Student Activities

Nick Leonardi, 480-736-1970 x 23
nleonardi@ieee.org

Conferences

Russ Kinner, 602-997-2353
r.kinner@ieee.org

Awards

Vasudeva P. Atluri, 480-554-0360
vpatluri@ieee.org

Inter-Society

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

Webmaster

Monica H. Braunsch
mhbraunsch@ieee.org

This Issue of the Valley Megaphone features:

Contacts:

- Executive Committee (page 1)
- Chapters and Branches (page 1)
- Student Branches (page 2)

Contents:

- U-News for Student members (page 2) 
- 125th Anniversary of IEEE (page 3)
- Job Opening - Director of Analog Design (page 3)
- Teach-in-Service Program details (page 4)
- PES Announcements (page 5 & 6)
- Call for IEEE Fellow Nominations (page 6)
- EMC Society Meeting (page 7)
- Computer Society Meetings (page 8)
- Computer Society at ASU - OSUM Program (page 8)
- Student Paper Contest (page 9)
- Student Scholarships (page 10 - 13)
- Fundraiser Golf Tournament for Phoenix Region Future City Competition (page 14)
- IEEE Phoenix Banquet (page 15)
- Mentoring Connection (page 16)
- IEEE Phoenix Events Calendar (page 17)

IEEE Phoenix Section Executive Committee meeting minutes can be found at:
<http://www.ieee.org/phoenix>

Please send announcements for Valley Megaphone to Sam Karikalan at samk@broadcom.com

Chapters

Communication & Signal Processing
Gang Qian
gang.qian@asu.edu

Computer Society
Joy Shetler
jssheter@juno.com

Consultants Network (PACN)
Vaughn L. Treude, 602-750-3662
vaughn@nakota-software.com

CPMT Society
Qing Zhou
qing.a.zhou@intel.com

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

EMBS Chapter
Ahmed Abdelkhalek
ahmed_a@acm.org

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

GOLD
Matt Mets
Matt.Mets@freescale.com

Power & Energy Society
Barbara McMinn
barbara.mcminn@aps.com

Solid State Circuits
Bahar Jalali-Farahani
Bahar.Jalali@asu.edu

Teacher-in-service
Mike Poggie
Mike.Poggie@ieee.org

Waves & Devices Society
Chuck Weitzel, 480-413-5906
c.weitzel@ieee.org

Life Members
Rao Thallam
thallam@ieee.org



U – News

(for Student Members)

Happy New Year, Student Members!

Welcome to this new page of the Valley Megaphone, specifically for you, the Student Membership of the IEEE Phoenix Section. This page is formatted for a quick and easy reference of all information and activities relevant to Students.

Since my recent appointment as Student Activities Chair, discussions with University Branch Chairs highlighted the situations of overlooked information, leading to this "U-News" page becoming a regular feature in the Megaphone.

Student feedback will continue to be requested on all aspects of membership, improving participation and for ways to enhance support to Student Branches.

Best Wishes in 2009!

Regards,
Nicholas Leonardi
Student Activities Chair – IEEE Phoenix Section
nleonardi@ieee.org 480-736-1970 x 23

Student Branches

ASU Main, Engineering
Chair: Ramesh Bodakunta
ieeasuchair@gmail.com
Advisor: Cihan Tepedelenlioglu,
(480) 965-6623, Cihan@asu.edu

ASU Main, Computer Society
Chair: Nicholas Vaidyanathan
nvaidyan@asu.edu
Advisor: Guoliang Xue
(480) 965-6218 xue@asu.edu

ASU Polytechnic
Chair: Justin Burrell
Justin.Burrell@asu.edu
Advisor: Barbara Rempel
Barbara.Rempel@asu.edu

DeVry, Phoenix
Chair: Mason Surerus
MSurerus@ieee.org

DeVry, Computer Society

NAU, Engineering
Chair: Kenji R. Yamamoto
Kry3@nau.edu
Advisor: Niranjan Venkatraman
v.niranjan@ieee.org

Embry-Riddle, Prescott
Chair: Maria Nzmebi Ngomba
ngomb7db@erau.edu
Advisor: John E. Post
postj@erau.edu

U-Newsbytes

- ✚ Monthly Student Branch Reports should now be sent directly to Nick Leonardi (nleonardi@ieee.org). Reports due end of day Jan 5th for the Jan 6th Meeting.
- ✚ Student Scholarship Application Deadline has been extended to Friday Jan 16th, with the instructions revised to include Graduate Student participation (Pages 10 - 13).
- ✚ Student Paper Contest submissions are due end of day February 13th (Page 9). These papers and student authors will have excellent visibility in the IEEE Region.
- ✚ ASU IEEE Computer Society collaborates with Sun Microsystem's Open Source University Meetup (OSUM) Program and your participation is welcome (Page 8).

IEEE – EDS Masters/Ph.D Student Fellowship

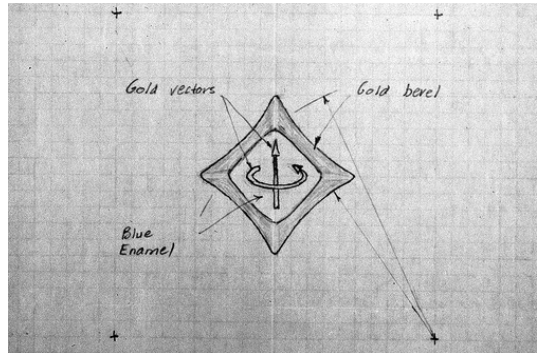
The IEEE Electron Devices Society has established the Masters and Ph.D. Student Fellowship Programs to promote, recognize, and support advanced degree study and research within the Electron Device Society's fields of interest. The application deadline is May 15, 2009. Please contact Chuck Weitzel, the Chair of the IEEE Phoenix – Waves Devices Chapter, at E-mail: Chuck.Weitzel@freescale.com or Tel. 480-413-5906, for more details.



Celebrating 125 Years
of Engineering the Future

The IEEE Phoenix Section Executive Committee wishes all its members and their families **A Very Happy and Prosperous New Year 2009!**

The 125th Anniversary of IEEE, the world's largest technical professional association, is on **May 13, 2009**, marking the culmination of 125 years of ingenuity and innovation in engineering and technology. This great milestone will be celebrated throughout 2009, with special events online and across the globe. Please visit www.ieee125.org to learn more about the anniversary celebrations.



Bernard Oliver's drawing for the original IEEE badge
(Photo Courtesy: www.ieee125.org website)

Job Opening

DIRECTOR OF ANALOG DESIGN

A well known Silicon Valley company is looking for a Director of High-Performance analog design, to assume responsibility for all converter chip, PLL, RF and I/O design here in their Tempe design center.

Compensation relative to whatever it takes to hire the right person.

12+ years of experience developing analog circuits
3+ years leading a development team.

Contact Richard Beckstead, for further details, at:
480-802-5731 (work), 480-203-6277 (cell) or
E-mail: rbsearch@aol.com

Advt



IEEE Strategies to Help School Science Teachers

The national office of the IEEE has had an active program for a couple of years now to train science teachers in improved ways to teach science and engineering to school children. Called **TISP – Teacher In-Service Program** – the program is a response by the institute to the widely acknowledged appallingly low quality of science and mathematics knowledge among graduating school children, and the rapidly decreasing number of students who opt for a degree and a career in engineering rather than in business management, finance or law. The institute recognizes that a large part of the problem is the lack of knowledge and experience of engineering matters among the science teachers, this leading to a lack of exposure of children at a young age to real science or the encouragement of any child that might have an interest. In fact, studies show if children have not been exposed to science before high school it is really too late for them to get into it. Along with that, by 5th grade students need to know that going to college is a possibility for them.

Hence, a major part of the national IEEE program is the creation of a growing set of teaching modules / lessons plans, each module being structured around a particular engineering problem such as electric motors, structure loads, etc. Each module emphasizes the teaching of the relevant engineering, science and mathematics principles through a practical project performed by the students. These modules are freely available to any teacher on the institute website: www.tryengineering.org/lesson.php.

The TISP program is an effort sponsored and promoted by the national office but run at the local chapter level. The Phoenix Section lead on TISP is Mike Poggie. To further help the process, the national office has been running a series of workshops to train IEEE member volunteers in achieving two goals: to train teachers in better ways to teach engineering and science principles, and to provide in classroom assistance to the science and mathematics teachers. A small group from the Phoenix Section participated in the last session in November held in San Francisco; it was a lot of fun and very inspiring! But it is clear that to manage and implement TISP over the whole Phoenix Section, we have to divide up the tasks into manageable subsets, each subset under a different lead and all the subsets coordinated by Mike Poggie. A subset could be a distinct grouping such as retirees, or a town remote from Phoenix like Flagstaff, or even quite possibly a particular school.

As a first subset we are seeking to enlist the help of the talented retirees in the IEEE. Retirees represent a tremendous pool of engineering talent and knowledge associated with its application in the real world of industry, academia, government, etc. They are very capable of being able to show school children in science classes how what they are being taught relates to the real world and how science and math studies can lead to a fruitful and enjoyable career in engineering. Plus they have more time they can devote to this cause than do our colleagues in full-time employment and with young families. This subset is being organized by John Purchase. So any retiree interested in joining this effort should please email John Purchase at: jpurchase@cox.net. Once he has responses he will organize a meeting in the new year to explain, discuss and plan this outreach effort to help secure a future for our children as engineers and for our nation as a technical leader in the world.

Plus any non-retiree interested in helping the Chapter's TISP effort should get in touch with Mike Poggie at: Mike.Poggie@ieee.org. And the national office continues to run regular TISP workshops (and all travel expenses are reimbursed!); they are well worth attending for anyone interested in working with school children and teachers.



Power & Energy Society Announcements

January 2009 Technical Meeting

Date: Thursday, January 15, 2009; Meal 12:00noon, presentation 12:30pm

Location: SRP's PERA Club. Map:
<http://ewh.ieee.org/soc/pes/phoenix/images/PERAMAP.pdf>.

Speaker 1: Chico Hunter, Salt River Project (SRP)

Topic 1: SRP Renewable Energy Program

Abstract 1: SRP's Sustainable Portfolio program was put in place in 2004 to promote the development of both renewable energy resources and energy efficiency measures. The Sustainable Portfolio goal is to achieve 15% of SRP's retail energy from sustainable resources by 2025. SRP has made good progress to date and currently has over 5% sustainable resources from a diverse mix of resources including wind, solar, hydro, landfill gas, geothermal and a variety of energy efficiency programs. An overview of the program and details on some of the renewable energy projects will be presented.

Biography: Chico Hunter currently works as a senior engineer in SRP's Sustainability Initiatives and Technologies group and manages the SRP EarthWise Solar incentive program for commercial customers. He holds a Bachelor's in Mechanical Engineering and a Master's in Manufacturing Engineering, both from Arizona State University. Chico has worked at SRP since 2003 and has been involved in a variety of renewable energy projects including biomass, low-impact hydro, solar photovoltaic and solar water heating. Chico also participates in renewable energy policy analysis and has helped develop SRP's solar incentive programs.

Speaker 2: Tony Tewelis, Arizona Public Service Company (APS)

Topic 2: APS Renewable Energy Incentive Program

Abstract 2: APS offers a Renewable Energy Incentive Program to help facilitate the installation of customer sited renewable energy technologies. To date, APS customers have received over \$20,000,000 in renewable energy incentives. Over 2,300 participants have generated more than 6.4 megawatts of "green" electricity and have displaced more than 2,500,000 kWhs by installing solar water heaters alone. By 2025, APS is planning to have more than 15% of all of its retail sales be supplied by

renewable energy resources. An overview of APS's Renewable Energy Incentive Program will be presented.

Biography2: Tony Tewelis works as the Program Manager for APS's Renewable Energy Incentive Program. He is responsible for the development, implementation, and oversight of the corporation's Renewable Energy Incentive Program (end-use applications derived from solar, wind, biogas/biomass, geothermal, hydro, and other renewable fuel sources). Prior to joining APS, Tewelis spent nearly twenty years in Wisconsin working in the utility industry. Most recently he served as the Director of Customer Relations and Interconnection Services for the American Transmission Company (ATC). Tewelis earned a bachelor's degree of business administration at the University of Wisconsin - Oshkosh in 1988, a graduate certificate in project management in 1996, and a Master's of Business Administration in 1998, at the Keller Graduate School of Management.

February 2009 Technical Meeting

No technical meeting will be held in February due to the IEEE Phoenix Section Awards Banquet.

March 2009 Technical Meeting

Date: Thursday, March 19, 2009

Location: TBD

Speaker: Steve Cobb, Salt River Project

Topic: FERC/NERC Compliance. See PES website for more information as it becomes available <http://ewh.ieee.org/soc/pes/phoenix/>

Call for IEEE Fellow Nominations

Nominations are being accepted for the IEEE Fellows class of 2010. The rank of IEEE Fellow is the institute's highest member grade, bestowed on an IEEE Senior Member who has had an extraordinary record of accomplishments in any of the IEEE fields of interest. The deadline for nominations is 1 March 2009. Senior Members can be nominated in one of four categories: application engineer/practitioner, research engineer/scientist, educator, or technical leader.

The Fellows Web pages (<http://www.ieee.org/fellows>) contain information regarding the history of the IEEE Fellows program, the nomination process, access to the Fellows Nomination Kit, lists of Fellows who are eligible to be references and more about the Fellow program.



Phoenix Chapter of the IEEE EMC Society January '09 Meeting

Date: Wednesday, January 28th, 2009

Place: Garcia's Mexican Restaurant at Embassy Suites Hotel

Address: 4400 South Rural Road, Tempe, Arizona

Address: Just South of U.S. 60 on West side of Rural Rd.

Time: 5:30PM Social, 6PM Dinner (order off the menu), 7PM Meeting

Title: The Ten Habits of Highly Successful Board Designers

Speaker: Dr. Eric Bogatin of Bogatin Enterprises, LLC

Abstract: You can't learn everything you need to about signal integrity in one hour, or in one day or even in one week. But most engineers don't have the time to spend weeks learning the field. If all you will ever spend studying signal integrity is one hour, this is the hour you should take. By leveraging just ten design habits described in this lecture, any engineer can dramatically improve the signal integrity performance of their high speed products.

Biography: Eric is currently a signal integrity evangelist with Bogatin Enterprises, a world leader in signal integrity training and education. He received his BS in physics from MIT and MS and PhD in physics from the University of Arizona in Tucson. He has held senior engineering and management positions at Bell Labs, Raychem, Sun Microsystems, Ansoft and Interconnect Devices. Eric has written 4 books on signal integrity and interconnect design and over 200 papers. His latest book, Signal Integrity- Simplified, was published in 2004 by Prentice Hall. He has taught over 5,000 engineers in the last 20 years. Class descriptions and many of his papers and columns are posted on the www.BeTheSignal.com web site.

Reservations: To help us get an accurate headcount, please send an email to Harry Gaul (harry.gaul@ieee.org). There is no charge for meetings, but you pay for your own meal and drinks. Since we order off the menu, we do not need an exact number, so if you decide at the last minute, please come anyway. You don't need to be an IEEE or EMC Society member to attend -- all are welcome.

Special Notice to IEEE Student Members: Present your IEEE Student Member card at the meeting and get your meal for **free** including drinks (except for alcoholic beverages).

Upcoming Meeting: Stay tuned for information on an upcoming chapter meeting which will be held on Friday, March 20th in conjunction with the IEEE EMC Society's Board of Directors meeting. Bruce Archambeault will be our featured speaker following a buffet dinner.



Phoenix Chapter of the IEEE Computer Society

Upcoming Meetings

- January 14, 2009 - Software Quality Assurance, Bob Fowler and Oris Friesen ***Note Alternate Date Due To Holiday***
- February 4, 2009 - Cognitive Ubiquitous Computing, Prof. Panchanathan of ASU, ***Southeast Valley location TBA later***
- March 2009 - Annual Picnic, **Time and Date TBA**
- April 1, 2009 - Chat Localization: Developing Applications for 26 Different Languages, Highland Mary Mountain of Intel, ***Southeast Valley location TBA later***
- May 4, 2009 - Emerging Trends for Security and Technology Careers in the Coming Decade, Debbie Christofferson, CISSP, CISM
- October, 2009 Advances in Digital Image Processing, Jorge Caviedes, Intel Corp

Would you like to be a speaker at a future meeting? We are always looking for interesting speakers to cover computer related topics. Contact joy.shetler@computer.org OR Jon.Candelaria@motorola.com for more information on becoming a speaker today.

IEEE Computer Society at ASU

Open Source University Meetup

[IEEE Computer Society at Arizona State University](#) has a history of dedication to collaboration and innovation, and is a firm believer in the power of open source software. We are also passionate about helping our students network and succeed.

In this spirit, we are proud to announce collaboration with [Sun Microsystems](#) and their [Open Source University Meetup \(OSUM\)](#) program!

Sun Microsystems has rapidly emerged as a leader in the open source community, making a large variety of their platforms open including [OpenOffice](#), [OpenSolaris](#), [OpenJDK](#), and even [OpenSPARC](#). You know a company is serious about open source when it makes its hardware open! In their passion for open source, they have created a community called the Open Source University Meetup which exists as a social networking tool for developers to meet others who are passionate about open source and learn more about Sun technologies. Members of the OSUM community include students from all around the world, Sun staff, and any developer who has a passion for expanding his or her own knowledgebase.

Beyond the obvious networking opportunities, [members of OSUM also get free, well-written and authoritative training](#) on Sun technologies through the [Sun Academic Initiative](#), and *extremely* reduced-cost sun certification exams! This is an amazing deal for those seeking to enhance their skill-set or prove that they have mastered a particular tool, and the best part is it's free and easy!

So what are you waiting for, an invitation? Well, here it is: [go sign up today!](#)
Need more information? Please contact Nicholas Vaidyanathan at Nicholas.Vaidyanathan@asu.edu.



IEEE Phoenix Section Student Paper Contest 2009

The IEEE Student Prize Paper Contest offers the undergraduate IEEE Student member opportunities to exercise and improve both written and verbal communication skills. Throughout an engineer's career, (s)he will be constantly called upon to communicate ideas to others. Researching, writing, and presenting a paper provides a student with invaluable early experience in expressing ideas related to engineering. Since the paper contest primary function is to improve the engineering student's communicative skills, no student should be discouraged from entering the contest due to a false requirement of technical sophistication.

This undergraduate student paper contest consists of a written paper and an oral presentation. The written paper should be in the IEEE Region 6 standard, which is available at <http://www.ewh.ieee.org/reg/6/MemberStudentActivities/IEEERegionalStudentPaperContestGuidelines.doc> . Briefly, the type-written papers are 15 pages maximum, double-spaced with 12 pt font. The written paper, as either an MS Word or an Acrobat pdf file, should be emailed to nleonardi@ieee.org by 6 p.m. on **February 13, 2009**.

The oral presentations are 15 minutes plus a 5-minute question & answer period. The oral portion of the contest will be held the morning of Saturday, **February 28, 2009**. A computer with projector will be provided for the contestants to use, since PowerPoint slides are the recommended approach.

The local cash awards for the paper contest winners are (1) First Place - \$300, (2) Second Place - \$200, and (3) Third Place - \$100. The five judges are IEEE members from local industries.

The top entrant from each Local Student Branch (ASU Main, ASU Polytechnic, DeVry, Embry-Riddle, and NAU) is eligible to present their paper to the IEEE Region 6 Southwest Area contest to be held April 2009.

If you have any questions, please contact:

Mr. Nick Leonardi
IEEE Phoenix Section
Student Activities Chair
480-736-1970 x 23
nleonardi@ieee.org



IEEE PHOENIX SECTION SCHOLARSHIPS

Applications Due: January 16, 2009
Awardees Announced: Before end of January 2009

The Institute of Electrical & Electronics Engineers

IEEE Student Member Scholarships

- For full-time undergraduate and graduate students who are members of IEEE: approved majors are Electrical Engineering, Computer Systems Engineering, Electrical Engineering Technology, Computer Engineering Technology, or Computer Science
- Must attend a university in the Phoenix Section during 2008-2009 (*i.e.*, ASU, ASU Polytechnic, DeVry, Embry-Riddle, or NAU)

Scholarship Application Requirement

- Application form (in the next three pages) with general information and qualifications including:
 - financial aid statement, and
 - one-page personal statement of attainments, interests and goals
- Official transcripts of all college work
- Recommendation letters (optional, but helpful to the selection committee)

For further information and to submit applications please contact:

Mr. Nick Leonardi
IEEE Phoenix Section
Student Activities Chair
480-736-1970 x 23
nleonardi@ieee.org



IEEE PHOENIX SECTION

SCHOLARSHIP APPLICATION

(Due: January 16, 2009)

Applicant IEEE Member No. _____

Name _____
Last/Family , First , Middle

Home Address _____
Number Street Apt
_____ City State Zip Code

Telephone No. () _____ E-mail _____

Social Security No. _____ Date of Birth _____
Month/Day/Year

Are you an Arizona resident? Yes No

Present School _____ GPA (and scale) _____

Class (Fr/So/Jr/Sr/Masters/Ph.D) _____ Academic Probation/Suspension Yes No

Name of Instructor familiar with your qualifications _____ Her/His Telephone _____

College Attending Next Year _____ Expected Graduation Date _____

College Major _____ Specialty within Major, if any _____

Please complete the next two pages also (Financial Aid Statement and Personal Statement) and Attach Official Transcripts from Present School/College.

IEEE PHOENIX SECTION SCHOLARSHIP FINANCIAL AID STATEMENT

Name _____

Marital Status: Married ____ Single ____

Can anyone claim you as a dependent? Yes ___ No ___

Number of dependents you are able to claim _____

Who sponsors your education? Yourself ____ Other ____ (please specify)

Projected College Costs and Financial Resources (for the 2008-09 School year)

Projected Expenses

Tuition and Fees:	\$ _____
Books and Supplies:	\$ _____
Transportation (Car/Bus/Insurance)	\$ _____
Room & Board (Dorm/Apt/Food/Utilities/Phone)	\$ _____
Personal (Clothes/Insurance/Recreation)	\$ _____
Total Expenses:	\$ _____

Projected Financial Resources

Education Loans	\$ _____
Government Grants	\$ _____
Federal Benefits (GI Bill/Social Security/etc)	\$ _____
Scholarships	\$ _____
Parent and/or Spouse Support	\$ _____
Employment (your job income)	\$ _____
Total Resources:	\$ _____

I certify that the information in this scholarship application is true to the best of my knowledge.

Signature

Date

IEEE PHOENIX SECTION SCHOLARSHIP PERSONAL STATEMENT

Name_____

Please provide a one-page statement summarizing your interests, academic accomplishments, school & athletic activities, community service, education and career goals, and employment history (position, company, dates).

Fundraiser for Phoenix Region Future City Competition

On Saturday, 17 January 2009, the Phoenix Region Future City Competition will kick off the year with its 8th Annual Golf Classic Tournament at the Whirlwind Golf Club. The Future City Group is composed of practicing engineers and architects involved in getting 7th and 8th grade kids interested in the future of engineering, science, and architecture. Our golf tournament is a major fundraiser for our yearly statewide competition held in Phoenix.

Last year over 130 players joined us at the Estrella Mountain Ranch Golf Club for a sold out day of golf and prizes in which over \$12,000 was raised. The success of our tournament is attributed to both the sponsorships we receive and the golfers who participate. Join us as we kick off the year, and test our New Years Resolutions, playing the Devil's Claw course at Whirlwind. Registration includes a gift, golf, lunch, beverages on the course, and the chance to win over \$10,000 worth of prizes.



8th Annual Design the Future Golf Classic *Benefiting the Phoenix Region Future City Competition*



TOURNAMENT HIGHLIGHTS:

**Saturday 17 January 2009
Devil's Claw @ Whirlwind Golf Club
5692 W. North Loop Rd, Chandler
Wild Horse Pass Blvd, West of I-10**

**7:00 AM
Registration**

**7:45 AM
Shotgun Start**

**Four-Person Teams
18-hole Modified Scramble**

**\$175 per player
(Includes cart, fees, lunch &
1 Mulligan per player)**

KICK OFF 2009!!!

**With the our version
Of the Vegas Hole**

PLUS:

Closest to Pins

Longest Putts

Longest Drives

Hole In One

Golf Poker



The Phoenix Region Future City Competition is open to 7th and 8th graders across the state. Additional information can be found at www.futurecity-phoenix.org. For further information on the golf tournament, contact Andrew Smigielski at SouthWest Traffic Engineering 602.266.7983 or smig@swte.us.

Design the Future Golf Tournament Entry Form

Name	Company	Phone/E-mail
1		
Address		
2		
Address		
3		
Address		
4		
Address		
<input type="checkbox"/> Please keep players 1-2-3-4 together <input type="checkbox"/> Please pair us with others <input type="checkbox"/> Sorry, I cannot attend, but please accept my contribution		_____ Players @ \$175 _____ Total
MAKE CHECKS PAYABLE TO: Future City Competition. Please complete and return this entry form by 8 January 2009 to: Andrew Smigielski, SouthWest Traffic Engineering, 3838 North Central Avenue, Suite 1810, Phoenix, AZ 85012 (phone-602.266.7983, fax -602.266.1115).		
Thank you for participating!		



Celebrating 125 Years
of Engineering the Future

**Mark Your Calendar Now
and
Plan to Attend the**

**IEEE PHOENIX SECTION
ANNUAL BANQUET**

Saturday, February 7th, 2009

At

**Hilton Phoenix Airport
Grand Ballroom**

2435 South 47th Street
Phoenix, Arizona 85034
Tel: (480) 894-1600

Program:

6:00 pm – 7:00 pm Registration and Social Hour with Cash Bar
7:00 pm – 8:30 pm Dinner and Keynote Presentation
8:30 pm – 9:30 pm Section Awards Program

Keynote:

"Arizona: The Solar Capital of the World"

Ms. Barbara D. Lockwood

Manager, Renewable Energy, Arizona Public Service Company

IEEE Mentoring Connection

IEEE is offering its members the opportunity to participate in an online program which will facilitate the matching of IEEE members for the purpose of establishing a mentoring partnership. By volunteering as a mentor, individuals use their career and life experiences to help other IEEE members in their professional development. I believe this program can be a great tool to provide our newest members of our profession guidance in their careers and provide experienced members a chance to hear first hand from the newly graduated about the latest training the next generation is receiving. This is a program for higher level members and is provided to help ease the transition out of school and into a career.

As a mentee, you lead your partnership by selecting your mentoring partner from among those who have volunteered to serve in this capacity. I ask that you review the time and effort commitment to the program to ensure a successful mentoring partnership. Participation in the program is voluntary and open to all IEEE members above the grade of Student Member.

If you are interested, please go to <http://www.ieee.org/mentoring> for information on the roles and responsibilities of each mentoring partner. I encourage you to take advantage of the IEEE network of technical professionals or offer your expertise and sign up for the online mentoring program today.

Who can be an IEEE Mentor?

IEEE higher-grade members (above Student Member grade) who are, but not limited to:

- Willing to give time and effort to the mentoring partnership (we suggest minimum of two hours per month)
- Able to communicate effectively with others
- Willing to share some career successes and failures
- Individuals who may be or have been executives, consultants, or in middle or upper management, or in research
- Individuals who may be or have been educators, entrepreneurs, or self-employed
- Individuals who may be or have been proven leaders offering inspiration and insight
- Individuals who may be or have been IEEE officers or volunteers
- Willing to review an orientation session to learn guidelines, tools of program and the mentee and mentor's role and responsibilities

Who can be an IEEE Mentee?

IEEE higher-grade members (above Student Member grade) who are, but not limited to:

- New professionals in their first or second job, or considering entering graduate programs
- Recent graduates entering the professional workforce for the first time
- Professional making a career move or career change
- Passionate for learning
- Willing to give time and effort to the mentoring partnership (we suggest minimum of two hours per month)
- Willing to identify and clarify their developmental goals
- Interested in learning from another professional "who has been there"
- Willing to participate in mentee orientation session to learn guidelines, and tools of program and their role and responsibilities as a mentee

This program deserves your consideration and doesn't require a large amount of time on your part. It can provide of great assistance to the next generation of engineers.

Russ Kinner
Conferences Chair, Phoenix Section

Phoenix Section Executive Committee Meeting

- First Tuesday of the month.

No Meetings in July and August

January '09 Meeting:

Date: January 6, 2009, Tuesday

Time: 6:00 pm to 8:00 pm

Place: Monti's La Casa Vieja, Tempe, AZ 85281

More Info:

Regular Meetings are held on the first Tuesday of the month at the Phoenix Airport Hilton Hotel. All interested IEEE members are welcome to attend.

Contact:

Keith Holbert, Phoenix Section Chairman, holbert@asu.edu

IEEE Phoenix - Calendar of Events for January 2009:

IEEE Phoenix Section **IEEE**

Local activities in the Phoenix Section

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

January 2009



Choose Year: 2009



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 New Years Day	2	3
4	5	6 6:00p-8:30p Phoenix Section Executive Board Meeting	7	8	9	10
11	12	13	14 6:00p Computer Society Chapter Meeting	15 12:00p-1:30p Power and Energy Society Chapter	16	17 Fundraiser for Phoenix Region Future City Competition - Golf Classic
18	19	20	21	22	23	24
25	26	27	28	29	30	31
Sun	Mon	Tue	Wed	Thu	Fri	Sat