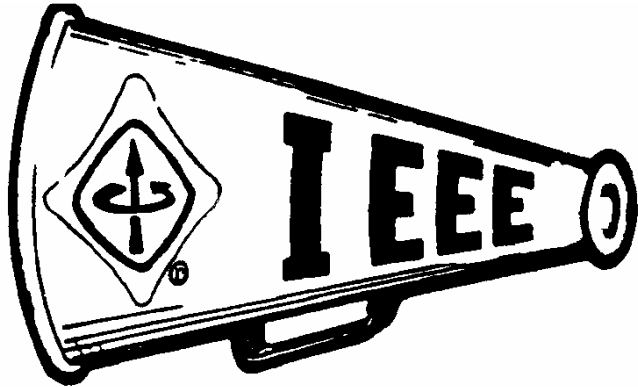


The Valley Megaphone



Newsletter of the
**Institute of Electrical and
Electronics Engineers, Inc.**
Phoenix Section
June 2007, Volume XXI, Number 6

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

Please send announcements for Valley Megaphone to Eric Palmer: ecpalmer@ieee.org.

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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 Eric Palmer 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, 1/2 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://www.ieee.org/phoenix>

IEEE ANNOUNCEMENTS

<p>Student Branches</p> <p>ASU Main, Engineering Chair: Cory P. Murphy ieeasuchair@gmail.com Advisor: Cihan Tepedelenlioglu, (480) 965-6623, Cihan@asu.edu</p> <p>ASU Main, Computer Society Chair: Guofeng Deng guofeng.deng@asu.edu Advisor: Joseph Urban, 480-965-3374, joseph.urban@asu.edu</p> <p>ASU Polytechnic Chair: Brian Siskoy bsiskoy@gmail.com Advisor: Barbara Rempel Barbara.Rempel@asu.edu</p> <p>DeVry, Phoenix Chair: Richard Taylor RLTaylor@ieee.org</p> <p>DeVry, Computer Society Chair:</p> <p>NAU, Engineering Chair: Advisor: Phil Mlsna, 928-523-2112 Phillip.Mlsna@nau.edu</p> <p>Embry-Riddle, Prescott Chair: Advisor: Chuck Cone conec@erau.edu</p>	<p>Phoenix Section Executive Committee Meeting – First Tuesday of the month.</p> <p>Time: 6:00 pm to 8:30 pm</p> <p>Place: Phoenix Airport Hilton, 2435 South 47th Street Phoenix, AZ, 85034 Phone: 480-804-6017</p> <p>Directions: From 143, exit University Ave, go west, turn right on 47th street.</p> <p>More Info: Meetings held first Tuesday of month. No meetings in July and August. All interested IEEE members are welcome to attend.</p> <p>Contact: Rao Thallam, Phoenix Section Chairman, ph: (602) 236-5481 or e-mail: thallam@ieee.org</p>
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IEEE ANNOUNCEMENTS



**2007 IEEE-USA Annual Meeting
Technical Workshops
31 August 2007**



The Phoenician Resort, Scottsdale, AZ
<http://thephoenician.com/pages/index.html>

Stay competitive through hands-on training and in-depth presentations. Meet industry experts. Share ideas and learn. Join us for technical workshops at the 2007 IEEE-USA Annual Meeting where you will participate in hands-on training highlighting some of the latest technologies. All attendees will receive a certificate for 7 PDHs.

Registration 7:00 - 8:00 am

Disaster Recovery	LabVIEW	Rational	Emerging Technology
Disaster Recovery Vishnu Pandey - HP	LabVIEW & Computer-Based Measurements Doug Kunz & Michael Bryner - NI	Modern Software Best Practices & Techniques Anthony Crane - IBM	Technologies, Tools & Instructional Resources John McLellan - Freescale
Keynote Luncheon - Technology Challenges Facing Engineering to Meet Cost & Performance Dr. Gaurang Choksi, Manager, Intel Core Competency Group			
Disaster Recovery Vishnu Pandey - HP	LabVIEW RealTime Doug Kunz & Michael Bryner - NI	Modern Software Best Practices & Techniques Anthony Crane - IBM	RFID Technology Seminar Emily Sopensky - IEEE Kristin Hedger & Gene Fedors Virtual Training Environment Jim Wrubel - SEI

Course Information:

Disaster Recovery: Need data availability 24/7? An overview of Storage Area Networks (SANs), followed by in-depth discussion of architecting a fully-redundant solution that provides the best protection for your data.

LabVIEW and Computer-Based Measurements Hands-On: Learn how to build measurement and control applications through practical examples using National Instruments LabVIEW graphical programming.

LabVIEW RealTime: Learn how to design real-time, deterministic data acquisition and control applications.

Modern Software Best Practices & Techniques: Learn essentials of iterative development with Rational Unified Process, requirements management in an iterative lifecycle, successful use cases and enabling Portfolio Management.

Technologies, Tools & Instructional Resources: A demonstration of learning environments, student educational kits, and accompanying lab modules designed for industry, educational institutions and hobbyists. Freescale Semiconductor will present their broad portfolio of technologies, innovative products, and services.

RFID Technology: Emily Sopensky, The Iris Company, Kristin Hedger, Killdeer Mountain Manufacturing, and Gene Fedors, RFID Technical Institute, will present an introduction to RFID technology and its applications.

SEI's Virtual training Environment: High-fidelity Web-based training using video and hands-on labs. This presentation will describe the key technologies used in VTE, demonstrate the application, and offer lessons learned.

Workshop Registration Fee (before July 15)*

Includes keynote luncheon

Student/Life Member	\$55
IEEE Member	\$150
IEEE Non-Member	\$200

Workshop Registration Fee (after July 15)

Includes keynote luncheon

Student/Life Member	\$60
IEEE Member	\$195
IEEE Non-Member	\$250

Attendee Registration available on-line at

<http://www.ieeeusa.org/calendar/conferences/2007annualmeeting/registration/default.asp>

*Corporate discount - 5 conference attendees for \$600, Contact Linda Hall at l.hall@ieee.org for corporate registration.

Platinum Sponsors:



Gold Sponsors:



IEEE ANNOUNCEMENTS

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
Membership Chair, Phoenix Section

RE-SEED

Retirees Enhancing Science Education through Experiments & Demonstrations

Overview

RE-SEED (Retirees Enhancing Science Education through Experiments and Demonstrations) is a Northeastern University program that prepares engineers, scientists, and other individuals with science backgrounds to work as volunteers, providing in-classroom support to upper elementary and middle school science teachers with teaching the physical sciences.

After completing a comprehensive free training program, participants volunteer in middle school classrooms on the average once a week for at least one year. RE-SEED began in 1991 with six volunteers. To date close to 500 RE-SEED volunteers have worked in schools in about 100 communities throughout the country offering about 500,000 hours of their time.

Nationally, 75 percent of 7th and 8th grade students are taught physical science by teachers who do not have a major or a minor in the subject (The National Science Board, Science and Engineering Indicators 2000). RE-SEED volunteers possess talent and expertise that complement those of science teachers. They bring with them a wealth of knowledge and experience that allows them to make science interesting and relevant to everyday situations.

RE-SEED volunteers work closely with the host science teachers to help them enrich and implement their school curriculum. Overall the volunteers become involved members of their schools' and even their districts' teaching team, sometimes taking part in curriculum adoption decisions.

Please contact us by email at reseed@neu.edu or phone 888-742-2424; Shelia Kirsch at Sheila.Kirsch@asu.edu and / or Deirdre Weedon, d.weedon@neu.edu. if you are interested in learning more about these training programs.