

# The Valley Megaphone

Newsletter of the  
**Institute of Electrical and  
Electronics Engineers, Inc.,  
Phoenix Section**  
February 2014,  
Volume XXVIII, Number 2



## Executive Committee 2014

### Chair

Barbara McMinn 602-371-6383  
[barbara.mcminn@aps.com](mailto:barbara.mcminn@aps.com)

### Vice Chair

Bruce Ladewig, 480-620-9291  
[bruceladewig@ieee.org](mailto:bruceladewig@ieee.org)

### Secretary

Surinder Tuli, 480-554-8275  
[Surinder.tuli@gmail.com](mailto:Surinder.tuli@gmail.com)

### Treasurer

Vivek Gupta, 480-734-0266  
[vmgupta@msn.com](mailto:vmgupta@msn.com)

### Past Chair

Charles Weitzel, 480-292-0531  
[c.weitzel@ieee.org](mailto:c.weitzel@ieee.org)

### Publicity

Mahesh Shah, 480-544-9438  
[mkshah@ieee.org](mailto:mkshah@ieee.org)

### PACE

Vivek Gupta, 480-734-0266  
[vmgupta@msn.com](mailto:vmgupta@msn.com)

### Membership

Vasudeva P. Atluri,  
480-227-8411  
[vpatluri@ieee.org](mailto:vpatluri@ieee.org)

### Student Activities

S.Diane Smith, 602-749-4601  
[sdianesmith@computer.org](mailto:sdianesmith@computer.org)

### Conferences

Brad Morantz, 480-348-5945  
[Phx.Conf@yahoo.com](mailto:Phx.Conf@yahoo.com)

### Awards

Vasudeva P. Atluri,  
480-227-8411  
[vpatluri@ieee.org](mailto:vpatluri@ieee.org)

### Inter-Society

Mike Andrews, 480-991-1619  
[m.andrews@ieee.org](mailto:m.andrews@ieee.org)

### Webmaster

Krishna Bharath 480-552-8913  
[kbharath@ieee.org](mailto:kbharath@ieee.org)

## In this Issue of the Valley Megaphone: Table of Contents

U – News .....	2
Student Branches .....	2
Upcoming Conferences.....	3
CPMT Phoenix Chapter.....	4
Computer Society.....	5
Power & Energy Society.....	7
Communication Society.....	10
Life Member Affinity Group.....	12
IEEE Gold.....	14
2014 IEEE Phoenix Section News .....	15
Phoenix Section Executive Committee Meeting....	15
Phoenix Section Annual Banquet.....	15
Reliability Chapter Forming Request .....	16
Phoenix Section LinkdIn Group.....	16
IEEE Phoenix Section on Social Media.....	17
IEEE Membership Grade Advancement .....	18
Enhanced Senior Member Application Launched...18	
IEEE Member's Benefit.....	18

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

Please send announcements for the *Valley Megaphone* to Mahesh Shah at [mkshah@ieee.org](mailto:mkshah@ieee.org) for inclusion in the Section Calendar.

The IEEE Banquet pictures are up at <http://sites.ieee.org/phoenix/category/annual-banquet/>

**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](mailto:pturaga@asu.edu)

### Computer Society

Jerry Crow  
[jerry.crow@computer.org](mailto:jerry.crow@computer.org)

### CPMT Society

Mahesh Shah  
480-544-9438  
[mkshah@ieee.org](mailto:mkshah@ieee.org)

### Education Chapter

Martin Reisslein, 480-965-8593  
[reisslein@asu.edu](mailto:reisslein@asu.edu)

### EMBS Chapter

TBD

### EMC Society

Harry Gaul, 480-441-5321  
[harry.gaul@ieee.org](mailto:harry.gaul@ieee.org)

### GOLD

Shafiul "Jacky" Islam 520-245-9010  
[shafiul.islam@intel.com](mailto:shafiul.islam@intel.com)

### Power & Energy Society

Craig Smith  
[craig.smith@aps.com](mailto:craig.smith@aps.com)

### Solid State Circuits

Cyndi Recker  
[cyndi.recker@ieee.org](mailto:cyndi.recker@ieee.org)

### Teacher-In-Service

Rickie Currens  
[Rickie.Currens@att.net](mailto:Rickie.Currens@att.net)

### Waves & Devices Society

Steve Rockwell  
[steve.rockwell@ieee.org](mailto:steve.rockwell@ieee.org)

### Life Members

Les Daviet II  
[lesdavietii@cs.com](mailto:lesdavietii@cs.com)

### Women In Engineering

Shamala Chickamenahalli  
[shamala.chickamenahalli@intel.com](mailto: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](mailto:sdianesmith@computer.org)  
Student Activities Chair

### **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](mailto:sdianesmith@computer.org)

## **Student Branches**

### **ASU Main, Engineering**

Chair: Jennifer Taggart  
928-581-5198,  
[jennifer.taggart@asu.edu](mailto:jennifer.taggart@asu.edu)  
Advisor: Cihan Tepedelenlioglu,  
480-965-6623, [cihan@asu.edu](mailto:cihan@asu.edu)

### **ASU Main, Computer Society**

Chair: TBD  
Advisor: Guoliang Xue  
480-965-6218, [xue@asu.edu](mailto:xue@asu.edu)

### **ASU Polytechnic**

Chair: TBD  
Advisor: TBD

### **DeVry, Phoenix**

Chair: Lori Renaldi  
[lorirenaldi@computer.org](mailto:lorirenaldi@computer.org)

Advisor: Diane Smith  
[dsmith2@devry.edu](mailto:dsmith2@devry.edu)

### **DeVry, Computer Society**

Chair: TBD  
Advisor: Diane Smith  
[dsmith2@devry.edu](mailto:dsmith2@devry.edu)

### **NAU, Engineering**

Chair: TBD  
Advisor: Niranjana Venkatraman  
[v.niranjana@ieee.org](mailto:v.niranjana@ieee.org)

### **Embry-Riddle, Prescott**

Chair: Lisa M. Ferguson  
[FERGUSL2@my.erau.edu](mailto:FERGUSL2@my.erau.edu)  
Advisor: John E. Post  
[postj@erau.edu](mailto:postj@erau.edu)

## **U – Newsbytes**

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

The Embry-Riddle Aeronautical University IEEE Student Branch would like to send an update of their activities in the month of January. We held our monthly general meeting and had twelve students in attendance along with a faculty member. We discussed and advertised for the upcoming IEEE Phoenix Section Annual Banquet, listened to a technical presentation about amateur radio and education, and held mid-semester officer elections for the positions of secretary and treasurer. The newly elected treasurer will shadow the current treasurer until the current treasurer's graduation. This should aid in the transitional period for the new officer.

The ERAU IEEE Student Branch was also present at the ERAU Spring Semester Activity Fair. We recruited several new members and continue to be an active Student Branch on campus. In February, we plan on holding our monthly general meeting and sponsoring an egg drop competition for Engineers Week. The Egg Drop Competition will be open to all students on campus and prizes will be awarded for first, second, and third place.

Sincerely,  
Lisa Ferguson  
ERAU IEEE Student Chair  
Electrical Engineering  
Class of 2016



## **Upcoming Conferences in February in Region 6**

There are 5 conferences in the entire Region 6 in the month of February 2014.

Four are in California (Laguna Beach, San Diego, and San Francisco) and one is in Hawaii.

They have chosen places with exceptional climate.

The contact for the Phoenix IEEE conference chair is [Phx.Conf@yahoo.com](mailto:Phx.Conf@yahoo.com)



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

### 2014 Executive Committee for CPMT Chapter for IEEE-Phoenix Section

Position	Name	Phone Contact	Email Contact
Chair	Dr. Mahesh K. Shah	(480) 544-9438	<a href="mailto:mkshah@ieee.org">mkshah@ieee.org</a>
Asst. Chair	Mr. Vivek Gupta	(480) 734-2366	<a href="mailto:vmgupta@msn.com">vmgupta@msn.com</a>
Secretary	Dr. Devarajan Balaraman	(480) 619-0944	<a href="mailto:iaingoibiking@gmail.com">iaingoibiking@gmail.com</a>
Treasurer	Mr. Surinder L. Tuli	(480) 287-1437	<a href="mailto:surinder.tuli@gmail.com">surinder.tuli@gmail.com</a>
Program Chair	Mr. David Dougherty	(480) 245-8099	<a href="mailto:david.dougherty@freescale.com">david.dougherty@freescale.com</a>
Asst. Program Chair	Dr. Nageswara R. Janapala	(650) 213-6733	<a href="mailto:nageswara.r.janapala@intel.com">nageswara.r.janapala@intel.com</a>
Tutorial Chair	Dr. Ashish Gupta	(480) 554-2409	<a href="mailto:ashish.x.gupta@intel.com">ashish.x.gupta@intel.com</a>
Asst. Tutorial Chair	Adel Elsherbini	(734) 686-2278	<a href="mailto:a.elsherbini@gmail.com">a.elsherbini@gmail.com</a>
Workshop Chair & Publicity	Dr. Vasudeva P. Atluri	(480) 227-8411	<a href="mailto:vpatluri@ieee.org">vpatluri@ieee.org</a>

### Tentative Schedule for Monthly Seminars

We are planning to arrange monthly Seminars on topics of interest on following days. If you have suggestion for topics and/or speakers please contact any of the executive committee members listed above.

**Wednesday, February 26** – Lecture by Dr. Sandeep Sane from Intel. Details will be announced soon.

Future Lectures are being planned for 3<sup>rd</sup> Wednesday of each month. Tentative dates are: March 19<sup>th</sup>, April 23<sup>th</sup>, May 21<sup>st</sup>, June 18<sup>th</sup>, July 23<sup>rd</sup>, August 20<sup>th</sup>, September 17<sup>th</sup>, October 22<sup>nd</sup>, November 19<sup>th</sup> and December 17<sup>th</sup>.

### Additional Activities – Tutorial and Workshop

In addition to monthly seminar, we are planning to do a half day Tutorial to discuss one topic in more detail in late April early May time frame and a one day Workshop on **Emerging Device and Packaging Technology** in Fall. If you suggestions for topic or speakers to contact, please feel free to contact me or appropriate members of the Executive Committee listed above.

**Web Master** – If you are knowledgeable with Word Press and are willing to help, the Chapter is looking for a volunteer to create and maintain its Webpage in association with Phoenix Section and CPMT Society Webpage



## Phoenix Chapter of the IEEE Computer Society February, 2014

### News

- We continue to assemble our programs for 2014. Tentative 2014 chapter meeting dates are listed below. Mark your calendars to save the dates:
  - March 5<sup>th</sup> at DeVry University (see below)
  - May 7<sup>th</sup> at DeVry University
  - July 2<sup>nd</sup> at DeVry University
  - Sep 3<sup>rd</sup> at DeVry University
  - Nov 5<sup>th</sup> at DeVry University

Details of the program for these chapter meetings will be published as the speakers are confirmed.

### Future Events

- March 5th – Chapter meeting, DeVry University, speaker IEEE Distinguished Visitor Dr. Hal Berghel, “[The Digital Assault on Privacy](#)”

#### **The Digital Assault on Privacy**

George Orwell and Thomas Huxley are frequently mentioned in the context of the June, 2013 NSA PRISM and Verizon surveillance leaks. While both feared big government and big controls, they feared it for different reasons. This difference will set the tone for this talk.

We will begin with the history of the U.S. involvement in surveillance, from the early analog days to the latest digital technologies. We'll explain the alleged motivations, technologies and civil libertarian consequences of each surveillance project. We will specifically discuss: Echelon, Carnivore, Naruinsight, Magic Lantern, Trailblazer, Stellar Wind/Ragtime, TAO (Tailored Access Operations), and PRISM. The speaker will also cover corporate surveillance by high tech companies and cyber intelligence mercenaries. Discussion will likely include products like Google Now, Google Glasses, H.B. Gary Federal's FastDump and Magenta, and Gamma Group's FinFisher. The speaker will conclude with speculation on future directions for government and private surveillance programs the privacy implications that will arise therefrom.

**Dr. Hal Berghel** is currently Professor of Computer Science at the University of Nevada, Las Vegas where he has previously served as Director of both the School of Computer Science and School of Informatics, and Associate Dean of the College of Engineering. He is also the founding Director of the Identity Theft and Financial Fraud Research and Operations Center and CyberSecurity Research Center. His research interests are wide-ranging within the binary and digital ecosystem, ranging from logic programming and expert systems, relational database design, algorithms for non-resolution based inferencing, approximate string matching, digital watermarking and

steganography, and digital security – including both computer and network forensics. Since the mid-1990's he has applied his work in digital security to law enforcement and intelligence gathering, particularly with respect to digital crime, cyberterrorism, information warfare and trusted identities. His research has been supported by both industry and government for over thirty years. His most recent work in secure credentialing technology was funded by the Department of Justice. In addition to his academic positions, Berghel is also a popular columnist, author, frequent, talk show guest, inventor, and keynote speaker. For nearly fifteen years he wrote the popular Digital Village column for the Communications of the ACM, and for the past two years has written the popular Out-of-Band column for IEEE Computer.

Berghel is a Fellow of both the Institute for Electrical and Electronics Engineers and the Association for Computing Machinery, and serves both societies as a Distinguished Visitor and Distinguished Lecturer, respectively. He has received the ACM Outstanding Lecturer of the Year Award four times and was recognized for Lifetime Achievement in 2004. He has also received both the ACM Outstanding Contribution and Distinguished Service awards. He is also the founder and owner of Berghel.Net, a consultancy serving business and industry.

- May 7th – Chapter meeting, DeVry University, presentation on solid state disk drives by representatives from Intel Corporation.

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).

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 ( <a href="mailto:jerry.crow@computer.org">jerry.crow@computer.org</a> )
Vice-chair:	Brad Morantz ( <a href="mailto:bradscientist@ieee.org">bradscientist@ieee.org</a> )
Secretary/Webmaster:	Audrey Skidmore ( <a href="mailto:askidmore@computer.org">askidmore@computer.org</a> )
Treasurer:	Diane Smith ( <a href="mailto:sdianesmith@computer.org">sdianesmith@computer.org</a> )

Power & Energy Society



## IEEE Power and Energy Society Phoenix Chapter

<http://www.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](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](http://www.ieee.org/membership_services/membership/senior/index.html)

### February Luncheon Meeting

Date: Friday February 21st, 2014  
Time: 9:30 am – 10:30am: Registration  
11:30: Lunch  
10:30am pm: Program  
Location: ASU, Tempe Campus  
Memorial Union, Ventana Ballroom 241 (2<sup>nd</sup> Floor)  
Speaker: Charles Bayless  
Topic: Net Metering and Solar Power  
Cost: FREE  
Reservations: 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 February 14th, 2014



## Joint ASU & IEEE PES Phoenix Chapter Distinguished Speaker + Luncheon

**Date: Friday, February 21<sup>st</sup>, 2014**

**Time:** 9:30am-10:30am: Registration  
10:30am: Seminar  
11:30am: Lunch

**Location:** Arizona State University, Tempe Campus (see attached maps)  
Memorial Union, Ventana Ballroom 241 (2<sup>nd</sup> Floor) (see attached maps)

**Speaker:** **Charles Bayless**

**Topic:** Net Metering and Solar Power, The flows of Money and Electrons.

**Abstract:** Mr. Bayless will discuss the questions that must be considered for the integration of large amounts of renewables into the grid followed by a look at what are the economic effects on customers installing rooftop solar, other customers and the utility.

**Bio:** Mr. Bayless was previously the President and Provost of the West Virginia University Institute of Technology, a divisional Campus of West Virginia University. Mr. Bayless has served as the Chairman, President, and Chief Executive Officer of Illinova Corporation, and its' wholly owned subsidiary, Illinois Power Company, and he has previously served as Chairman, President, and Chief Executive Officer of Tucson Electric Power Company. Mr. Bayless holds a BSEE, a MSEE, a Law degree, and a MBA.

**Cost:** **Lunch is FREE! Attendees will have to cover the cost of parking at ASU (see attached parking map).**

**Reservations:** **REQUIRED! Must Register by Friday, February 14<sup>th</sup>**  
**Register Online at:** <http://ewh.ieee.org/soc/pes/phoenix/lunch1402.php>

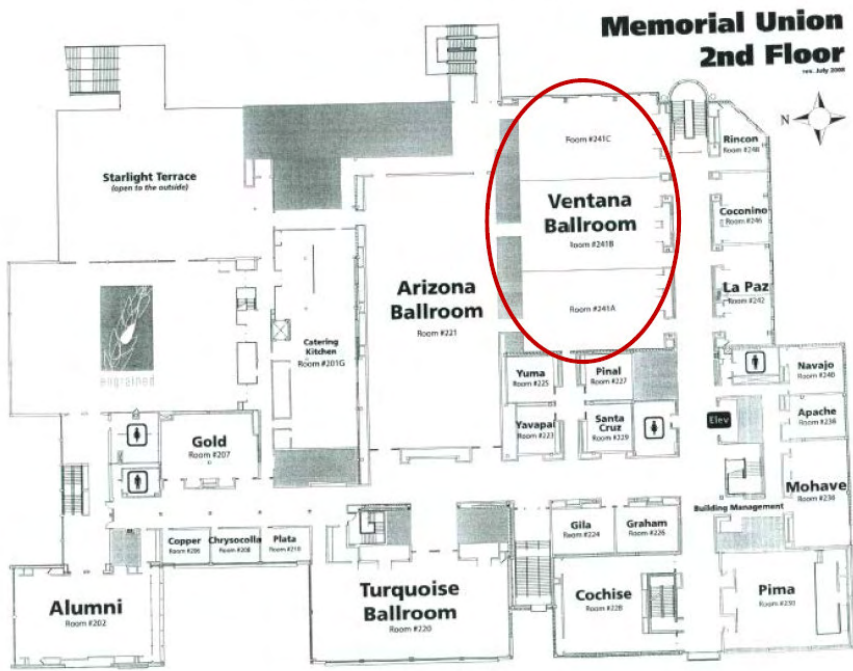
More information regarding the PES Phoenix Chapter can be found at: <http://ewh.ieee.org/soc/pes/phoenix/>

### Sponsored by:





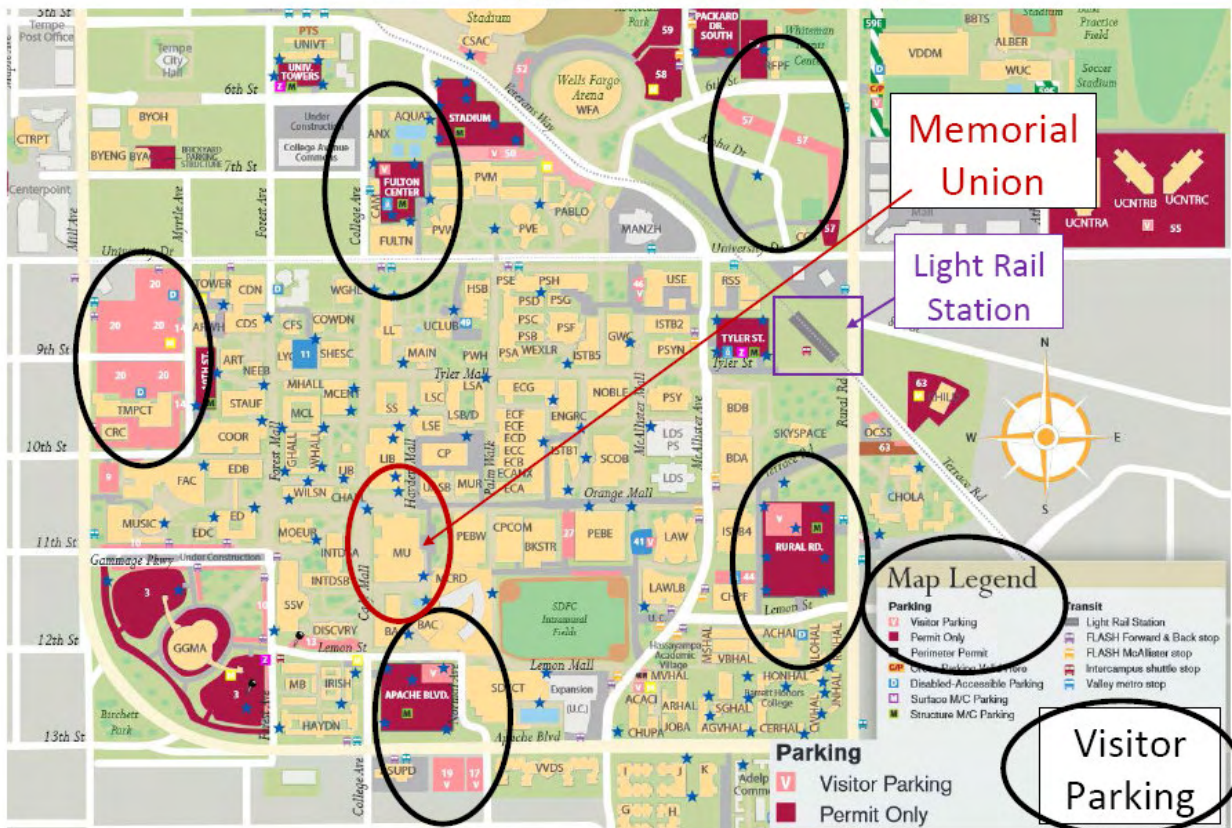
Ventana Ballroom Map:

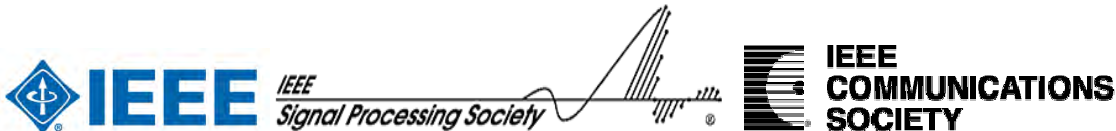


ASU Visitor Parking Map:

Link: <http://asu.edu/parking/maps/tempe-current.pdf>

Info & Rates: <http://cfo.asu.edu/pts-visitor-tempe>





## SP-COM Phoenix Chapter

### New Google Group!

We have recently started a google group to be able to send you more timely announcements via email for upcoming events and talks. Please sign up for timely email announcements at the below link

<https://groups.google.com/d/forum/ieee-sp-com-phoenix-chapter>

In addition, we continue to post meeting notices on IEEE vtools at (<https://meetings.vtools.ieee.org/main>)

### Upcoming Talks

#### SenSIP/IEEE SPCOM Student Seminar Series: Comparison of Fading Channels

---



#### Adithya Rajan

Topic: Comparison of Fading Channels

In this talk, we will be focusing on a new method to compare two wireless channels. This is based on the theory of stochastic ordering, which is typically used in insurance and finance risk comparisons. Our new method allows us to make a unified comparison of fading channels based on a wide variety of metrics used in wireless communications, such as the average symbol error rate, outage probability and ergodic capacity. In addition, we can make predictions about what types of systems preserve the order, and what types of systems may not preserve the order. Such channel comparisons are extremely useful in scenarios where a closed-form expression for the metric cannot be obtained.

Biography: Adithya Rajan received the B.E. degree in electronics and communication engineering in 2007 from Sathyabama University, Chennai, India, and the M.S. degree in 2010 from Arizona State University, Tempe, where he is currently working toward the Ph.D. degree in electrical engineering. His research interests include stochastic ordering, wireless communications, multiple antenna systems, non-Gaussian noise and diversity-combining techniques.

Location:

Building: Goldwater Center

Room Number: 487

Arizona State University

Tempe, Arizona

United States

[Click here for Map](#)

Date: 07-February-2014

Time: 11:00AM to 12:00PM (1.00 hours) All times are: US/Arizona

## Future Seminars

2/21 – Prasanna Sattigeri: Exploiting structure in data for supervised tasks: Methods and Applications

3/7 – Mohit Shah: Automatic emotion recognition using latent topic models

3/21 – Samuel Dodge: Attentive Machine Vision: Computational Modeling of Human Visual Attention

4/4 – Rushil Anirudh: Test driving object detectors and classifiers: Estimating performance on unlabeled data

5/2 – Revak Tyagi: Performance Models for LTE-Advanced Random Access

### **New Google Group!**

**Please sign up for timely email announcements at our google group link:**

<https://groups.google.com/d/forum/ieee-sp-com-phoenix-chapter>



## Phoenix Section Life Member Affinity Group

# Technical & Administrative Meeting February 11, 2014

**Technical Program:** Introductions of attendees with brief description of expertise.

### Projects for Discussion

### TOPICS FOR TECHNICAL PRESENTATIONS FOR 2014 TECHNICAL MEETINGS

1. TOPICS FOR TECHNICAL PRESENTATIONS FOR 2014 TECHNICAL MEETINGS
2. 2014 LMAG ACTIVITIES
  - a. ARIZONA SCIENCE LAB MANPOWER SUPPORT
  - b. BEGIN ANNUAL SCHOLARSHIP PROGRAM
  - c. PROGRAMS TO ENCOURAGE YOUTH TO PURSUE ENGINEERING AS A CAREER
3. VOLUNTEERS FOR INVESTIGATION INTO TEAM IDEAS.

**When:** Tuesday, February 11, 2014, 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](mailto: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](mailto: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](http://www.ieee.org/web/volunteers/mga/home/life_members_committee/index.html)

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

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

- Tuesday, February 11, 2014
- Tuesday, May 13, 2014
- Tuesday, October 14, 2013
- Tuesday, December 9, 2014

**Officers:**

Chair	Leslie Daviet II	lesdavietii@cs.com
Vice Chair	Position is Vacant	
Secretary	Tom Lundquist	<a href="mailto:Tom.Lundquist@ieee.org">Tom.Lundquist@ieee.org</a>
Treasurer	Leslie Daviet II	<a href="mailto:lesdavietii@cs.com">lesdavietii@cs.com</a>
Program	Ronald L. Sprague,	<a href="mailto:r.sprague@ieee.org">r.sprague@ieee.org</a>
Past Chair	A. Barry Cummings	abarrycummings@gmail.com



# IEEE GOLD

Phoenix Section Affinity Group



## IEEE Graduates of the Last Decade (GOLD) / Young Professionals Phoenix Section Officers

- Chairman: Shafiul “Jacky” Islam (shafiul.islam@intel.com)
- Vice Chairman: Jennifer Taggart (jennifer.taggart@asu.edu)
- Treasurer: Ashley Meredith (ashley.meredith@aps.com)
- Secretary/Webmaster: Joseph Caglio (joseph.m.caglio@intel.com)

## 2013 Key Highlights for IEEE Graduates of the Last Decade / Young Professionals

In 2013, the primary focus was in officer recruitment, officer training, establishing relationships with other organizations, and building up the momentum. We were able to improve financial situation and were primarily involved in administrative meetings, networking, and a few professional/nontechnical events provided below:

- IEEE Engagement Opportunities – Presentation at IEEE-HKN Student Leadership Conference  
3/15/13 at ASU
- 5/12/13 Intel International Science and Engineering Fair – Presentation at the R6 SWA Meeting
- 8/24/13 IEEE GOLD Strategic Alliance – Proposal Presentation at the R6 SWA Meeting
- 9/10/13 Mentoring Freshmen (with WIE) at Engineering Career Exploration Night 2013 at ASU
- 11/15/13  
3 Presenting for Excellence – Presentation Workshop



## Vice Chairman Recruitment –January 2013

In January 2013, we recruited Jennifer Taggart as our Vice Chairman to take office on 02/01/2014.

## Tentative Plan of Events for 2014

In 2014, we would like to have various events in the following categories:

- Technical
- Professional
- Social
- Administrative

This year we would like to have Fundamentals of Engineering examination preparation as one of our core technical track of events. Additionally, we would also like to have a Leadership Conference as a year-end grand event.

 **2014 IEEE Phoenix Section News**

View or down load the pictures from IEEE Phoenix Section Annual Banquet 2013 at: <http://sites.ieee.org/phoenix/category/annual-banquet/>

## Executive Committee Meeting

Upcoming Meeting Tuesday, March 4, 2014  
The Airport Hilton Phoenix,  
2435 S 47th St. Phoenix, AZ 85034, (480) 894-1600.

## 2014 Executive Committee

Chair: Barbara McMinn  
Vice Chair: Bruce Ladewig  
Secretary: Surinder Tuli  
Treasurer: Vivek Gupta  
Past Chair: Charles Weitzel

## Executive Committee Meetings

**Date:** First Tuesday of every month, except July and August

**Time:** 6:00 – 8:00 p.m.

**Location:** Hilton Phoenix Airport, 2435 South 47th Street, Phoenix, AZ 85034

## IEEE Phoenix Section Annual Banquet 2014

IEEE Phoenix Section is holding the Annual Banquet 2014 on Saturday, February 8<sup>th</sup>, 2014, from 6:00 PM to 9:30 PM at Hilton Phoenix Airport located at 2435 South 47<sup>th</sup> Street, Phoenix, AZ – 85034.

The agenda for the banquet includes:

6:00 PM – 7:00 PM Registration / Social Hour

7:00 PM – 8:00 PM Dinner

8:00 PM – 8:30 PM Keynote

8:30 PM – 9:30 PM Awards Presentation

The online banquet registration site will be accessible on January 1<sup>st</sup>, 2014 at

<http://sites.ieee.org/phoenix>.

For additional information, contact Dr. Vasudeva P. Atluri, Section Awards Committee Chair, at (480) 227-8411 (Cell) and by email at [vpatluri@ieee.org](mailto:vpatluri@ieee.org), or Dr. Charles E. Weitzel, Section Chair, at (480) 292-0531 (Cell) and by email at [c.weitzel@ieee.org](mailto:c.weitzel@ieee.org).

## **IEEE Phoenix Section – Request for Forming Reliability Chapter**

### **Reliability Chapter Forming**

The IEEE Reliability Society (IEEE RS) is collecting signatures for a petition to form an IEEE Reliability Society Chapter in the state of Arizona. A Chapter is a technical sub-unit of the IEEE that serves the needs of the IEEE Reliability Society members at the local level. There are more than 20 Reliability Society Chapters worldwide. The IEEE RS plans to collaborate with the IEEE Phoenix Section, as well as, the IEEE Sections in Tucson and Sierra Vista/Ft Huachuca in forming this new state-wide IEEE Reliability Chapter. The Reliability Chapter will focus on 3 meetings in the first 6 months after being created. The topics that may be discussed will include new IEEE Reliability Standards (e.g., IEEE 1633), new software reliability techniques and reliability growth techniques. The IEEE RS plans to rotate Chapter meetings between the 3 state locations. If you are a member of the IEEE, but not an IEEE-RS member, you could join the society for \$35 and be a charter member to help in the formation of this new Chapter. If you are an IEEE RS member and want to sign the petition, please contact Lou Gullo at [Louis.Gullo@ieee.org](mailto:Louis.Gullo@ieee.org).

### **IEEE Senior Member and Fellow Grade**

IEEE Phoenix Section Membership Development would like to nominate eligible IEEE Members from the Section to Senior Member and Fellow Grades. Please review the requirements at [www.ieee.org](http://www.ieee.org) for eligibility.

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

---

## **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

We have made good progress in our Facebook page so far.

We have 43 people who Like this page (subscribers). Our first goal is to reach 500 likes by end of this year.

The activity chart shows that between 100 to 160 people are accessing this page every week.

You can access the web page three ways:

Use the URL: <https://www.facebook.com/IEEEPhoenixSection>

Click on the Facebook logo link from IEEE Phoenix section home page. <http://sites.ieee.org/phoenix/>

Search for IEEE Phoenix Section from your Facebook page.

We need following help.

1. Each of you access the IEEE Phoenix Section Web page and click on "Like" hyperlink.
2. Go on the Friends section of the page and "Invite Your Friends." Once you click on Invite button, it will get your email contact list. Your facebook contact list will already be populated with your Facebook friends and you can simply click the Invite button next to their name. Please invite as many friends as you can.
3. Provide me the contents for posting on a regular basis - meeting/ event announcements, Event pictures, Videos.
4. Start some discussion topics under - Status section.

If you have any questions, please call me.

Thanks for your help in advance.

I will send out regular reminders as well to make sufficient progress.

Vivek Gupta  
Pace Chair  
IEEE Phoenix Section

480-734-0266

## 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](http://www.ieee.org). Please contact IEEE Phoenix Section Membership Development Chair, Dr. Vasudeva P. Atluri, at [vpatluri@ieee.org](mailto:vpatluri@ieee.org) for additional information.

---

### Enhanced Senior Member Application Launched

Effective 29 July 2011, IEEE Admission and Advancement launched a [new Senior Member Application](#). The new application includes numerous enhancements, based on feedback from volunteers and members, including:

- New user friendly format / design
- Secure environment (need IEEE Web account)
- Ability to save application in “draft” form
- Ability to upload resume or Curriculum Vitae (up to 3 MB)
- Applicant can view application online
- Applicant can view status of requested reference forms
- References will be notified by email to provide applicant reference
- References will have the ability to view their completed reference form(s)
- Real time application status

The goal is to provide prospective Senior Members with an easy to use and intuitive interface, while streamlining internal operations at the same time. [View the new Senior Member application](#).

---

## IEEE Member's Benefits

### IEEE-USA's Free E-Books to Members

#### February Free E-Book

IEEE-USA's Free E-Books to Members Gives Guidance on Delivering Dynamic Technical Presentations & How to Foster an Innovation Culture

WASHINGTON (31 January 2014) – In February, IEEE-USA E-Books will offer "Technical Presentations - Book 3: Style – Dynamic Delivery Techniques," by former IEEE-USA Vice President Nita K. Patel.

Topics include vocal variety, anxiety, pause, eye contact, body language, intangibles, Q&A and practice.

“A personal introduction, captivating opening, interesting body and compelling conclusion comprise the four major parts of a successful presentation,” Patel writes. “But once you have an organized and well-

written presentation, it's time to shift your focus to delivery by incorporating eye contact, varied voice and fluid body language.”

Regarding anxiety, something many people experience before or during a presentation, Patel highlights common habits presenters have that shows their uneasiness and offers methods for overcoming them.

“Technical Presentations - Book 3: Style – Dynamic Delivery Techniques” can be downloaded at <http://www.ieeeusa.org/communications/ebooks/files/miw28dn2/Technical-Presentations-Book-3.pdf> for free to IEEE members. The non-member price is \$9.99.

## **March Free E-Book**

In March, IEEE-USA E-Books will offer “Doing Innovation – Creating Economic Value: Book 3 – Fostering an Innovation Culture.”

This book, by Gerard “Gus” Gaynor, provides the fundamentals for developing a culture that fosters innovation.

Gaynor says, “the answer in one sense is very simple: find the right people; provide the freedom to act, but with discipline; implement effective and supportive management practices; provide the organizational resources and infrastructure; and promote an organizational attitude that focuses on achieving results.”

This e-book will be available to members in March.

To purchase IEEE members-only products, and to receive the member discount on eligible products, members must log in with their IEEE Web account.

## **Call for Authors**

IEEE-USA E-books seek authors to write an e-book, or an e-book series, on career guidance and development topics. If you have an e-book idea that will benefit members on a particular topic of expertise, email your proposal to IEEE-USA Publishing Manager Georgia C. Stelluto at [g.stelluto@ieee.org](mailto:g.stelluto@ieee.org), and IEEE-USA E-Book Chair Gus Gaynor at [g.gaynor@ieee.org](mailto:g.gaynor@ieee.org).

IEEE-USA advances the public good and promotes the careers and public policy interests of more than 206,000 engineering, computing and technology professionals who are U.S. members of IEEE.

Web: [www.ieeeusa.org](http://www.ieeeusa.org)

Facebook: [www.facebook.com/ieeeusa](http://www.facebook.com/ieeeusa)

Twitter: [www.twitter.com/ieeeusa](http://www.twitter.com/ieeeusa)

Join IEEE: [www.ieee.org/join](http://www.ieee.org/join)

Contact: Sharon C. Richardson, Coordinator

IEEE-USA Communications & Publishing

Phone: 1 202 530 8363

E-mail: [s.richardson@ieee.org](mailto:s.richardson@ieee.org)

## **GoogleApps@IEEE Now Available to IEEE Members**

GoogleApps@IEEE is a suite of products offered to IEEE members to enhance peer-to-peer communications and collaboration. The suite of applications includes e-mail, calendaring, contacts, and document sharing along with other collaborative tools. 30G of available cloud storage memory is available for these applications. Learn more about <http://www.ieee.org/googleapps>

GoogleApps@IEEE is available to members at no additional cost, bringing access to:

- A unique IEEE e-mail address (e.g., [John.A.Doe@ieee.org](mailto:John.A.Doe@ieee.org));
- Mail forwarding or e-mail inbox (Gmail);
- 30-gigabytes of shared storage (Gmail and Google Drive);
- 99.9 percent up time guaranteed by Google;
- Advertisement-free Gmail;
- Files stored in the cloud for easy sharing and access from anywhere via Google Drive.