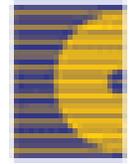




Austin, TX



**IEEE  
COMMUNICATIONS  
SOCIETY**

# **2014 RCCC Chapter Report**

Dec. 8, 2014

Fawzi Behmann

[f.behmann@ieee.org](mailto:f.behmann@ieee.org)



# Austin Chapter

## Vision

- ComSoc/SP is a community comprised of a diverse group of industry professionals with a **common interest** in **advancing communications and signal processing technologies.**

## Mission Statement

- The IEEE Communications and Signal Processing Societies Chapter seeks to be the organization of choice for communications and signaling processing technologists in the Central Texas Area and to **provide education and networking** for those professionals.

## 2014 Chapter Objectives:

- Hold monthly high quality technical meeting
- Theme: Architectural Evolution and services: Cloud, mobile apps, social engineering and IOT
- Technology/Application (DL) – Cloud Computing/Services
- COMSOC/SP Website <http://sites.ieee.org/ct-comsp/>
- Community/Industry/University Outreach
- Support IEEE GLOBECOM 2014 Austin 8-12
- Chapter financial health



# Austin Chapter

## Vision

- ComSoc/SP is a community comprised of a diverse group of industry professionals with a **common interest** in **advancing communications and signal processing technologies**.

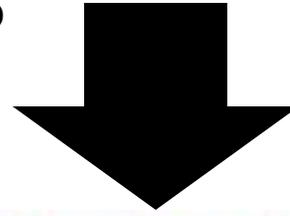
## Mission Statement

- The IEEE Communications and Signal Processing Societies Chapter seeks to be the organization of choice for communications and signaling processing technologists in the Central Texas Area and to **provide education and networking** for those professionals.

## 2014 Chapter Objectives:

- Hold monthly high quality technical meeting
- Theme: Architectural Evolution and services: Cloud, mobile apps, social engineering and IOT
- Technology/Application (DL) – Cloud Computing/Services
- COMSOC/SP Website <http://sites.ieee.org/ct-comsp/>
- Community/Industry/University Outreach
- Support IEEE GLOBECOM 2014 Austin 8-12
- Chapter financial health

**Total Membership: Over 400,000**  
**COMSOC & SP represent 2 of 38**  
**societies**  
 IEEE spans 10 regions and 333 sections  
 COMSOC/SP is part of Central Texas section,  
 Part of Region 5



-> Central Texas Section  
 29 chapters, 4K members  
 -> R5 23.2K members



Region 5 in Light Blue

# COMSOC/SP Austin

<http://sites.ieee.org/ct-comsp/>

## IEEE Central Texas Austin Communications / Signal Processing Joint Chapter

[About Us](#)

[Contact Us](#)

[Events](#)

[Follow Us](#)

[Meetings Archives](#)

[Officers](#)



Search IEEE Central Texas Austin Communications / Signal Processing Joint Chapter



Search

Search for:

Follow: [f](#) [t](#) [YouTube](#) [in](#) | Share: [Share](#)

Search

"ZPEG video compression technology – How it can be monetized?" Aug 21

"IP video surveillance – an irreversible trend for the future"

"Measuring the Immeasurable: How geospatial technologies are changing the way we understand disaster risks and community vulnerability" June 19

"Heterogeneous Computing: Promises and Challenges" 22 May

"Aging, Brain Science, and the Future of Health Care" April 17  
National Instruments – Texas Day, Tuesday, August 6 (11:00 am – 1:00 pm) « IEEE Central Texas Austin Communications / Signal Processing Joint Chapter

### Welcome to the IEEE Central Texas Austin Communications / Signal Processing Joint Chapter

June 1st, 2013



Tags: [Central Texas Austin Chapter](#), [ieee](#)  
Posted in [General Information](#) | [No Comments](#) »

### "ZPEG video compression technology – How it can be monetized?" Aug 21

July 28th, 2014

**IEEE Austin COMSOC/SP Meeting**

**ZPEG video compression technology – How it can be monetized?**

Speaker: Dr. Raymond Westwater, President Futureware, LLC

Aug 21, 2014, 6–8 pm

# Social Media

 IEEE Central Texas - Communications Society/Signal Processing Society

 IEEE Central Texas - Communications Society/Signal Processing Society shared a link.  
August 2, 2013 near Austin, TX

August 21 Meeting: "Start-up 2013 – It's a Brave New World Out There"  
<http://sites.ieee.org/ct-comsp/>



IEEE Central Texas Austin Communications / Signal Processing Joint Chapter « IEEE COM/SP -...  
[sites.ieee.org](http://sites.ieee.org)

The software start-up environment of 2013 is vastly different than that of 1999 or even 2009. Virtually...

Like · Comment · Share

 IEEE Central Texas - Communications Society/Signal Processing Society shared a link.  
July 30, 2013 near Austin, TX

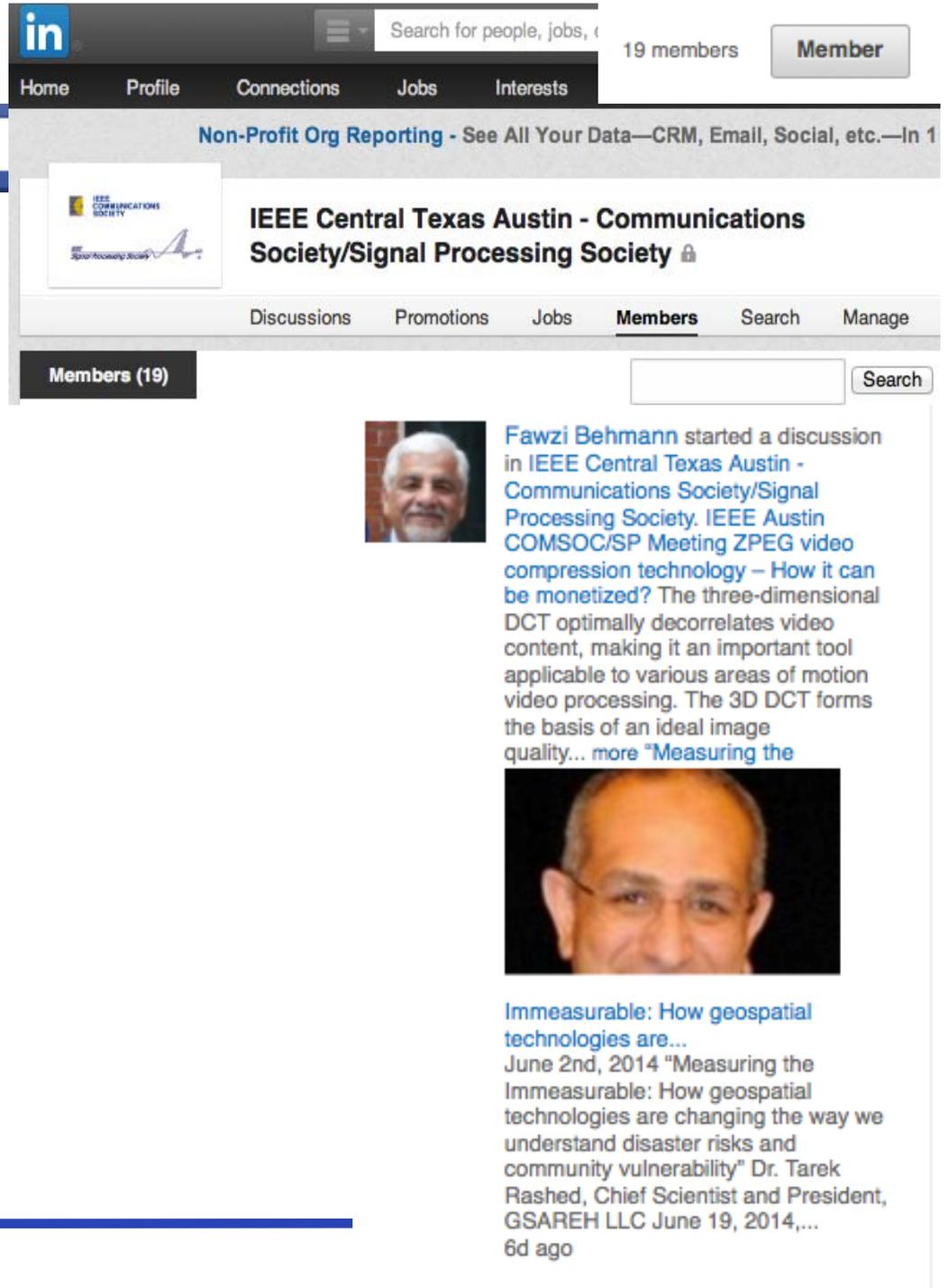
Attend National Instruments – Texas Day, August 6, 2013 (11:00 am – 1:00 pm) NI allows for any Texas IEEE member, as well as other Texas resident, to attend FREE on Texas Day.

This one-day engineering and networking event is on Tuesday, Au... [See More](#)



Events « IEEE Central Texas Austin Communications / Signal Processing Joint Chapter  
[sites.ieee.org](http://sites.ieee.org)

Events



**in** Search for people, jobs, &... 19 members **Member**

Home Profile Connections Jobs Interests

Non-Profit Org Reporting - See All Your Data—CRM, Email, Social, etc.—In 1

 **IEEE Central Texas Austin - Communications Society/Signal Processing Society** 

Discussions Promotions Jobs **Members** Search Manage

**Members (19)**

 **Fawzi Behmann** started a discussion in IEEE Central Texas Austin - Communications Society/Signal Processing Society. IEEE Austin COMSOC/SP Meeting ZPEG video compression technology – How it can be monetized? The three-dimensional DCT optimally decorrelates video content, making it an important tool applicable to various areas of motion video processing. The 3D DCT forms the basis of an ideal image quality... [more "Measuring the](#)

 **Immeasurable: How geospatial technologies are...**  
June 2nd, 2014 "Measuring the Immeasurable: How geospatial technologies are changing the way we understand disaster risks and community vulnerability" Dr. Tarek Rashed, Chief Scientist and President, GSAREH LLC June 19, 2014,...  
6d ago



**IEEE  
COMMUNICATIONS  
SOCIETY**

# 2014 Austin Chapter Updated Leadership Team

*IEEE  
Signal Processing Society*

- Fawzi Behmann (Chapter Chairman)
- Hanan Potash (Vice Chair)
- Frances Freeman (AT&T Liaison)
- Kwok Wu (Treasurer)
- Shabbir Bharmal (Webmaster, Social Media)
- Syed Shah (Secretary)
- Mahdy Saedy (Technical Program, Mem. Dev.)
- Avinash Naidu (Historian)

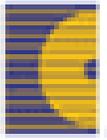
Special thanks to previous Webmasters:

Blaine Kohl            2013-2014

Richard Penshorn   2012-2013

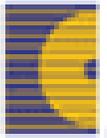
Thomas Novlan       2011-2012





## Austin COMSOC/SP Chapter 2014 technical sessions

Date	Topic	Speaker
16-Jan-14	"IOE - Internet Of Everything! Everything you wanted to know, but afraid to ask"	Dr. Kwok Wu, Freescale Semiconductor, Austin
20-Feb-14	"Harnessing Electrical Demand Flexibility for a Sustainable Energy Future" - Part 1	Mr. Mahdi Kefayati, ECE, UT, Austin
19-Mar-14	"Harnessing Electrical Demand Flexibility for a Sustainable Energy Future" - Part 2	Mr. Mahdi Kefayati, ECE, UT, Austin
17-Apr-14	"Aging, Brain Science, and the Future of Health Car"	Mr. Wayne Caswell, Founder & Senior Editor, Modern Health
22-May-14	"Heterogeneous Computing: Promises and Challenges"	Dr. Peter. J. Zievers, CTO at Xcelemor, Inc
19-Jun-14	"Measuring the Immeasurable: How geospatial technologies are changing the way we understand disaster risks and community vulnerability"	Dr. Tarek Rashed, Chief Scientist and President, GSAREH
17-Jul-14	"IP video surveillance - an irreversible trend for the future"	Mr. Fawzi Behmann, President of TelNet Management
21-Aug-14	"Start-up view: ZPEG video compression Technology - How it can be monetized?"	Dr. Raymond Westwater, President Futureware, LLC
25-Sep-14	"Big Data, Cyber-Biological Systems, and Pattern Recognition "	Dr. Choudur K Lakshminarayan, Principal Scientist, HP
16-Oct-14	"Next Generation Data and Systems for Utilities"	Mr. Bob Knox, Historian and Asset Analytics lead with Structure's Energy Management and Control Systems
20-Nov-14	"Engineers and Government"	Mr. Len Hause is an IEEE Engineering and Diplomacy Fellow and President of MashBrain LLC
25-Nov-14	"Collaborative Connected Intelligence "	Mr. Fawzi Behmann, President of TelNet Management Consulting, Inc., Dr. Kwok Wu, , Freescale Semiconductor
12-Dec-14	"Traffic Forensics: Capture, Replay, Classification, Detection, and Analysis " - IBM	Prof. Ying-Dar Lin, National Chiao Tung University and Director of Network Benchmarking Lab (NBL), Taipei, Taiwan
12-Dec-14	"Traffic Forensics: Capture, Replay, Classification, Detection, and Analysis " - AT&T	Prof. Ying-Dar Lin, National Chiao Tung University and Director of Network Benchmarking Lab (NBL), Taipei, Taiwan
12-Dec-14	"Software Defined Networking: Why, When, Where, and How"	Prof. Ying-Dar Lin, National Chiao Tung University and Director of Network Benchmarking Lab (NBL), Taipei, Taiwan
18-Dec-14	"An Update on UHD Technology Evaluation at ATT Labs"	Mr. Pierre Costa, Lead Member of Technical Staff, AT&T



## **Austin COMSOC/SP Chapter 2014 Outreach**

### **Events:**

- **NI Week (Aug 5-7)**
- **Career Planning Workshop (Sep. 13)**
- **Cyber Security (Sep. 24)**
- **InnoTech (Oct. 15)**
- **Texas Wireless Summit (Nov. 14)**
- **GLOBECOM 2014 (Dec. 8-12)**

### **Collaboration with:**

- **Other societies: CEDA, CS, I&M, CTCN, TMC**
- **Other societies: CASPA**
- **Companies: AT&T, Austin Energy, Freescale, HP, IBM, UT,...**
- **Community: Chamber of Commerce, City of Austin, Austin Business Journal**

Save the date. Joint CTCN/AICN workshop Saturday, September 13th.



**Employee, Consultant, Entrepreneur -- Skills for a  
Multi-Faceted Career: an IEEE Workshop**

**Saturday, September 13, 2014  
7700 West Parmer Lane, Austin, TX**

**Co-hosted by CTCN and AICN (Alliance of IEEE Consultants' Networks)  
Co-sponsored by CAS/SSC, CEDA, COMSOC/SP, EdSoc, TMC, and WIE**

**Topics and Speakers:**

**Bob Krause**, IEEE-USA AICN Coordinating Committee (AICN)  
**"How to Stimulate and Hone Your Networking Skills"**

**William R. Kassebaum P.E.**, IEEE-USA AICN Coordinating Committee  
**"Start-up Tactics"**

**Gary Blank**, IEEE-USA President  
**"From Employee to Consultant, How Can I Do It?"**

**David Smith**, CEO of Strategic Pathways, President of Social Care  
**"A Sea of Changing Waters – HealthCare Technology – The Perfect Storm"**

**Sharon Drew Morgen**, Visionary, Author, Consultant  
**"Selling Doesn't Cause Buying"**

**Leslie Martinich**, Founder and Principal Consultant at Competitive Focus  
**"Focus Your Career"**



ROCK STARS OF  
**CYBER  
SECURITY**

24 Sept. 2014 • Austin, Texas

Register now!



IEEE  
computer  
society

The World Cup, Neiman Marcus, Michaels, Target, P.F. Chang's – what do they have in common? They've all experienced some of the worst cybersecurity breaches. Every organization has to take precautions and be ready to fight back.

**Here's your strategy – Attend Rock Stars of Cybersecurity, September 24, Brazos Hall, Austin, TX**

**Special Early-Bird Pricing Available for a Limited Time! This Event will Sell Out. [Register Now to Secure Your Place!](#)**

A single action-packed day of hearing from top executives about what may be coming next and what you can do about it to protect your data and your privacy. There will also practical, proven solutions for meeting the cybersecurity threat head-on.

Never has so much security talent been gathered in one place at one time—all focused on solving your problems:

Sarath Geethakumar, Senior Director – Global Information Security, **VISA**

Peter Allor, Cyber Security Strategist – Federal, **IBM**

Peter Fonash, Chief Technology Officer, **U.S. Department of Homeland Security**

Brett Wahlin, Vice President and Chief Information Security Officer, **HP**

Peder Jungck, Vice President and Chief Technology Officer, **BAE**

Gary McGraw, Ph.D., Chief Technology Officer, **Cigital**

Spencer Mott, Vice President, Chief Security Officer, **Amgen**

What will you learn?

Securing your business operations against the threats

Balancing effective cybersecurity with privacy

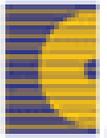
Implementing a secure enterprise architecture

Big data and security analytics

The impact of the skills shortage on security

Much more

Plus networking, food, and exhibits. We expect this event to sell out so [register now! Don't miss the early-bird pricing.](#)



## **Austin COMSOC/SP Chapter 2014 Outreach**

### **Other Socials:**

- CTS Section Spring Planning MTG (Jan 17)
- SxSW YP Outreach (Mar. 7)
- STEM Outreach High School Studying Eng. (Apr. 15)
- IEEE USA - PACE Program & Automation (May 16-18)
- CTS Section - Chapter Leadership Luncheon (Jun. 26)
- CTS Section Fall Planning MTG (Sep. 7)
- IEEE Day (Oct. 7)
- CTS Section YE Banquet (Dec. 6)

### **Other Functions:**

- COMSOC NA DLT/DSP Coordinator
- CTS Section PACE Chair, IEEE USA PACE Project Automation Lead
- GLOBECOM 14
  - IT Infrastructure Chair
  - Local Arrangement: Space allocation, Banners & Signs, Backdrops,
  - Promotion, Publicity (PRs, Media/Analysts)
  - City Proclamation and quote
  - Chamber of Commerce engagement



IEEE GLOBECOM  
**2014**

8-12 December, 2014  
Hilton Hotel  
Austin, Texas, USA



[www.ieee-globecom.org/2014](http://www.ieee-globecom.org/2014)



# Proclamation

*Be it known that*

*Whereas,*

*Austin is renowned as a global high-tech capital, employing thousands of highly-skilled workers conducting world-class research; and,*

*Whereas,*

*The City is pleased to welcome IEEE, the world's largest association dedicated to advancing technological innovation and excellence in telecommunications for the benefit of humanity, to our City for their convention, IEEE Globecom 2014; and,*

*Whereas,*

*Attendees have access to sessions detailing key areas in telecommunications, ranging from the next generation broadband, wireless, multimedia and image and voice enhancements to e-health, Internet of Things, game theory, power-line, satellite, space and more; and,*

*Whereas,*

*IEEE Globecom provides an opportunity for international scientists, government and industry professionals and academia to share their vision and ideas for a better future;*

*Now, Therefore,*

*I, Lee Jeffingwell, Mayor of the City of Austin, Texas, do hereby proclaim*

*December 8 - 12, 2014*

*as*

*IEEE Week*

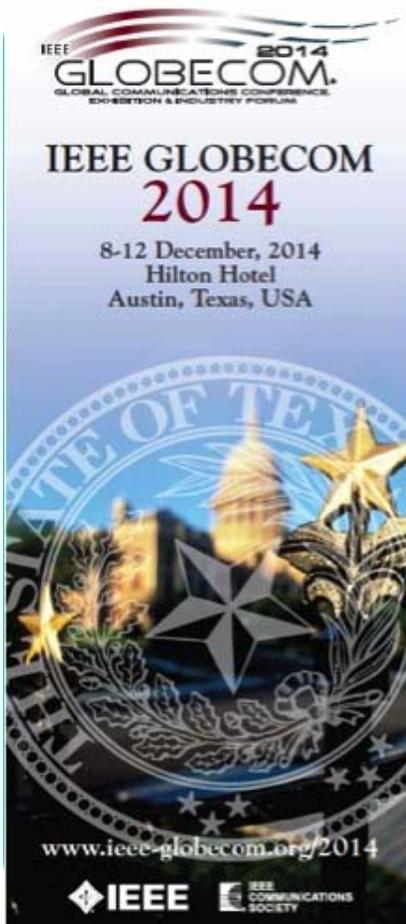
*in Austin.*

*In witness whereof, I have hereunto set my hand and caused the seal of the City of Austin to be affixed this 6<sup>th</sup> Day of June in the Year Two Thousand Fourteen*

*Lee Jeffingwell, Mayor, City of Austin*



## Quote from Austin Mayor Leffingwell for GLOBECOM 2014



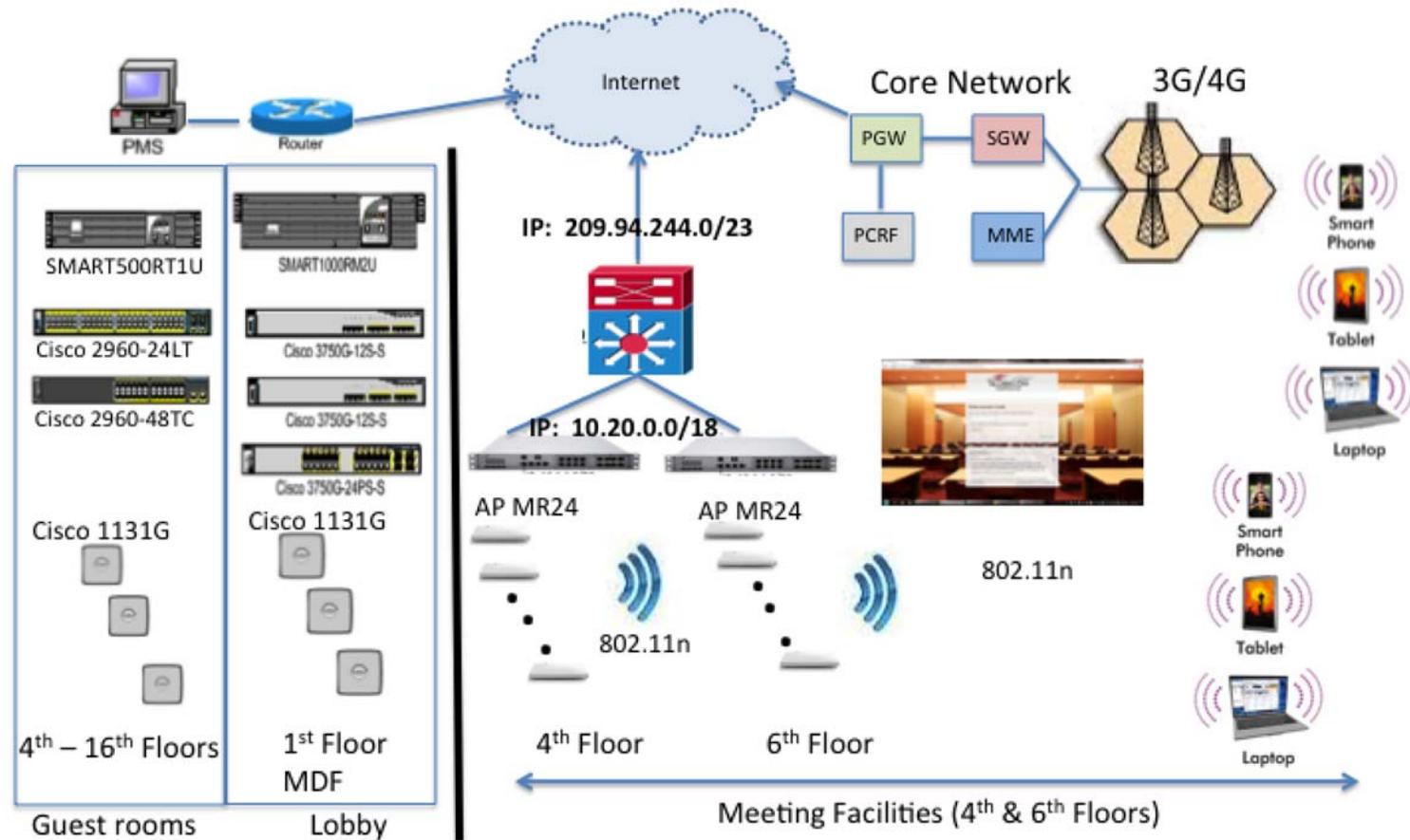
**"As a technology hub, Austin is proud to host the Institute of Electrical and Electronic Engineers GLOBECOM conference for the first time," said Austin Mayor Leffingwell. "Austin offers job opportunities across technological fields and we are also recognized as a leading growth center for the biotech and life sciences industries. It's easy to see why Austin is a national leader in job growth. In fact, Forbes just named us the second best city in the country for future job growth."**

**"The mission of IEEE GLOBECOM closely aligns with Austin's vision for a strong technology sector. I am glad to declare the week of December 8 - 12 as IEEE Week to recognize the supporters and organizations that worked to bring IEEE GLOBECOM and Austin together," added Austin Mayor Leffingwell.**



# Help out with IT Infrastructure Preparedness for GLOBECOM

## IEEE GLOBECOM 2014 IT Infrastructure Hilton Austin (Cellular, WiFi)



# IN APPRECIATION TO

**“Big Data, Cyber-Biological Systems,  
and Pattern Recognition “**

**Dr. Choudur K Lakshminarayan, Principal  
Scientist, HP Software Research**

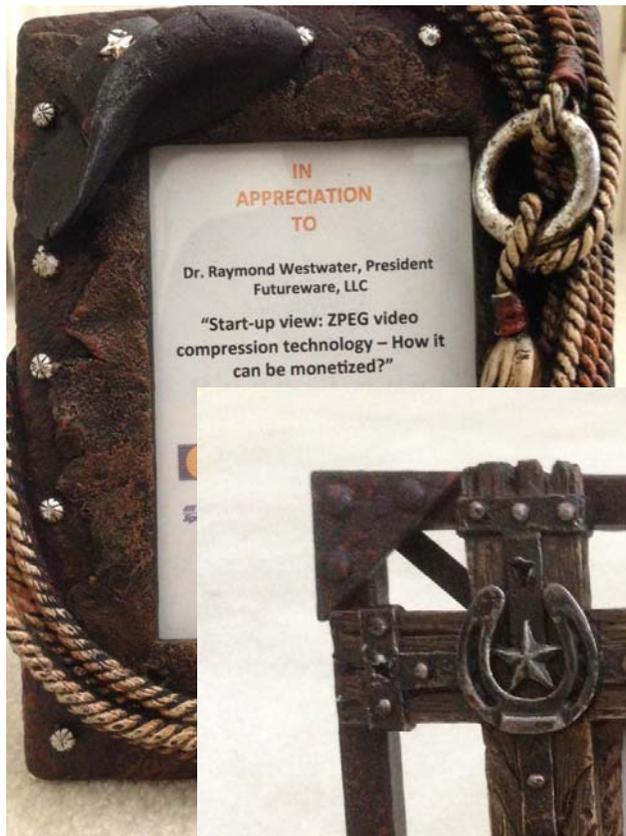


**IEEE  
COMMUNICATIONS  
SOCIETY**

Austin Chapter

*IEEE  
Signal Processing Society*

September 25, 2014



**MEETING FEEDBACK**

Thank you for responding. Your comments help us continue to improve our meetings.  
For each item, please circle one number that best describes your opinion. If you rate an item below 3, please explain.



**IEEE  
COMMUNICATIONS  
SOCIETY**  
Central Texas (Austin) Chapter



**The Session**

1=Poor      5=Excell

- 1 Relevance of the topic for me and my organization    1 2 3 4 5
- 2 Ability to use what I learned in my job                1 2 3 4 5
- 3 Length of session    1 2 3 4 5
- 4 Structure of the session (Single speaker, panel, etc.) 1 2 3 4 5
- 5 Overall rating of the session                                1 2 3 4 5

Comments on the session:

**The Presenter**

- 6 Ability to make subject understandable                1 2 3 4 5
- 7 Ability to relate subject to 'real world'                1 2 3 4 5
- 8 Ability to answer questions                                1 2 3 4 5
- 9 Ability to get audience participation                    1 2 3 4 5
- 10 Overall knowledge of subject                            1 2 3 4 5

Comments on the presenter(s):

**The facilities**

- 11 Room arrangements - for interaction                1 2 3 4 5
- 12 Room arrangements - for ability to hear and see    1 2 3 4 5
- 13 Convenience of meeting location                      1 2 3 4 5

Comments on the facilities:

**What additional topics or other suggestions do you have for future meetir**

**Can you help identify speaker for the future? Please provide name and contact information**



# 2015

- **Improve participation leveraging Webex**
- **Extend collaboration with companies & societies to the Community - Collaborative project**
- **Connection with global chapters**



*THANKS*