



IEEE Dallas Section: Direction

January 2009

Volume 52, Number 5

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Consultants Network (CN)
Topic: RF in the Jungle

January 20: Tuesday
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Topic: The Ten Habits of Highly Successful Board Designers.

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TMC, GOLD and Life members
Topic: 2008 Tax Consequences for April 15th

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PACE Workshop:

From the Chair

By Larry Zhang

IEEE Dallas section was officially formed on May 28, 1928 and has passed its 80's anniversary last May and is currently one of the largest sections in IEEE region 5. We always had great volunteers and section leadership to grow IEEE Dallas section from a few people into the current 23 active local chapters and about 5000 active members.

During the last year, we have hosted 2 senior member upgrade events and 2 officer trainings and elevated many senior members in our section. We have also successfully organized an awards banquet to recognize members who have contributed into our success for the section during the previous year. In 2008, Dallas section has 4 members promoted into the IEEE fellow grade which is the highest grade of elevation in IEEE. Every year only 0.1% of the membership is elevated into this rank. We have worked with local industry and nominated several IEEE milestones to recognize the monumental contributions from local industries in the Dallas Section. This includes the invention of the integrated circuits that has changed the electronics industry and the world. Jack S. Kilby won the 2000 Nobel Prize in Physics for the invention of the integrated circuit.

Looking forward for 2009, we will be focusing on our membership growth, setting up a few more local chapters, and helping and supporting more chapters to be more active in organizing monthly meetings. We will focus on bring more conferences into Dallas to bring more technical activities into Dallas Section. Several of our local Chapters are the most active chapters in their technical societies.

We will promote the IEEE membership in our Dallas metro area to reverse the IEEE membership declining trend across US sections. We will continue to use our e-notices and the section website and newsletter to provide the information to the membership about meetings, announcements, and job opportunities. I am confident that with our combined effort, we can move IEEE Dallas section to the next level.

Larry Zhang
 IEEE Dallas Section
 2009 General Chair
l-zhang1@ti.com



Joint meeting between IEEE Dallas Section and IEEE Consultants network

Topic: A "How Money Works" Seminar: The 3 Root Causes of the Financial Problems Most Families Face

Date: Monday, January 12, 2009

Time: Social/Networking/Dinner 6:15 pm Program 6:45 pm.

Location: Holiday Inn Select, 1655 North Central Expressway, Richardson, TX (south of Campbell Road, west side of Central)

Speaker: David Thomas, Regional Vice President, Primerica Financial Services

Cover: \$5 for IEEE Members, \$15 for non-IEEE Members/Guests (includes light supper buffet) IEEE members who RSVP may bring a guest at no additional charge.

RSVP: http://ewh.ieee.org/r5/dallas/registration/jan_meeting/



Executive Committee

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Dallas Section

Chapter Meetings/Events

Consultants Network (CN)

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RSVP: http://ewh.ieee.org/r5/dallas/registration/jan_meeting/

Description: The three root causes of the financial problems most families face are:

1. Failure to Plan
2. Uninformed
3. Misinformed

This informative seminar will discuss the following issues:

- Do you know the rule of 72?
- Tax deferred vehicles... are you maximizing your options?
- What are mutual funds?
- The 3 D's of investing?
- Are you paying off your debt in the best possible matter?
- Credit card traps exposed?
- Do you know how your life insurance policy works?

These topics, once understood and applied, can have an impact on your personal finances.

Speaker Bio: David Thomas is a Regional Vice President at Primerica Financial Services, a Citi company. He has worked for PFS for over 7 years. He holds a Series 6 & 63 (State and Federal Securities License); and Series 26 (Supervisory License). In addition, he holds a Mortgage license that allows refinancing, 1st Mortgages, 2nd Mortgages, and non equity lending. He also holds certifications for Pre Paid Legal, Variable Annuities, and Long Term Care insurance along with Life/Health and Personal Lines authorizing him to broker Auto & Home owners insurance.

Communications & Technology (CVT)

Topic: "RF in the Jungle"

Date: Tuesday, Jan. 20th, 2009

Time: 11am - 1pm (presentation from 12noon-1pm)

Location: Holiday Inn Express (I75 - south of Campbell Road) in Richardson

Cover: \$10.00 for IEEE members / \$15.00 non-IEEE members

Speaker: Ravi Prakash

Description: Effect of Environment Assumptions on Wireless Experiment Repeatability

Speakers' Biography: Dr. Prakash is an Associate Professor at UTD in the Dept. of Computer Science in 1997. His areas of research are mobile computing, distributed computing, wireless networks and sensor networks. Currently, his research group is building a scalable wireless network testbed. He is a recipient of the U.S. National Science Foundation CAREER grant. Dr. Prakash currently is also an associate editor of the IEEE Transactions on Mobile Computing.

Website URL: www.cvt-dallas.org

Contact Information: Steven Maxwell (214) 405-3353

Electromagnetic Compatibility (EMC)

Topic: The Ten Habits of Highly Successful Board Designers.

Date: Tuesday January 20th, 2009

Time: 6PM social/meal, 7PM Lecture

Location: TBD

Cover: Free

Speaker: Dr. Eric Bogatin

Program Summary: 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.

Speakers' Biography: Eric is currently a Signal Integrity Evangelist with Bogatin Enterprises, world leaders in signal integrity training. 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 4,000 engineers in the last 20 years. Many of his papers and columns are posted on the www.BeTheSignal.com web site.

Website URL: www.BeTheSignal.com

Blog: www.beTheSignal.com/blog

Contact Information: Joe Sandfield - EMC Society Chairman <joe@swelectronic.com>

TMC, GOLD and Life members

Topic: 2008 Tax Consequences for April 15th

Date: Friday, January 23, 2009

Time: 11:15 AM to 1 PM

Location: Lunch at the Pasand Indian Cuisine (SouthEast corner of Coit and Campbell, 2 ½ miles West of Highway 75.)
1377 West Campbell Rd.
Richardson TX 75080
Tele.# (972) 644-4447

Cost: None for Spouses, Life Members and Students. Donations are most welcome to keep us within budget.

Dallas Section

Chapter Meetings/Events

Speaker: To Be Determined

Speakers' Biography: To Be Determined.

Program Summary: Changes expected for tax year 2008.

Contact Information: RSVP to Bob Bishop. r.bishop@ieee.org (903) 815-8788 cell.
http://ewh.ieee.org/r5/dallas/registration/jan2009_tmc_gold_life/

PACE Workshop:

- Are You Ready for 2009 Life and Job Changes?
- Experience exercises in class to pinpoint issues you deeply care about as an individual. Determine your choices, unique to you as an individual.
- You will learn: Proven Techniques to Find Issues You Care About.
- Your Unique Combination of Do Best/Most Enjoy Skills.
- The Power of Written Goals.
- Strategies of: Dr. Randy Pausch, Really Achieving Your Childhood Dreams.
- Richard N. Bolles, What Color Is Your Parachute?
- John C. Crystal and Richard N. Bolles, Where Do I Go From Here With My Life?
- Peter Elbow, Writing Without Teachers.

Date: Saturday, January 24, 2008.

Time: 8 AM to 12 Noon.

Location: UTD, room to be determined.

Speaker: Mr. Robert B. Bishop, Jr. PE

Cost: \$5. Bring a guest for free, maybe your Spouse?
No Cost: Spouses, Senior Members and Students.

RSVP: Bob Bishop: r.bishop@ieee.org (903) 815-8788 cell.
http://ewh.ieee.org/r5/dallas/registration/jan2009_tmc_gold_life/

Tease Your Brain!!!

After recent events, Question Mark is annoyed with his brother, Skid Mark. Skid thought it would be funny to hide Question's wallet. He told Question that he would get it back if he finds it. So, first off, Skid laid five colored keys in a row. One of them is a key to a room where Skid is hiding Question's wallet. Using the clues, can you determine the order of the keys and which is the right key?

Red: This key is somewhere to the left of the key to the door.

Blue: This key is not at one of the ends

Green: This key is three spaces away from the key to the door (2 between)

Yellow: This key is next to the key to the door.

Orange: This key is in the middle.

Answer on page 5

Dallas Section

Chapter Information

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Antennas and Propagation (AP)

Website: <http://www.ieeedallas-aps.org/>

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Circuits and Systems (CAS)

Website: <http://ewh.ieee.org/soc/cas/dallas/>

General chair: Sudhind Dhamankar
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Publicity Chair/Secretary: Mak Kulkarni

Technical program chair: Bogdan Staszewski

Meeting chair: Arjun Rajagopal

Treasurer: Saqib Malik

Member Chair: Tuna B Tarim

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Computer (C)

Website: <http://chapters.computer.org/dallas/>

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Consultants Network (CN)

Website: <http://www.ieeedallascn.org/>

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Consumer Electronics Society (CES)

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If you are interested in volunteering/becoming an officer for this society, please contact the past chair, William Riley.

Electromagnetic Compatibility (EMC)

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Electron Devices (ED)

Chair Zeynep Celik-Butler (817) 272-1309
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Power Engineering (PE)

Website: <http://ewh.ieee.org/soc/pes/dallas/>

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Treasurer: Zao Yang

Secretary: Brent Markham

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Mind Tease Solution:

The order (from left to right) is Green, Red, Orange, Blue,
Yellow.

The blue key is the key to the door.



The Dallas Section of the Institute of Electrical and Electronic Engineers (IEEE) for the benefit of its members publishes *Direction* monthly from September through May. Articles, special announcements and information for publication should be submitted to Dinesh Rajan (rajand@enr.smu.edu) The deadline for submission of materials is no later than the 20th of the month prior to the month of publication.

Advertising: *Direction* is distributed to approximately 7,200 members in the Greater Dallas area.

Invoicing and/or contractual agreements for advertising are administered by Dinesh Rajan, Administrative Chairman and Mark Swenholt, Treasurer, IEEE Dallas Section. All ad insertions must be cleared through the executive board before publication. Advertising rates are as follows:

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