



Dallas Section

Direction

Volume 51, Number 4

December 2007

Executive Committee

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Dr. Gerry Burnham  
(972) 883-6755

[burnham@utdallas.edu](mailto:burnham@utdallas.edu)

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Robert Shapiro (214) 448-4818

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Robert Shapiro (214) 448-4818

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Bob Bishop (940) 898-2166

From the Chair

By Dr. Gerry Burnham

Greeting! Fellow IEEE members,

As the end of the year approaches we are all busy wrapping up the business of 2007, planning work for 2008, and preparing for the holiday season

Here in IEEE Dallas, we have completed the election of 2008 Section Executive Committee officers. After soliciting nominations and then announcing officer slate, no intention of nomination of different officer candidates has been received. As the result, the slate of officers listed below becomes official.

Chair  
Admin Chair  
Secretary

Mr. Robert Shapiro  
Dr. Dinesh Rajan  
Mr. Ed Carrales

Vice-Chair  
Treasurer  
Activities Chair

Dr. Larry Zhang  
Mr. Mark Swenholt  
Dr. Liming Xiu

Past Chair

Dr. Gerry Burnham

Other section officers will be appointed by Section Chair and Section Executive Committee shortly.

I have been privileged to have a strong team in the Section. I'd like to thank all Section officers for their excellent work and contributions to the successes of IEEE Dallas in 2007. My gratitude also goes to our chapter officers for their outstanding accomplishments which make IEEE Dallas successful. I am very grateful to those IEEE members who have been participating in IEEE Dallas activities and those corporations which have been supporting IEEE Dallas in various ways. We shall continue to help each others.

It is time for us to relax and associate with each others. IEEE Dallas Section and IEEE Consulting Network will jointly host a holiday party at 6:15pm Monday, December 10th at Holiday Inn Express, Richardson. Please contact Maura Schreier-Fleming [maura@bestatselling.com](mailto:maura@bestatselling.com) for details.

Also note that we will have a budget, officer training and Senior Member upgrade meeting Saturday December 15 at the University of Texas at Dallas, engineering school. Additional details will be sent out in a broadcast email.

Happy Holidays!



DALLAS SECTION DECEMBER 2007 MEETING

Holiday Party 2007

Date: Monday, December 10<sup>th</sup>, 2007  
Social/Networking/Dinner: 6:15 p.m. / Program 6:45 p.m.  
Place: Holiday Inn Select, 1655 North Central Expressway, Richardson, TX (972) 238-1900  
Cost: \$5 for IEEE Members, \$15 for Non-Members (Buffet Included)



Program Summary: Have Fun at a Holiday Party!!!

For more information contact at Bob Shapiro [rcshapiro@comcast.net](mailto:rcshapiro@comcast.net) or (214) 448-4818

Aerospace And Electronics Systems (AES)

Chair Tim Reichard (972) 344-7512

Antennas & Propagation (AP)

Chair Dr. Choon Sae Lee (214) 768-3257

Circuits & Systems (CAS)

Chair Liming Xiu (214) 480-4930

Communications & Technology (CVT)

Chair Steven Simmons (972)250-1289

Computer (C)

Chair Don Shaver (214) 480-4349

Consultants Network (CN)

Chair Jerry Bylander (903) 893-6437

Consumer Electronics (CE)

Chair Sam Broyles (214) 480-3232

Computational Intelligence (CI)

Chair Robert J. Marks II (254) 710-7302

Education (E)

Chair William M. Riley (214) 478-4065

Electromagnetic Compatibility (EMC)

Chair William E. Paschetag (972) 530-7853

Electron Devices (ED)

Chair Zeynep Celik-Butler (817) 272-1309

Engineering Management (EM)

Chair Bob Bishop (903) 482-5320

Engineering in Medicine and Biology (EMBS)

Chair Shekar Rao (214) 480-1756

Laser & Electro-Optics (LEO)

Chair Duncan MacFarlane (972) 883-2165

Microwave Theory & Techniques (MTT)

Chair Robert Eye (972) 994-5818

Power Electronics (PELS)

Chair Don Marabell (469) 330-9100 x230

Reliability (RL)

Chair Lon Chase (972) 952-3138

Signal Processing (SP)

Chair Nasser Kehtarnavaz (972) 883-6838

Solid State Circuits (SSC)

Chair Xiaopeng Li (214)480-4172

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## Aerospace & Electronic Systems

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For monthly meeting notices and other information please visit the IEEE AESS Dallas Chapter web site at:  
<http://ewh.ieee.org/r5/dallas/aes>

For information, please contact Tim D. Reichard (972) 344-7512  
[Tim\\_D\\_Reichard@raytheon.com](mailto:Tim_D_Reichard@raytheon.com), Jared Ellington [j.ellington@ieee.org](mailto:j.ellington@ieee.org), or Mark Gober  
 (903) 457-5122 [Mark\\_D\\_Gober@L-3Com.com](mailto:Mark_D_Gober@L-3Com.com)

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## Antennas & Propagation

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For more information, please contact:  
 Dr. Choon Sae Lee, AP Chairman, 214-768-3257, [cslee@engr.smu.edu](mailto:cslee@engr.smu.edu)  
 Anand Lakshmanan, AP Secretary, 469-499-6789, [anand.em@gmail.com](mailto:anand.em@gmail.com)

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## Circuits & Systems

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Due to the Holiday Season, the Circuits & Systems Society has chosen to suspend activity until January 2008.

Web-based, automated paper submissions, review and notification process  
<http://www.ewh.ieee.org/soc/cas/dallas/wks2007>

Please visit our Website listed below for latest updates, abstract of talk and seminar details <http://ewh.ieee.org/soc/cas/dallas/>

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## Communication & Vehicular Technology

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### " High Tech Venture Capital Funding for 2008 "

**Date:** Tuesday, December 18<sup>th</sup>, 2007  
 Lunch 11:00 a.m. / Program 12:00 p.m. – 1:00 p.m.

**Place:** Holiday Inn Select, 1655 North Central Expressway, Richardson, TX  
 (972) 238-1900

**Cost:** \$5 for IEEE Members, \$10 for Non-Members

**Speaker(s):** Ron Jennings, CTO STARtech  
 Greg Hext, Founder Chapman and Hext  
 Alex Muse, Founder Texas Start-up Blog, [www.texasstartupblog.com](http://www.texasstartupblog.com)

**Moderator:** Steven Maxwell

**Program Summary:** Venture Capital is the lifeblood for much of the new development in the technology industry. This panel looks at VC funding during the year of 2007, and tries to anticipate trends into 2008. The panelists will be asked the following questions:

- What went well in 2007?
- What went poorly in 2007?
- What should we anticipate in 2008?

The floor will then be open for questions.

Ron Jennings joined STARTech in 2000 as a partner and chief technical officer. He has over 30 years of experience in technical and executive roles in a variety of industries including telecommunications, supercomputers, electric power, oil and gas exploration, defense electronics, health care, and broadcasting. Ron is responsible for broad range of technology sector opportunities and investments as well as managing STARTech's information systems infrastructure. Most recently, Ron served as vice president of development at TelOptica, Inc., an early stage company specializing in optimization of telecommunications networks. Prior to that, he was vice president of development at Orametrix, Inc., another Dallas start-up company. He has also worked at Hewlett-Packard, Convex Computer Corporation, and Texas Instruments where he was a senior member of technical staff. Ron holds a bachelor of science in electrical engineering from Michigan State University and is a Texas registered professional engineer. He is also a holder of six patents.

Greg Hext was president of a closely held, family-owned corporation, which was diversified in its business endeavors. In 1979, Greg joined the audit department of the Houston office of Benson, Wells & Co., a regional CPA firm. The Houston office withdrew from the regional firm in 1980 and formed Shelby, Rucksdassel and Jones. Greg continued

with the new firm. In 1984, Greg opened the Dallas office of Shelby, Rucksdassel and Jones as partner-in-charge. He continued as an audit and consulting partner as well as partner-in-charge of the Dallas office until 1989. In 1990, he became the shareholder in charge of audit, consulting, and financial reporting engagements for the firm of Chapman, Hext & Co., P.C. In 2006, Greg became the majority shareholder of the firm and assumed the role of CEO for the firm and its affiliated companies.

Alex Muse is a serial entrepreneur with more than a decade of startup experience. Prior to becoming CEO of Big in Japan, he served as CEO of Architel, a provider of outsourced information technology services. Previously, he was founder and CEO of LayerOne, a telecommunications infrastructure company I started in the late 1990's. He is a member of various organizations including the Entrepreneurs Foundation of North Texas (EFTN), the Young Entrepreneurs Organization (YEO), the Association for Corporate Growth (ACG) and NATPE (television industry group)

For further information contact Steve Simmons at: [sms\\_1961@yahoo.com](mailto:sms_1961@yahoo.com).

Meeting details for Communication & Vehicular Technology Dallas Chapter can be found on their web site. Visit <http://www.cvt-dallas.org>

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## Computer

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Remember to visit <http://chapters.computer.org/dallas/> for updates, to download presentations, or view upcoming calendar!

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## Consultants Network

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Program Summary: Have Fun at a Holiday Party!!!

If you are interested in being involved in Programming activities please contact Neil Kaden at [kaden@circlenk.com](mailto:kaden@circlenk.com)

For more information: <http://www.ieeedallascn.org>

For more information contact: Maura Schreier-FLeming 972 380 0200 or [info@bestatselling.com](mailto:info@bestatselling.com) or visit Chapter website at <http://ieeedallascn.org>

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## Consumer Electronics

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For additional information, please contact Dr. Baowei Ji at (972) 761-7167  
[baowei.ji@samsung.com](mailto:baowei.ji@samsung.com), LaReil Nielsen [lareil@airmail.net](mailto:lareil@airmail.net), or Sam Broyles at (214) 480-3232 [sam.broyles@ti.com](mailto:sam.broyles@ti.com)

To download presentations, view upcoming calendar, etc. check out our web site at: <http://www.DallasCES.org>

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## Electromagnetic Compatibility

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For more information, visit the Dallas IEEE/EMC Chapter Website (<http://www.DallasEMC.org>), or contact Bill Paschetag, [bpaschetag@ieee.org](mailto:bpaschetag@ieee.org)

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## Electron Devices

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For additional information contact Zeynep Celik-Butler, (817) 272-1309,  
[zbutler@uta.edu](mailto:zbutler@uta.edu)

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## Engineering Management

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Due to the Holiday Season, the Engineering Management Society has chosen to suspend activity until January 2008.

For program information and to RSVP, please contact Bob Bishop, 903.482.5320 or [r.bishop@ieee.org](mailto:r.bishop@ieee.org)

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## Industry Applications

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For further info contact Dallas IEEE Section Activities Chair Will Lumpkins at (214) 543-0858.  
Please send RSVP to [xillia@ieee.org](mailto:xillia@ieee.org)

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## Lasers & Electro-Optics

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Details for IEEE-LEOS Dallas Chapter seminar series are listed on our website at <http://www.engr.smu.edu/leos/>

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## Life Members

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Due to the Holiday Season, the Life Members Society has chosen to suspend activity until January 2008.

For program information, please contact Bob Bishop, 903.482.5320 or [r.bishop@ieee.org](mailto:r.bishop@ieee.org)

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## Microwave Theory & Techniques

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For additional information contact Bob Eye at [reya@tqs.com](mailto:reya@tqs.com).

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## Power Engineering [Fort Worth, TX]

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For Program Information contact Julio Chavarria through outlook, to e-mail address [jchavar1@txued.com](mailto:jchavar1@txued.com), or telephone number 214-743-6681.

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## Reliability

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Due to the Holiday Season, the Reliability Society has chosen to suspend activity until January 2008.

For program information and to **RSVP (11/6)** please contact Milton Tam (972) 344-5230

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## Signal Processing

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For meetings program information, please see <http://www.utdallas.edu/~kehtar/ieee-sp>

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## Solid State Circuits

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For program information please contact Chapter Chair.



# ANNOUNCEMENTS



## Mind Tease

Luis, Savannah, Andrew, and Courtney each have their own Christmas tree. Each Christmas tree has a different number of candy canes (17, 13, 15, and 18) and a different number of ornaments (23, 40, 39, and 32).

Figure out how many candy canes and ornaments are on each person's Christmas tree.

1. The Christmas tree with thirty-two ornaments is not the tree with fifteen candy canes.
2. There are no more than thirty-nine ornaments on Luis' Christmas tree.
3. Savannah's Christmas tree has the fewest number of ornaments.
4. Courtney's Christmas tree has twenty-two more ornaments than the number of candy canes.
5. There are no more than thirty-nine ornaments on Andrew's Christmas tree.
6. Savannah's Christmas tree has the fewest number of candy canes.
7. Andrew's Christmas tree has fifteen more ornaments than the number of candy canes.

### INTERNATIONAL CONFERENCE ON WEB ENGINEERING AND APPLICATIONS (ICWA 2007)

December 14th - 16<sup>th</sup>, 2007

Bhubaneswar, India.

<http://www.icwa2007.org>

ICWA2007 invites original submissions in the mentioned and other related areas. Contributions may fall in any of the following categories: papers, demonstrations, workshops and tutorials. The submissions may cover new approaches in Web Engineering, novel viewpoints and challenges on any aspect of Web Engineering, reports on the implementation or deployment of advanced Web projects in an industrial or application scenario, or descriptions of Web Engineering education experiences.

The International Conference on Web Engineering & Applications (ICWA2007) is the second conference in the series of ICWA conferences aiming at bringing together the international community of researchers and developers from academia and industry in the field of Web Engineering research, practice and education, to share their experiences and to discuss recent and innovative results that may help them.

Deadline for paper abstracts -- July 1, 2007

Deadline for paper submissions -- July 7, 2007

Deadline for workshop/tutorial -- July 15, 2007

Extended deadline for demonstration proposals -- July 31, 2007

Notification of workshop/tutorial acceptance -- September 15, 2007

Notification to paper authors -- September 15, 2007

Notification of demonstration acceptance -- September 15, 2007

Deadline for final versions -- October 25, 2007

Workshops and tutorials -- December 14, 2007

Main Conference -- December 15-16, 2007



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 and information for publication should be submitted to: Biron Pickens, Editor, 5015 Moss Point Rd., Dallas, TX 75232, Phone (972) 824-8284, Fax (972) 263-6710, Email: [drbtimothy@sbcglobal.net](mailto:drbtimothy@sbcglobal.net). Special announcements must first be submitted to Bob Shapiro, Administrative Chairman, Phone (214) 448-4818, Email: [rcshapiro@comcast.net](mailto:rcshapiro@comcast.net), and will be published on a space-available basis. Deadline for submission of materials is no later than the first of the month prior to the month of publication.

**Advertising:** *Direction* is distributed to approximately 7,200 members in the Greater Dallas area. Camera-ready copy must be submitted by the first of the month prior to the month of publication to the Editor at the above address.

Invoicing and/or contractual agreements for advertising are administered by Biron Pickens, Editor, and Gerry Burnham, Administrative Chairman. All ad insertions must be cleared through Biron Pickens or Dr. Gerry Burnham before being submitted for publication. Advertising rates are as follows:

	Per Insertion	
Full Page	\$800.00	Quarter Page \$200.00
Half Page	\$400.00	Bus. Card \$120.00



**Who Should Attend**

The workshop is not a training course, but a forum for exchanging ideas and practical experiences involving knowledge, work practices and technology that is changing electrical safety in the workplace. Targeted audiences include but is not limited to people involved in electrical safety in these areas of interest:

Facilities construction, operation and maintenance  
 Facilities and process design  
 Inherently safer products and equipment  
 Electrical safety services  
 Training and continuing education

Regulations and standards  
 Forensics  
 Risk management  
 Workplace safety  
 Human error and human factors

Our target audience embraces anyone concerned with advancing electrical safety performance in their operations, organizations or businesses. Past attendance has included people concerned with occupational electrical safety from all aspects of industry, commerce, engineering and scientific communities, such as:

Manufacturing  
 Construction  
 Mining  
 Petrochemical  
 Steel & metal  
 Pulp & paper  
 Automotive  
 Transportation  
 Utilities

Government agencies & laboratories  
 Maritime and shipping  
 Pharmaceutical  
 Food production & services  
 Aerospace  
 Military  
 Finance & banking

and others concerned with advancing electrical safety performance in their operations, organizations or businesses

Energy & Power generation

Past attendance has also included people concerned with providing knowledge, technology, products and services to enable and advance electrical safety performance in the workplace, such as:

Standards development organizations  
 Medical researchers  
 Safety & Risk management  
 Electrical equipment manufacturers and suppliers  
 Safety equipment manufacturers and suppliers

Training and education services  
 Engineering and consulting services  
 and others who enable and support advancements in electrical safety performance through their knowledge, products and services

**Hotel Information**

A block of rooms will be reserved at the Hyatt Regency Dallas Hotel. Check back here for information on hotel accommodations.

Conveniently located near the business, sports and shopping districts, Hyatt Regency Dallas is in the heart of downtown's historic district. This gem among Dallas hotels is four blocks from the downtown Dallas business center and 23 miles from Dallas Fort Worth International Airport.

Hyatt Regency Dallas  
 300 Reunion Boulevard  
 Dallas, Texas, USA 75207  
 Tel: +1 (214) 651-1234

