

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

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November 2002

National Electrical Safety Code (NESC) Review Seminar

Presented Jointly by the PES and Florida West Coast Section

Mr. Bob Moore, Senior Engineer, Distribution Engineering, Tampa Electric Company Speaker:

Date: Friday, November 1, 2002

Time: Registration and Continental Breakfast - 8:00 A.M.

Seminar - 8:30 A.M. - 4:00 P.M.

New Location!!! Location:

> Seminole Electric Cooperative, Inc. 16313 N. Dale Mabry Hwy, Tampa

(813) 963-0994

Cost: IEEE and ASME Members \$50, Non-members \$100, Student Members \$20, continental

> breakfast and lunch are included Reservation fee must be paid in advance to guarantee your spot and is non-refundable. Please use the form below for reservation. Six (6) Professional Development Hours (PDH) will be awarded for seminar completion Florida Exempt Provider EXP00015. Contact Arthur L. Nordlinger, PE at 813-508-

2952 for more details.



Will Be Awarded

Topic:

The NESC is the IEEE publication of ANSI Standard C-2. It is the basis for construction standards for public or private electric supply, communications, railway, or similar utilities. Application of the NESC will result in a safe and reliable system. Understanding the NESC will allow personnel to work more efficiently and achieve decreased long-term costs. This class will review each section of the NESC and the latest changes to the code. Attendees should learn how to properly use the NESC to develop construction standards including clearances, grounding, and structure strength. Additionally, the organization and the revision process of the NESC will be covered.

Speaker:

Bob Moore has been employed at Tampa Electric for 30 years and is a Senior Engineer in the Distribution Engineering Department. He is a USF graduate electrical engineer. He is a member of the IEEE Working Group on the Lightning Performance of Distribution Lines, Southeastern Electric Exchange (SEE) NESC Section, Edison Electric Institute (EEI) Electric Light & Power (EL&P) Group, Hillsborough County Electrical Board of Adjustment, Appeals, & Examiners, and International Association Electrical Inspectors (IAEI) Board of Directors. He is a principal member of Code Making Panel 2 for the National Electrical Code (NEC). He is chairman of the SEE NEC Section. He is also principal member on Code Making Panels for National Fire Protection Association (NFPA) 501, 501A and 225.

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Chair's Comment By Quang Tang

I would like to thank Doug Gorham, Ralph Painter, and Jim Anderson for putting together an excellent Teacher-In-Service Program presentation. Ralph and I had the honor presenting this program at Sections

Congress 2002 in Washington DC last month.

If you have been laid-off recently, come to our meetings or seminars at half price. Our Section meeting this month will be a joint seminar with Power Engineering Society Chapter to present a review seminar on the latest National Electrical Safety Code (NESC). For those of you would like to learn about how to start your own business, come to our joint PACE and GOLD meeting. Please check out next page for more information.

All eligible voting members of the IEEE are encouraged to submit their IEEE Officer election ballots. Ballots must be received by noon on November 1, 2002 in order to be considered valid. If you have not received your ballots, please contact Angela Wyckoff at (516) 562-3934 or email her at a.wycoff@ieee.org.

2003 Review Seminars For PE Electrical and EIT/FE **April 11 and 12 Examinations**

Review seminars for the PE (Electrical) and Engineer In **Training Fundamentals** / Engineering (EIT/FE) exams will be held:

Mondays, January 27 thru March 31 for the EIT/FE Exam & Thursdays, January 30 thru April 3 for the EE Exam.

Seminars are conducted from 7-10 P.M. (Monday or Thursday) for ten weeks. The registration fee is \$325 and includes text. The seminars will be held on the main USF campus in Tampa and will also be available via Internet.

To register, contact: Alan M. Keith, P.E., PO Box 14042, (EC37), St Pete, FL 33733.

> Alan.Keith@pgnmail.com Phone (727) 384-7937, FAX (727) 384-7865 Pinellas Chapter, Fla. Engineering Society

How to Start Your Own Business

PACE and GOLD Joint Meeting

Date: Monday, November 18, 2002

Time: 6:30PM

Speaker: Ms. Kimberley W. Cole, CPA

Location: USF Marshall Center, Presidential Reception Room

Cost: \$5 for Student Members, \$10 for IEEE members, \$15 for non-members

Reservations: Call Scott Haynes at (813) 994-3011 or e-mail wshaynes@ieee.org

This meeting is brought to you by Florida West Coast Section Professional Activities Committee for Engineers (PACE) and Graduates Of the Last Decade (GOLD).

Abstract:

For lots of people, starting their own business is part of the American dream. For others, economic events and corporate downsizing may necessitate exploring this alternative. This meeting provides an overview of the steps for starting your own business:

- Idea Generation
- Marketing on a Shoestring Budget
- Where to Find the Money
- Business Planning

Biographical Sketch:

Kimberley W. Cole is a Certified Public Accountant in public practice in Tampa. She moved to Tampa in 1990 from New Jersey. She established a public accounting practice in 1993 that specialized in small business start-up ventures. In 1997, the Small Business Administration named her Accountant Advocate of the Year for the South Florida District. She then joined the University of South Florida, Small Business Development Center (SBDC) in the capacity of Certified Business Analyst. During her tenure at the SBDC, she assisted numerous start-up and expanding businesses through Quick Book advising, business plan preparation, strategic planning and general consulting. The Business & Professional Women - Carrollwood Chapter named her a Woman of Distinction in 1998 based on her efforts on behalf of small businesses.

In November, 2001, Kim returned to her public accounting practice. She also serves as the Area Accounting Chair for the University of Phoenix, Tampa Campus. She has been an instructor for the University of Phoenix both in class and online in such courses as Financial Accounting, Economics, Financial Management, International Finance, Managerial Accounting, and New Venture Management.

Kim is married with three children and lives in New Tampa.

Directions to the Phyllis P. Marshall Center:

Visitors will need to enter the campus from Fowler Avenue. Stop by the Information Center at the main entrance and pick up a parking permit. Take a right at the traffic light onto Alumni Drive. Take a left onto Maple and go to the first traffic light. Take a left at the light onto East Holly and go to North Palm. Take a left onto North Palm (you can now see the Special Events Center directly in front of you). Park in the lots along the left side of the road.

Reed Solomon for Design Engineers

Presented by Computer Society Chapter

Date/Time: December 10, 2002, 6:00 PM

Speaker: Mr. Joseph H. Keith

Location: TBD based on early registration.

RVSP: <u>www.pl-ug.org</u>

Reed Solomon is a Forward Error Correction (FEC) code used in satellite and space communication, RAID and hard disk controllers, music CD's, HDTV, cell phones.

A complete Reed Solomon encoder and decoder implementation in a FPGA will be covered. The Galios Field definition and the expansion of the generator polynomial will be covered. Addition and multiplication in the Galios field is presented. The decoder design includes the calculation of the syndromes, the Berly Kamp algorithm, the Chien search, and the Forney algorithm.

Presenter:

Joseph H. Keith graduated from Auburn University with a BS in EP and a MS in EE. He completed the course work for a PHD in EE. at Auburn. Further advanced course work at the University of Tennessee and the university of Alabama. He has more than forty years of design experience and has worked as an independent consultant for the past twenty years.

CELEBRATE ENGINEERS WEEK 2003 BANQUET

Date: Friday, February 7, 2003

Time: 5:30PM Social, 7:00PM Dinner, 8:15PM Program

Location: A La Carte Event Pavillion (813) 381-5390

4050 Dana Shores Dr., Tampa, FL 33634

Speaker: To Be Determined

Emcee: Will be local Celebrity

Awards: Engineer of the Year

Engineering Student of the Year

Teachers of the Year

Entertainment: Caricaturist, Magician, Music through out the evening

Door Prize: Given through out the evening

ASME International





Participating Societies: Association for Facility Engineers (AFE), American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE), American Society of Mechanical Engineers (ASME), Institute of Electrical and Electronics Engineers (IEEE), and Society of Logistic Engineers (SOLE).

Mark your calendar today! This is the outstanding banquet for engineers and their families that everyone is talking about. For more information, please contact Quang Tang at (813) 739-1222 or email <u>q.tang@ieee.org</u>.



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November 2002 Calendar of Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 Joint Section & PES/IAS Seminar "NESC Review Seminar" 8:00am – 4:00pm	
3	4	5 IEEE FWCS EXCOM Meeting at 5:30pm TECO Plaza	6	7	8	9
10	11	12	13	14	15	16
17	18 Joint Meeting PACE & GOLD "How to Start Your Own Business", 6:30	19	20	21	22	23
24	25	26	27	28	29	30

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