

Visit the IEEE Denver Section Home Page at www.engr.du.edu/ieee/densec.html

PES/IAS Meetings

It will soon be that time of year again. In order to plan your calendars early, below is the list of PES early fall meetings.

October 15

Tour of Easter Owens facility. Topics of tour will include NEMA ratings, UL listing and Industrial control systems. Tour will start at 5:30 p.m. and include a snack.

November 19

Tour of National Renewable Energy Laboratory (NREL) facility in Golden. Tour will begin at 5:30 p.m,

PES/IAS meetings are typically held on the third Thursday of the month September through May excluding December. All participants are requested to sign up in advance by calling Barbara Linton at (303) 388-6322.

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Meetings

EMC Society Meetings

October 20, 1998

Robert Dockey will speak on "Reducing PCB Common-Mode Radiation. At NIST in Boulder, 7:00 p.m. Call Joe Kramer @ (303) 402-5272 for more information.

December 8, 1998

Meeting/Vendor Night/Dinner At the Raintree Plaza in Longmont, 6:00 p.m. For reservations and more details call Joe Kramer @ (303) 402-5272.

IEEE Magnetics Society

Thursday, October 22, 1998

University of Colorado Engineering Center Room EECR 200

Refreshments: 5:00 p.m. Program: 5:30 p.m.

Speaker

Prof. Carl Patton, CSU

"Processing Magnets and Microwave Resonance in Magnetic Systems and Switching Connections"

Contact Peter Hopkins (303) 604-5401, hopkins@qntm.com

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P.O. Box 5888 Denver, CO 80217 (303) 843-2000 FAX: (303) 843-2208

Election of Officers

Please plan to attend the next Denver Section Meeting. Election of officers is scheduled for this meeting. The following slate of officers has been proposed for the Denver Section Executive Board.

Chair-Elect - Jim West

Sr. Vice Chair - Open

Vice Chair Member Services - Lisa Brookman

Vice Chair Student Activities - Kathleen Meehan

Secretary - Open

Treasurer - Trevor Pfaff

At the time of publication, nomination for the office of Sr. Vice Chair and Secretary have not been received. Additional nominations for all Executive Board offices will be accepted until one week prior to the election. Please forward nominations to the Nominations Committee in care of Dave Richmond at (303) 843-2465.

- Power Systems Design & Analysis using SKM Power*Tools for Windows -

TARGET AUDIENCE:

This course is intended for electric power engineers responsible for the design of three-phase electrical distribution systems. This course will stress calculation procedures, input data requirements, interpretation of output data and the application of the SKM PTW software as a design

COURSE OUTLINE:

Background

- Per Unit Representation
- Symmetrical Components
- Sequence Impedance of System Components T-lines, cables, transformers, motors

Fault Studies

- Solution Techniques
 - 3P, SLG, LL, LLG Faults
- Classical Method ANSI Method
- Short Circuit Models
- Input Data Requirements
- Output Data & Documentation
- Load Flow Studies
- Solution Technique Load Flow Models
- Load Models (KVAc, Zc & Ic)
 - Generation Models (PQ, PV & SB)
 - Input Data Requirements
- Output Data & Documentation

Motor Starting Studies

- Solution Technique
- Motor Starting Study Models
 - Motor Models
 - Load Models
- Input Data Requirements
- Output Data & Documentation Protective Device Coordination Studies
- Standard Protection Schemes
 - Tips for Selecting Equipment Ratings
 - Tips for Setting Protective Devices
- Methodology
- Input Data Requirements
- Output Data & Documentation

PTW Computer Lab

Case Studies using SKM PTW Software

REGISTRATION:

To register please complete the registration form and return with payment to:

> SKM Systems Analysis, Inc. 225 So. Sepulveda Blvd., Suite 350 Manhattan Beach, CA 90266-1376 (310) 372 - 0088

Advanced registration and payment are required 15 days prior to the start of the course.

Total enrollment will be limited. The course may be canceled and the fees refunded if advanced registration does not reach a required minimum.

COURSE FEE:

The course fee is \$1395. This includes all materials, computer usage, lunch and refreshments at breaks. The course hours are 8:00 a.m. to 5:00 p.m. Monday through Thursday and 8:00 a.m. to noon on Friday.

REGISTRATION FORM:

Name:			
Company:	Late Anne		
Address:			
City:	State: Zip:		
Phone:	Fax:		
Houston, TX	July 27th - 31st		
Kansas City, MO	August 24th - 28th		
Denver, CO	September 14 th - 18 th		
Baton Rouge, LA	October 12 th - 16 th		
San Francisco, CA	November 16 th - 20 th		
Phoenix, AR	December 7th - 11th		

IEEE-USA Professional Activities

IEEE-USA Study Shows Steady Increase in Worker Demand

The demand for all electrotechnology engineers in the U.S. will increase by 28 percent over the next decade, while demand for computer engineers, computer scientists and systems analysts will grow about 40 percent during the same period, according to an IEEE-USA study. The workforce forecast, developed by DRI/McGraw-Hill, used sophisticated economic input-output methodology to create more reliable projections than possible through impressions of current demand. While the IEEE-USA forecast shows that future needs will require additional electrotechnology professionals, the IEEE-USA Workforce Committee projects that the existing domestic workforce is capable of providing these additional workers. For more information contact Chris Currie, IEEE-USA, 202-785-0017, c.currie@ieee.org.

Virus Scanning

To improve the Institute's virusscanning capabilities, IEEE Information Technology installed a new email relay machine on 16 December. All attachments to email addressed to <user name@ieee.org> will automatically be scanned for viruses. If a virus is detected in an attachment, the message will be delivered without the attachment. The system will send a notice to the recipient, the sender and the system administrator that the attachment was deleted. It will be up to the sender to clean the attached file before sending it again. For additional information, contact Lyle Smith, IEEE Information Technology, 732-56206521, l.smith@ieee.org.

ELECTRICAL ENGINEER

BSEE, 5+ years experience in power design. Low and medium voltage systems. Familiar with Captor & Dapper or EDSA for fault current and time current coordination studies. Experience in design of relay protection and coordination for paralleling generators, UPS system integration, and power design for commercial institutional buildings. PE desired.

Salt Lake City position also available. Send/fax resume with salary history to:

> The RMH Group 12600 W. Colfax Ave., Suite A-400 Lakewood, CO 80215 Fax (303) 312-4609 dvickers@rmhgroup.com EOE/AA.

Newsletter Deadlines and Advertising Information

Deadlines for the RockIEEE Overlook are as follows.

<u>Newsletter</u> September 1998 October 1998 November 1998 December 1998 January 1999 February 1999 March 1999 April 1999 May 1999

Deadline August 1, 1998 September 1, 1998 October 1, 1998 No Issue December 1, 1998 January 1, 1998 February 1, 1998 March 1, 1998 April 1, 1998

Send ads to Anita Wanberg, P.O. Box 4626, Englewood, CO 80155-4626 or call (303) 220-8042. Make checks payable to IEEE Denver Section.

Artwork should be submitted in camera-ready form (PMT). Please accompany all artwork with a check and a letter stating the number of times and dates the ad should be run. Ads should fit within the dimensions listed below.

Description	Dimensions	Single Rate	Multiple
Business Card	2.5" w x 1.5" h	\$ 25.00/mo.	\$ 20.00/mo.
1/8 page	3.5" w x 2" h	60.00/mo.	50.00/mo.
1/4 page	3.5" w x 4.5" h	150.00/mo.	130.00/mo.
1/2 page	7.5" w x 4.5" h	250.00/mo.	225.00/mo.
Full page	7.5" w x 9.5" h	400.00/mo.	360.00/mo.
Inserts	8-1/2 " w x 11" h	250.00/pg.	200.00/pg.

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Senior Past Chair / Programs- Bob Struthers, (303) 843-2235, r.struthers@ieee.org
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Pre-College Student Activities Student Fund - Edward Pitchkolan, (303) 966-3707

Student Branch Activities - John Synhorst, (303) 556-2504, synhorsj@mscd.edu Professional Activities (PACE) - Christy Yearous, (303) 924-6658, yearous@us1.ibm.com

Professional/Industry Liaison - Jeff Wilson, (303) 388-6322, pcoden@interramp.com Finance - Jeff Wilson, (303) 388-6322, pcoden@interramp.com Membership - Fareed Hasan, (303) 843-2347, shasan@ccgate.ueci.com Nominations - Dave Richmond, (303) 843-2465, d.richmond@ieee.org Conference Activities - John Nelson, (303) 431-7895, nei19@IDT.NET Awards & Bylaws - Bob Struthers, (303) 843-2235, r.struthers@ieee.org Long Range Planning - Paul Meisel, (303) 673-9930, p.meisel@ieee.org Publicity -

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Black Hills Subsection - Dr. James W. Cote, Jr., (605) 394-5196, jcote@silver.sdsmt.edu Centennial Subsection -

Chapter Officers

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tre4p@aol.com

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Please notify IEEE headquarters of any changes to your address and/or phone number by calling 1-800-678-IEEE (4333). We can not change this information in the Denver Area.



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