IEEE Section/Chapters Meeting

On Wednesday, April 17, the Denver Section will join with its technical chapters in presenting the Annual Denver IEEE Section/Chapters Spin Out Meeting. This year the event will be held at the Writers' Manor, 1730 S. Colorado Boulevard.

Our featured speaker is Dr. Al Rosa, the distinguished head of the Department of Engineering at the University of Denver. He will be speaking on "The Need for Continuing Education for Engineers." With rapidly advancing technologies, continuing education is becoming a necessity rather than an option for most engineers. This education can occur in many forms.

Participating chapters may have their own speakers. Those programs will begin at 8:00 p.m. the same evening. Information on those topics will be found elsewhere in the RockIEEE Overlook.

The schedule for the meeting is:

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>6:00 - 6:30 p.m.</td>
<td>Social Time</td>
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<td>6:30 - 7:30 p.m.</td>
<td>Dinner by reservation</td>
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<td>7:30 - 8:00 p.m.</td>
<td>Featured speaker</td>
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<tr>
<td>8:00 - 9:30 p.m.</td>
<td>Chapter meetings</td>
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The cost of the meal is $15.00. Reservations should be made by noon, Monday, April 15. Students are very welcome as this is an excellent time to meet engineers in commerce and industry. Reservations for the dinner may be made by calling Anita Wanberg at 220-8042.

THANK-YOU to John Tierney at Public Service Company of Colorado for his effort in working with the Denver Section membership database.
EMC
Electromagnetic Compatibility Society

Tuesday, April 9, 1991

Public Service Company of Colorado
Training Center, Classroom #1
938 Bannock St., Denver, Colorado
7:00 p.m.
(open parking in front and rear of building)

Speaker
Robert Pearson, Ph.D.
Public Service Company
EMF Group Vice Chairman

Reliability Society
Front Range Software Quality Committee

Friday, April 26, 1991

Storage Technology
Louisville, Colorado
2:00 - 4:00 p.m.

Speakers
Dr. Richard Fairley
Software Engineering Management Associates

"Systems Engineering of Software"

Systems Engineering is concerned with the analysis, design, and implementation of systems composed of complex and diverse types of components. Many of the techniques used by systems engineers can be adapted to software engineering. Some software engineering techniques are useful in wider system contexts.

On April 26th, 1991, Dr. Fairley of Software Engineering Management Associates, will focus on applications of systems engineering techniques to the analysis and design of software systems, and on identifying and controlling system risks during software development.

Please call Rick Karcich, 673-6223 for information.

VTS/COMSOC

*** Notice ***

Nominations for the positions of Chairman, Vice Chairman, and Treasurer of VTS/COMSOC for 1991-1992 may be submitted to John Hardzinski at 977-2224 (W) or 693-2198 (H).
Chairman's Message
by Gary Petersen

What is IEEE?

At a recent meeting of Denver Section and Chapter officers, there was much discussion about "What is IEEE" -- the organization, its membership and its objectives. This message is a brief overview of the IEEE organization as a whole. In future articles we will discuss some of the activities in more detail.

IEEE is a transnational, individual-member society which has been in existence more than 100 years. It is the world's largest technical professional organization with more than 300,000 members in over 130 countries. Its objectives are scientific, educational, professional and societal. It represents the technical interests of members through 38 technical societies (19 of these have active chapters in the Denver Section). IEEE authors and publications produce 20 percent of the world's literature on electro technology. IEEE has produced some 600 active standards worldwide. Educational activities are available from IEEE in the form of tutorials, seminars, technical meetings, home-study and video conferencing. Professional activities for U.S. members are addressed through the United States Activities Board (USAB) with such issues as economic, legislative, pensions, ethical and social concerns. IEEE also recognizes outstanding engineering innovation and excellence through an Awards and Recognitions program.

It is difficult to describe all that IEEE is -- it is a large organization that addresses the needs of its members in many different ways. In future articles, we will look in more detail at RAB, TAB, USAB, EAB, FASE and other boards that we hear about but may not be familiar with.

Overlook Advertising

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Business card ads must be actual business cards. All other ads should be provided in camera-ready format or additional set-up charges may apply. Inserts must be provided (quantity approx. 4225) and delivered to the printer.

Deadlines for 1991-1992

- May 1991 Newsletter - April 5, 1991
- September 1991 Newsletter - August 5, 1991
- October 1991 Newsletter - September 2, 1991
  (There will be no December 1991 issue)
- February 1992 Newsletter - January 3, 1992
- March 1992 Newsletter - February 3, 1992
- April 1992 Newsletter - March 2, 1992
- May 1992 Newsletter - April 1, 1992

Please make checks payable to Denver Section IEEE. Send business card or ad copy and check to: Anita Wanberg, AMW, P.O. Box 4056, Englewood CO 80155-4056, (303) 220-8042.

1991 Regional Exhibit
Instrumentation/Controls/Automation

Denver Section

Exhibit

WHAT: 100 Booths with state-of-the-art instrumentation, control and automation products.

WHEN: May 1 & 2, 1991
   Wednesday - 10:00 a.m. - 6:00 p.m.
   Thursday - 8:30 a.m. - 2:00 p.m.

WHERE: Holiday Inn, I-70 and Chambers Rd.

Exhibit Admission Free!!

Technical Sessions

Informative technical sessions will be taking place throughout the exhibit hours.

Call Anita Wanberg, 220-8042 for more information and for technical session and exhibit registration and pricing.

* Plenty of parking at the John Q. Hammons Trade Center, entrance on east side of hotel, 20 minutes from downtown, 20 minutes to Denver Tech Center. (303) 371-9494.
Short Course for Design Engineers
by the Reliability Society of IEEE

Basic Concepts in Reliability
for Software and Hardware Designs
by Dr. Samuel Keene and John Adams

A one day course for Design Engineers to achieve better reliability in Software and Hardware designs.
Your management will thank you!

April 19, 1991
8:30 a.m. - 4:30 p.m.
Holiday Inn Denver North, Denver, Colorado
(1-70 and I-25)

Cost
$60.00 for IEEE members
$90.00 for non-members with a 1/2 year complimentary IEEE membership
(Lunch and refreshments are included)

Register prior to April 12, 1991
Contact: J.R. Adams - IEEE Reliability Treasurer, (303) 530-6503.

University of Colorado at Denver
The Division of Extended Studies the Department of Electrical Engineering
presents a one day short course

Part II
Facilities Electrical Design and Practical NEC Applications
Friday, May 3, 1991

This is another in our series of one-day courses on selected topics in electrical power systems, machines, and energy. This course will cover overcurrent protection, distribution/branch circuit layout, and conductors / raceways, in addition to other NEC items.

Cost: $225 per participant
$200 per participant for two or more from the same job site

Note: A 10% discount also applies for those who attended FED Part I.

Call Arne Arneson, CU-Denver Director of Corporate Programs, at (303) 893-8521 to
Chapter Representative Report
by Ray Jukkola

On Saturday March 2nd, the Denver Section hosted a Chapter Officers Training Session. This was the first time an official training session was held by the Section. The Chapter Chairman, Vice Chairman, and Secretary/Treasurer were invited to the training session. The meeting was very successful. Every chapter had at least one representative present.

The meeting was divided into two major parts. The first part was an overview of the Denver Section duties and responsibilities to the Chapters. The second part was an overview of the Chapter Officers duties required to establish and maintain an active chapter for you, the individual member.

The Chapter officers now have information on chapter procedures, but they really need active involvement of the individuals within the chapter to maintain a successful chapter.

Your chapter officers took three and one-half hours out of their busy Saturday to learn how to help you. Would you now help them by becoming involved in the chapter in a small way.

Please volunteer to help your chapter officers with meeting topic suggestions, tour suggestions, or other items of interest to you, the chapter member.

Remember - the chapter can only be as active as the membership within the chapter. Call your Chapter Chairman with your ideas now!!

Rocky Mountain Laboratories, Inc.
since 1963
Materials Engineering and Microanalysis Laboratories
SEM/EDX•AUGER•ESCA•SIMS•FTIR
602 Park Point Drive
Golden, Colorado 80401
(303)526-5449 FAX 526-0877
(800)PRO-LABS (776-5227)

Satellite Communications
by Timothy Pratt

An exploration of the complete system—from spacecraft to discussion of the atmosphere through which signals pass.


Satellite Communications is IEEE member priced at $199 ($398 non-member). For a full description of the program and complete ordering information, call IEEE today at 1-201-562-5498...Telex: 833233...Fax: 1-201-981-1686.

Or write to:
IEEE Educational Activities
445 Hoes Lane
PO Box 1331
Piscataway, NJ 08855-1331

Schedule of Conferences and Meetings

April 12–14, 1991 Laramie Region 5 Conference
June 17–19, 1991 Boulder 49th Device Research Conference
October 10–11, 1991 Denver Careers Conference
May 11–13, 1992 Denver Vehicular Technology Conf. (VTC '92)
Sept./Oct. 1994 Denver IAS Annual Meeting
September 10–14, 1995 Denver Petroleum & Chemical (PCIC)
July, 1996 Denver PES Summer Meeting
May 1997 Denver MTT

Proposed Conferences and Meetings

International Conference on Harmonics in Power Systems (ICHPS) 1994
PES Joint Power Generation 1994
ESMO 1996
Sections Congress 1996
Transmission & Distribution 1997
ITC 2000
The Institute of Electrical and Electronics Engineers - Denver Section

Executive Board

Chairman
Gary A. Petersen
Public Service of CO
5525 E. 38th Ave.
Denver CO 80207
329-1506

Society Chapters - Ray Jukkola, EMC Engineers, 988-2951
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Professional Activities - Darrell Sabatka, Public Service of CO, 329-1547
Nomination - John R. Reesey, 755-1720
Membership - Don E. Lindahl, Siemens Energy & Automation, 770-7907
Pre-College Student Activities - Dan Michaels, Ball Aerospace, 939-5139

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Student Branch Activities - Michael Meister, National Telecommunications and Information Administration, 497-6571

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Subsection Chairman

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Centennial - Sadru Ula, Electrical Engineering Dept., University of Wyoming, Laramie WY 82071, (307) 766-6268

Society Chapter Chairman

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Electromagnetic Compatibility - Mark Lapham, Matrim Information Storage, 773-4626
Engineering in Medicine and Biology - Jochen Edrich, University of CO - Denver, 759-4002
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Joint Computer/Information Theory - Rory Laiho, IBM, 924-7534
Joint Vehicular Technology/Communications - Ken Shugg, Martin Marietta Information and Communications Systems, 397-7417

Instrumentation & Measure. - Richard Groves, CO School of Mines, 273-3677
Laser & Electro Optics - Arun K. Majumdar, Univ of CO Denver, 556-2715
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Power Electronics - Clyde Manning, Intelinor, 682-6492
Power Engineering - Kenneth McBryde, CO Ute Electric Assoc., 249-4501
Reliability - Rick Karch, StorageTek, 673-6223

Senior Past Chairman - Keith Henderson, Electric Power Testing, 650-2218

RockIEEE Overlook Editor - David B. Richmond, United Engineers, 843-2465
Publication Coordinator - Anita Wanberg, AMW, 220-8042

The Institute of Electrical and Electronics Engineers
Denver Section
P.O. Box 4056
Englewood CO 80155-4056
Phone: 220-8042

The Month at a Glance

April 9, 1991
EMC Meeting

April 12-14
Region 5 Conference

April 17, 1991
Denver Section/Chapters Meeting

April 18, 1991
Magnetics Society Meeting
APP/MTT/GRS Meeting

April 19, 1991
Short Course for Design Engineers

April 22, 1991
Reliability Sump. Advance Regis. ends

April 26, 1991
Reliability/FRSQC Meeting

April 28 - May 2, 1991
PES Substimation Committee Meeting

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