Society Chapter Meetings

Joint Boulder-Denver AP/MTT/GRS
Antennas and Propagation, Microwave Theory and Techniques, Geoscience and Remote Sensing

Date: Thursday, February 16, 1989
Place: National Bureau of Standards,
325 Broadway, Boulder, Room 1103
Time: 4:00 - 5:00 pm
Speaker: Dr. George Ludwig
Sr. Research Associate
Laboratory for Atmospheric and Space Physics, University of Colorado - Boulder, Colorado
Topic: The First Explorers and The Discovery of the Van Allen Belts" Explorer I (the first U.S. satellite) and its close cousin Explorer III, were launched atop the Army's Jupiter-C vehicle in early 1958, and their data resulted in the discovery of the Van Allen Radiation Belts. The primary instruments in those satellites were originally designed at the University of Iowa to conduct a totally different scientific experiment and for launch on a different launch vehicle. This lecture traces the development, launch, and use of a family of early Explorer instruments and their role in the most important discovery of the International Geophysical year. This work was done during the thrilling and heady era when it was still possible for a graduate student to carry not just one, but many satellite payloads from concept to fruition during his period of graduate study.
Contact: Bob Seeley, 986-6790.

Joint PES/IAS - Power Engineering/Industry Applications

Date: Thursday, February 16, 1989
Place: Brooklyn's, 2644 W. Colfax Ave.
Time: 6:00 pm Social
7:00 pm Dinner (optional @ $10.00)
8:00 pm Meeting
Speaker: Al Horne, Chief Electrical Engineer City of Denver
Topic: Electrical Code Changes Discussion of recent changes to the National electric Code (NEC) and pending changes to Denver's Uniform Building Code (UBC).
Contact: Barbara, Peterson Company, 388-6322, by Monday, February 13, 1989

Joint VTS/COMSOC - Vehicular Technology/Communications Societies

Date: Tuesday, February 7, 1989
Place: Mission Trujillo, 181 Ridge Road,
Littleton (at Broadway, 794-5364)
Time: 6:30 Dinner (order from the menu) Program follows.
Speaker: Bob Lovisone, State of Colorado Department of Telecommunications.
Contact: John Hardzinski, 977-2224, or see the February Overlook for more information.

EMC - Electro-magnetic Compatibility

Date: Tuesday, February 21, 1989
Place: Honeywell, 4800 E. Dry Creek Rd.
Time: 7:00 pm
Contact: Bill Bryant, 977-6578, for more information.

Please cancel your reservations if you are unable to attend a meeting. No-shows will be responsible for the cost (if any) of dinner.
Chairman's Message
by Keith Henderson

Are you promoting your engineering profession to high school and college students? Do your own kids, and the kids of friends know about your own job and personal satisfaction? How do you sell the "tougher road" in education? How do you feel about the thought of superior foreign technical competence? What are you doing about it? How many kids know that John Sumun, the new White House Chief of Staff, came from an engineering background?

Take a look at the activities of Engineer's Week. Come and join us at the Legislative Breakfast Wednesday, February 22, 7:30 - 9:00 am, and meet your representatives. Have dinner with us at the IEE Table at the Colorado Engineer's Dinner on Friday, February 24, at the Regency. Governor Roy Romer will be the dinner speaker.

Engineers work to enhance the quality of life for all people. Pat yourself on the back and blow your own horn! The Denver Section of the IEEE salutes YOU!

Oh! Yes! A meeting a month is all we ask.

NATIONAL ENGINEERS WEEK
February 19-25, 1989
Colorado Society of Engineers Engineers' Week Dinner Regency Hotel, Downtown Denver February 24, 1989
Contact: Warren Andrews, 279-1277
Contact: Paul Cheng, CEC Pres., 977-1356
Consulting Engineers Council of Colorado Annual Awards Banquet Denver Athletic Club May 21, 1989
Contact: Sandy Donnell, 237-6978

Ute Chapter Professional Engineers of Colo. Joint Dinner Meeting with AIME Grand Junction Hilton Hotel Grand Junction, Colorado February 25, 1989
Contact: John Cunningham, NSPE, 800-828-8163 John Wright, AIME, 241-6619

PEC Bridge Building Contest Bureau of Reclamation, Testing Lab Denver Federal Center March 4, 1989
Contact: Jim Higerd, 667-6475

Southern Chapter Professional Engineers of CO A slide show presentation to middle school students on engineering careers. Twelve Middle Schools in Southern Colorado Begins in February and runs during the school year.
Contact: Jim Higerd, 667-6475

National Engineers Week Banquet The main Consulting Engineers Council of Colorado (CECC) event during National Engineers Week has traditionally been the CECC Engineering Awards Banquet, a formal, black-tie optional, dinner at the Denver Athletic Club. Usual attendance is 150-200 persons. In addition to presenting awards to the most outstanding projects in five or six categories, CECC presents its prestigious General Palmer award to an "outstanding engineer in the industry." Last year's winner was George Wallace, P.E., founder of the Denver Tech Center. The CECC scholarships are also presented at the banquet. For information, call Richard Weinhardt, 292-5722.

PES/IAS Tentative Meeting Schedule
March 16, 1989 - Co-Generation Panel Discussion
April 12, 1989 - Motor Starting, Jackson Fuller (Joint with Denver Section)
May 18, 1989 - Micro-Processor Based Distance Relaying

Transformer/Induction Motors, Pankaj Sen

Transformer & Induction Motor Tutorial Again this year, the Joint PES/IAS Chapter is sponsoring a tutorial on Electrical Power Theory and Applications. Dr. Pankaj K. Sen, P.E., Associate Professor, EE & CS Dept., University of Colorado-Denver will present the tutorial. This year's topics are Transformers and Induction Motors.

Each topic will be covered in a four hour session held on consecutive Friday mornings and Saturday mornings.

Transformers
Friday, February 10, 1989, 12:30-4:30 pm Saturday, February 11, 1989, 8:00-12:00 noon

Induction Motors
Friday, February 17 1989, 12:30-4:30 pm Saturday, February 18, 1989, 8:00-12:00 noon

All sessions will be held at the Public Service company 38th Avenue Training Center. Cost for the tutorial will be $45 for individuals and $80 for both sessions. Please register as soon as possible on the form provided in this issue. Enrollment will be limited to 15 minimum and 45 maximum participants.

For further information, call Bob Sant at 659-0551.

1989 IEEE Aerospace Applications Conference
February 5-10, 1989
Sponsor: IEEE Los Angeles, South Bay Section
Place: Breckenridge, Colorado
Topics: Systems Concept and Management Aerospace Electronics Satellite Applications Microwave and Millimeter Technology Computer Systems & Software
Contact: Mr. Leo A. Mallette, Hughes Aircraft MS: Bldg R-10, A9026 P.O. Box 92919, Los Angeles CA 90009 (213) 334-2909

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Schedule of Conferences and Meetings
February 5-10, 1989 Breckenridge Aerospace Applications Leo Mallette (213) 334-2909
April 30-May 2, 1989 Colorado Spgs Rural Electric Power Conf. Leo Barrios (303) 452-6111
May 15-18, 1989 Denver Cement Industry Conference Randy Wiley (303) 534-4206
May 23-25, 1989 Denver EMC Conference John Adams (303) 497-3338
May 31-June 2, 1989 Denver Ultrasonics Ferroelectrics John Tary (303) 452-6111

June 17-21, 1990 Colorado Spgs. Utilities Communications George Stoll Council (UTC) Non-IEEE 571-2677
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Membership - Herb Bass, Herb Bass & Associates, 530-7509
Educational Activities - Pankaj K. Sen, EEECS Dept., University of Colorado Denver, 556-2872 or 556-2852
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THE MONTH AT A GLANCE

February 5-10
Aerospace Applications Conference

February 7
VTS/COMSOC Meeting

February 10-11, 17, 19
PES/IAS Tutorial

February 16
PES/IAS Meeting
AP/MTT/GRS Meeting

February 19-25
National Engineers Week

February 21
EMC Meeting

February 22
Section Executive Board Meeting

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