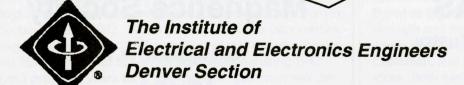
RockIEEE Overlook

Newsletter of



January 1993

Joint Meeting

IEEE Denver Section and Metro State Student Chapter

Wednesday, January 20, 1993

Metro State College - Auraria Campus South Classroom - Room 207 (Intersection of Speer and Colfax)

Time

6:00 p.m. - Dinner Pizza and soft drinks provided by the Denver Section

7:00 p.m. - Program

Speakers

Several Senior projects will be presented

Please call Marilyn Peterson at, 329-1615 by January 15, 1993 for reservations.

Society Chapter Meetings and Information

Joint PES/IAS

Power Engineering/Industry **Applications**

Thursday, January 21, 1993

Brooklyn's Saloon & Restaurant, 572-3999, 2644 W. Colfax, Denver (under the viaduct) 6:00 p.m. Social 6:30 p.m. Dinner (optional @ \$10.00, Student members free.) 7:30 p.m. Meeting,

Speaker

Phil Atwater, Section Head U.S. Bureau of Reclamation

"Results of Personal Protective Grounding Tests"

Staged faults were applied to the Hoover Power Plant generator N8 16.8 KV bus in various configurations with personal protective grounds to simulate a typical safetygrounded work site. The effect of ground cable/bus geometry on worker exposure voltage drop will be dis-

Please contact Barbara at Peterson Company, 388-6322, by Monday, January 18, 1993.

Magnetics Society

Thursday, January 28, 1993

5:30 - 6:30 p.m. Excellence Classroom, Building 6 Storage Technology Corporation 2270 S. 88th St., Louisville, CO

Speaker

Dr. Mark Kryder Director, Data Storage Systems Center Carnegie-Mellon University Pittsburgh, PA

"Future Ultrahigh Density Recording Technologies"

The NSF Engineering Research Center in Data Storage Systems at Carnegie-Mellon University is pursuing the goals of demonstrating to 10 Gbit/in2 magnetic and magneto-optic recording densities on disk and 1 terabyte/in³ on tape. This talk will describe the approaches to achieving these goals and progress made toward them at the

> Attendees must collect their access badges at the Visitor Center.

For more information, contact Subrata Dey, or Dr. Richard Dee at (303) 673-6494/673-3976.

Centennial Subsection

Wednesday, February 10, 1993

7:00 p.m.

University of Wyoming, Room 1062 Engineering Building, 12th and Lewis, Laramie, WY

For more information, please call Nancy Farrell at (303) 491-6600

Chairman's Corner

by Tom R. Gibbs

All of the 3500 plus recipients of this Overlook should join me in appreciation and thanks to Paul Meisel for his highly successful stewardship as Chairman of our Denver Section during 1992. When you see Paul this year continuing to participate in IEEE activities, please express thanks for his many hours of service volunteered during 1992 (and previous years too). The present Chairman will certainly be needing Paul's and the Sr. Past Chairman, Gary Petersen's valuable knowledge and insight this year. Paul has agreed to remain on the Executive Board as our Professional Activities Chairman, and is already planning to lead the next Workshop for Career Pursuit and Job Hunting before the end of this school year. Thanks again H. Paul Meisel.

Under the able leadership of last year's Professional Activities Chairman, Darrell Sabatka, the first Career Goal Setting and Job Hunting Strategies Workshop was held on October 17, 1992. It had the sponsorship of the Professional Engineers of Colorado, Pikes Peak IEEE Section, and our Denver Section. It was highly successful with attendees from as far as Rapid City. Please watch the Overlook as details of the next workshop are established.

After completing his year as Chapter Chair (Magnetics) Subrata Dey is welcomed to the Section Executive Board as the elected Secretary. new faces always add strength and fresh outlook to our organization. Also in newly elected positions are Darrell Sabatka, Senior Vice Chairman; and Michael Meister, Vice Chair - Members Services. Both men have contributed significantly to Denver Section activities during the past years. Only two of the board are continuing in their last year positions, Doyle Ellerbruch, Vice Chair - Student Activities, and Diana Lindstrom Treasurer. Each has already demonstrated excellence in their respective office. As this Chairman has not completed his work in confirming volunteers to fill all of the appointed Standing Committee Chairman positions, they will be listed in the next Overlook.

In 1993, many of us with career experience from entry to pre-retirement will be facing involuntary changes. Your IEEE is rapidly increasing its activities and capabilities to provide meaningful help and guidance to its members. Did you read the special December issue of Spectrum? The Denver Section Board asks you to provide any input you may have to assist others in the unemployment crunch.



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IEEE News

Engineers Week

February 14-20, 1993

National Engineers Week (NEW) has usually been scheduled by the NEW Secretariat and the NEW Steering Committee during the week of George Washington's actual birthday (on February 22), which often falls in the same week as the official Presidents' Day hol-

Please note that in 1993 Presidents' Day occurs on Monday, February 15, a week before Washington's birthday, and the 20-plus-society Steering Committee has approved February 14-20 (Sunday through Saturday) as the week of our celebrations.

Beginning in 1994, the volunteercomposed Steering Committee is requiring that Engineers Week coincide with Washington's actual birthday on February 22.

"Celebrate National Engineers Week, February 14-20, 1993."

One week each year is set aside to honor American engineers and encourage young men and women to join us in the exciting tasks of finding solutions to today's technical challenges and helping create the world of tomorrow. This year, on February 14-20, thousands of professional engineers will visit the nation's classrooms as part of the successful and ongoing Discover "E" program.

Please join us in this important effort by volunteering to give a presentation on engineering to a science or math class at a local school. Contact your engineering society chapter or headquarters to find out how you can help encourage the engineers of tomorrow.

Martha Sloan 1993 President The Institute of Electrical and Electronics Engineers, Inc. Chair, National Engineers Week

Kenneth T. Derr Chairman and CEO, Chevron Corporation Honorary Chairman, National Engineers Week



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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 1992-1993

February 1993 Newsletter - January 1, 1993

April 1993 Newsletter - March 1, 1993 March 1993 Newsletter - February 1, 1993 May 1993 Newsletter - April 2, 1993

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.

Professional Activities

by Darrell Sabatka

The Employment Seminar held in October last year was attended by over 100 people. Fifteen students attended from as far away as Rapid City, South Dakota and seven IEEE members came up from Colorado Springs. Each registrant received a comprehensive notebook and during the eight hour class, learned about the process to assess themselves and then start building the framework to find the most rewarding job. Planning is under way for another workshop in 1993.

Don't forget that February 14-20 is Engineers Week. Your PACE Chairman has a lot of materials and several videotapes. Call him if you have an idea to promote engineers t their peers or students.

Please note your PACE Chairman for 1993 is Paul Meisel. Paul has a wealth of experience and energy -- call with your ideas of if you need assistance.

ISSRE '93

The Fourth International Symposium on **Software Reliability Engineering**

November 3-6, 1993

Call for Papers and Participation

Submission Deadline, March 15, 1993 Contact Anneliese von Mayrhauser Dept. to Computer Science Colorado State University Fort Collins, CO 80523, USA (303) 491-7016, avm@cs.colostate.edu

ACTP Meeting Announcement

The Association of Colorado **Telecommunications Professionals**

Thursday, February 11, 1993

RSVP (303) 628-6964

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

Schedule of Conferences and Meetings

November 3-6, 1993	Denver	ISSRE (Int. Symp. Software Rel. Eng.	Rick Karcich	(303) 673-6223
Sept./Oct., 1994	Denver	IAS Annual Meeting	Paul Meisel	(303) 761-6960
September 10-14, 1995	Denver	Petroleum & Chemical (PCIC)	John Nelson	(303) 431-7895
July27-August 2, 1996	Denver	PES Summer Meeting `	Fred Jones	(303) 431-7895
1997	Denver	PES Joint Power Generation	Gary Petersen	(303) 329-1506
May, 1997	Denver	MTT	Hussain Haddad	(303) 460-2114
,,			John Dunn	(303) 449-1055
			Claude Weil	(303) 497-5305
August 17-19, 1999	Denver	EMC	Mark Lapchak	(303) 773-4626

Proposed Conferences and Meetings

International Conference on Harmonics in Power Systems (ICHPS) 1996 ESMO 1996 Sections Congress 1996 ITC 2000 ICC 1995-2000

The Institute of Electrical and Electronics Engineers - Denver Section

Executive Board

Chairman Tom Gibbs 11143 W. 17th Ave. #101 Lakewood CO 80215 238-1574

Sr. Vice Chairman

Darrell Sabatka

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5525 E. 38th Ave.
Denver CO 80207
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Treasurer Diana Lindstrom 7377 Arbutus Ct. Arvada CO 80005 422-9374

Past Chairman - H. Paul Meisel, 665-2698 Educational Activities -Professional Activities -

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Standing Committee Chairmen

Society Chapters -Conferences -Awards -Student Fund -Professional/Industrial Liaison -

Nominations -Membership -Pre-College Student Activities -Student Branch Activities -

Executive Committee (Ex-Offico Members) Subsection Chairmen

Black Hills - R.D. McNeil, , Electrical Engineering Dept, South Dakota School of Mines & Technology, Rapid City, SD, 57701, (605) 394-2452 Centennial - Sadrul Ula, Electrical Engineering Dept., University of Wyoming, Laramie WY 82071, (307) 766-6268

Society Chapter Chairmen

Electromagnetic Compatibility -R.E. (Ev) Evans, R.A. Mayes Co., 761-9447
Engineering in Medicine and Biology -Jim Heller, 790-9010
Joint Antenna and Propagation/Microwave Theory & Techniques/Geoscience and Remote Sensing -Zoya B. Popovic, University of Colorado, 429-0374
Joint Vehicular Technology/Communications - Ken Shugg, Martin Marietta Information and Communications Systems, 971-7051

Joint Computer/Information Theory - Bryce Chapman, Storage Tek, 673-4762 Laser and Electro Optics - Alan Mickelson, University of Colorado, 492-7539 Joint Power Engineering/Industry Applications - Kevin Wright, NEI, 431-7895 Magnetics - Dr. Subrata Dey, Storage Tek, 673-6494 Power Engineering - Kenneth McBryde, CO Ute Electric Assoc., 249-4501 Reliability - John Adams, ValleyLab, 530-2300

Senior Past Chairman - Gary Petersen, Public Service Company of Colorado, 571-3626

RockIEEE Overlook Editor - David B. Richmond, United Engineers, 843-2465 P.O. Box 5888, Denver, GO, 80217 Publication Coordinator - Anita Wanberg, AMW, Phone or Fax: 220-8042 P.O. Box 4056, Englewood, CO, 80155-4056

The Institute of Electrical and Electronics Engineers



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The Month at a Glance

January 20, 1993
Denver Section/Metro State Studen
Joint Meeting

January 21, 1993 PES/IAS Meeting

January 28, 1993 Magnetics Society Meeting

February 10, 1993 Centennial Subsection Meeting

> February 14-20 Engineers Week

RockIEEE Overlook Official Publication of the IEEE Denver Section