RockIEEE Overlook



March 1994

Sitting in THE Chair

Darrell Sabatka, Section Chair

This month I want to share some of the activities in a typical section Board meeting. Besides eating pizza and drinking soft drinks, the Board, under the request of the Executive Committee, carries out numerous functions. The first item at the last board meeting was to find a replacement for our secretary, Subrata Dey. Subrata resigned due to increased travel requirements with his Company. Mike Meister resigned his position as Vice Chair Member Services and accepted the position of Secretary. Bill Whipkey was nominated as Vice Chair, Member Services. The Executive Committee has approved both these position changes. I also appointed Fred Jones as Society Chapter Chair. Both Bill Whipkey and Fred Jones are solid leaders and bring valuable experience and energy to the Executive Committee.

Section goals, the Student Paper Contest, and end-of-year reports were action items on the meeting agenda. The board is also putting finishing touches on the Section Services Brochure. The Board meets the 4th Wednesday of the month and guests are always welcome. The meeting starts at six p.m. and usually adjourns at ten. Let Marilyn Peterson (303) 329-1615 know you are attending to ensure space is available.

Did you see the IEEE article in the Rocky

Mountain News during National Engineer's week? The Colorado Engineering Council coordinated responses from professional societies and placed a special supplement in the paper.

Do you know what Industry 2000 is? Industry 2000 is a hands-on workshop to address educational issues associated with technical vitality and develop approaches, initiatives, and partnerships to enhance the value of engineering professionals. The workshop will be held in Denver on May 12th-13th, 1994. Attendance is by invitation only, to obtain a broad cross section of job responsibilities and organizations. Additional information can be obtained by contacting Paul Meisel locally at (303) 673-9930 or Peter Wiesner at (908) 562-5500 (see page 7 for the entry form). If you cannot attend but want to support/donate to this program, please contact one of the individuals above.

Sidetones

Signals from/about the Membership

We regret the passing away of Martin Nesenbergs on January 5th. He was a long time supporter of IEEE activities and served as chair of the local Co. Soc. chapter, Social Chair of ICC'65 and Technical Chair for ICC'69. Martin was a highly respected professional. • Thanks for the nice comments about the poem, "Builders" in the Overlook a few issues ago.

Arvin Michel, PSCO, the speaker at the May 12, 1993 Section meeting recited the poem at the end of his presentation.. Arvin says the author is anonymous. • Carl Stubenrouch reported back that his HP-45 is still working fine. Carl was the person who named the Overlook about 20 years ago and carried off the prize. • The printing and distribution of the Overlook has leveled off at 5200. Growth seems to be in the Golden, Longmont and Fort Collins areas. • Did you know the AIEE Section was started in 1915 and the IRE began in 1949 here in Denver. Then in 1963 the two associations merged into the IEEE. The first ten chairmen for the IEEE Denver Section were Art Spaulding, Fred Venditti, Jim Springer, Bill Utlaut, Ken Pratt, Warren Wheeler, George Gless, Howard Smith, Bob Shuffler and Bill Collins. The current membership thank you for the time and effort placed in getting the Section off to a good start. • The selection of items for "Sidetones" is made

please continue on page 4

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IEEE Member \cdot Get \cdot A \cdot Member Program See Page 7 for details on GIFTS for participating!

Society Chapter Meetings

Joint Vehicular/Communications Societies Chapter Meeting

Date: Tuesday, March 15th, 1994

6:00 pm - Dinner

7:00 pm - Meeting/Program

Location: Super 8 Motel, I25 & Speer Blvd.

Speaker: C. Scott Zumbahlen, Area System Manager

SYNOPTICS Communications, Inc.

"LAN Switching Technologies."

Magnetic Society

Chapter Meeting

Date: March 16, 1994

5:30 - 6:30 PM

Location: National Institute of Standards and Technology

(NIST) 325 Broadway, Boulder, Colorado

Speaker: Dr. N. Cross & Dr. S. Russek

"Submicron Thin Film Sensors

A tour of the NIST facilities will be held immediately after the talk. If you have any questions, please call Dr. Richard Dee at (303) 673-3976 or Ken Franzel at (303) 673-3987

Joint Antenna & Propagation/Microwave Theory & Techniques/Geoscience & Remote Sensing

Chapter Meeting

Date: Thursday, March 17th, 1994

4:00 PM

Location: National Institute of Standards and Technology

(NIST) 325 Broadway, Boulder, Colorado

Room 1103

Speaker: Alan Michelson, Professor, University of Colorado

"Optics and Phased Arrays"

Laser and Electro Optics Society

Chapter Meeting

Date: Thursday, March 17th, 1994

7:30 pm

Location: National Institute of Standards and Technology

(NIST) 325 Broadway, Boulder, Colorado

Speaker: To be announced.

Contact: Bob Feurerstein (303) 492-7077

MARCH 19th, 1994 8:30 AM to 2:30 PM SUPER 8 DOWNTOWN MOTEL 2601 ZUNI DENVER, COLORADO

This seminar is sponsored by the Denver Section of IEEE. The seminar will cover all items which you must do to gain re-entrance into the employment sector, including determination of your capabilities. Networking will be discussed, as well as no cost benefits available to IEEE members.

If you are presently unemployed, this seminar is important to you. **Reservations** must be received by March 11th, 1994. Space is limited. Reservations will not be accepted at the door. Lunch and beverages for breaks will be provided. The cost of the seminar is \$20.00— payable in advance. Please contact Marilyn Peterson (303) 329-1615, 9am-5pm or send the reservation to:

Marilyn Peterson, C/O Public Service Company of Colorado, 5525 E. 38th Avenue, Denver, Colorado 80207



! enclosing a chec	ing the Employment Seminar on ck for \$20.00 made out to the "De	Saturday, March 19th, 1994. I am enver Section of IEEE".
Name:	nice comments about the poem, etc. in the Overlook a lew issu	Oil you see the Egp.E aroug in the Rocky.
Address:	3.5	

The Event Horizon

Nineteen Ninety Four

March

- 9 <u>RMEL</u>, (Rocky Mtn Electric League) Transmission & Substation Committee, Denver CO (303) 733-6727
- 10-11 RMEL, Distribution Committee, Denver Colorado (303) 778-7536
- 14-17 <u>The Twentieth Annual Meter School</u>, Colorado State University, Fort Collins, (303) 491-7501
- 14-17 <u>AM/FM International</u>, (Automated Mapping and Facilities Management), Denver, Colorado. Linda Money, (303) 337-0513
- 16-18 <u>INFOCOM</u>, Denver, Colorado. Maclean Hunter Presentation, Inc. 696-6100
- 28 <u>Transmission Pricing Workshop</u>, (303) 770-8800
- 29-30 <u>Electric Utility Business Environment Conference</u> (303) 770-8800
- 31-1st <u>Integrated Resource Planning Conference</u> (303) 770-8800
- 29-31 <u>3rd International Conference on MCMs</u> (Multi-chip modules) Denver, Colorado. IEPS, (708) 260-1044

April

- 8-10 <u>IEEE Region 5 Conference</u>, Colorado Springs. John Reinhert (719) 598-0310, Steve Rogers (719) 527-2250, or Charles Wright, (303) 233-5553
- 13-15 Rocky Mountain Health & Safety Conference. Denver, Colorado. (303) 373-1937
- 18-22 <u>1994 IEEE International Conference of Requirement Engineering</u>, Colorado Springs. Computer Society, (202) 371-1013
- 24-26 <u>IEEE Rural Electric Power Conference</u> Colorado Springs. Don Werner (402) 636-2585

May

- 1-3 <u>RMEL</u> (Rocky Mtn. Electrical League) Estes Park, Colorado. William Rosol, 778-7536
- 4-5 <u>Rocky Mtn. Technology Expo</u> (ERA/ISA) Denver, Colorado. Dave Hurlbut, (303) 279-7796
- 9-10 <u>UTC Region VIII Annual Meeting</u> Denver, Colorado. George Stoll (303) 571-2677
- 12 <u>Assoc. of Colorado Telecommunications Professionals</u> Information (303) 628-6964
- 12-13 <u>Industry 2000 Workshop</u>. Denver, Colorado. John Meredith, Hewlett Packard (719) 590-1900
- 31-3rd Conference on the Science and Technology of Superconducting Films. Breckenridge, Colorado.

 Call R. McConnell, National Renewable Energy Labs
 (303) 231-1040

June

- 6-8 <u>ION 50th Annual</u> (Inst. of Navigation) Colorado Springs, (703) 683-7101
- 10 4th Annual IEEE Rocky Mtn EMC Symposium NIST Boulder, Colorado. Information and call for papers - Bob German, (303) 444-2472
- 15-17 <u>National Meter Reading Conference</u> Denver, Colorado. Joan Roth (303) 571-3236
- 16-19 <u>NCA Annual Convention.</u> Colorado Springs. Katherine Kirkpatrick, (202) 463-2651
- 20-22 <u>Device Research Conference</u>. University of Colorado, Boulder. Joseph C. Campbell (512) 471-9669
- 27-1st Precision Electromagnetic Measurements
 Boulder, Colorado. Call for papers Gwen E. Bennett
 (303) 497-3295, Information Fred McGehan
 (303) 497-3246

September

- The Association of Colorado Telecommunications Professionals. Information (303) 628-6964
- 28-29 <u>T&D Maintenance Management</u> Colorado Springs, Mark Swan (719) 636-5501

October

- 2-6 <u>IEEE Industry Application Society Annual Meeting</u> Denver, Colorado. Chair: Paul Meisel, MagneTek (303) 673-9930, FAX (303) 673-9936
- 25-27 NRECA 1994 Regional Meeting
 Denver, Colorado. Mary Smallwood (202) 857-9553

Years To Come...

January - 1995

4-7 <u>URSI, National Radio Science</u> Boulder, Colorado. (303) 492-7123

September - 1995

10-14 <u>IEEE Petroleum & Chemical Meeting</u> Denver, Colorado. Chair: John Nelson, Nelson Engineering (303) 431-7895

July - 1996

27-2nd <u>IEEE Power Engineering Summer Meeting.</u>
Denver, Colorado. Chair: Gary Peterson, Public Service
Company of Colorado (303) 329-1506

November - 1996

1-4 <u>Sections Congress.</u>
Denver, Colorado.
Chair: John E. Martin (303) 233-0023

EMPLOYMENT

SEMINAR

Sidetones: continued from page 1

only by the RockIEEE Overlook Editor. The selections represent the views of the Editor which have been shaped by a half century in the work force. They are not the views of the IEEE Denver Section Board, Executive Committee or the membership.

Engineers Seeking Employment Ouality engineers available.

The following IEEE members are seeking employment. If you have a position open or know of one please contact Marilyn Peterson at (303) 329-1615. Please give your name, address, phone number and the special identification code to Marilyn. She will have the member contact you directly.

1992 BSEE Graduate. Strong technical and computer background seeks engineering employment. 6 years experience as field/bench technician and 5 years programming low and high level languages. (A2GO1)

Innovative Engineer. I am a solution oriented, technically current individual experienced in processing control monitoring, process characterization/improvement, continuous improvement, PLC, motor controls. Event driven real time programming background-DOS, OS/2, UNIX and others- Manufacturing R&D in machinery controls instrumentation. (A7G02)

MSEE. Experience with PLCs instrumentation controllers and power electronics. Developed 6805 controller for small machine. Three years supervision experience with large manufacturer. Prefer design or R&D position. Will relocate (A19W01)

Computer Science Ph-D. 30 years experience (14 years aerospace). Designed, implemented, managed and taught commercial application, scientific system and operating system development from single embedded microprocessor to some of the largest distribution supercomputer systems. (A22BOI)

B.A., Mathematics. 20 years experience software development, software management, project and program management. Strategic planning/process innovation. Perform SEI maturity assessments. State Government/Fortune 50 background. (A26B02)

Human Factors. Experience, Product and system development, assurance and manufacturing. Telecommunications; Videotex, Laboratory and field usability testing. Occupational Ergonomics. Enjoy diverse teams; strong presenter. Creative and practical. Take multiple roles. MA plus. (A28K01)

Professional engineer with BSEE and BSBA degrees. Experience Record: 9 years telecommunications, 7 years test, 3 years marketing, 1 year project engineering and a proactive supervisor. (JY24H01)

Masters level professional. I have 7 years Systems Engineering experience and am seeking an opportunity in product develop-

ment or test in Biomedical Electronics, Control Systems or Communication Electronics. Willing to relocate (Au03H02)

BSEE. Problem solving and adaptable individual, seeking opportunities in product development for instrumentation or communications. Strong customer support and technical writing background. (SO4I01)

Software Development Manager. Know 2167A, TQM tools, SEI and ISO 9000. Managed development and system integration/test on variety of hardware, language and DBMS in engineering and scientific application, planning, problem solving. (S04L02)

December BEEE graduate. Have substation control and protection experience. Seeking entry level engineering employment. Extensive computer experience. Vice-Chairman IEEE student chapter. Passed the EIT exam 4-93. (S28SOI)

Communications Application Engineer. Over twenty years in communication applications engineering with extensive project experience in designing, purchasing, and installing Data, Voice, Telemetry, SCADA and Pictorial networks over radio, telephone, cable, fiber and TWPR, microwave and satellite communications with network switching and management facilities. (001WO2)

Hardware/software Engineer. Over 10 plus years in computer hardware software experience as well as instrumentation seeks employment with environmental company. Knowledge of computer PLC based monitoring systems and sensors. (O01S02)

1994 MSCS Graduate, 10 plus years designing software and implementing software solutions. Knowledgeable with artificial intelligence, neural networks, genetic algorithms and data fusion technologies. Seeks R&D opportunity implementing adaptive and learning techniques to analytical challenging problem domains. (F04P01)

BSEE. Experience includes curtailable load contingency planning, motor interlocks, battery backup systems, power line construction, electrical motor testing, plant engineering. Computer experience includes dBase programming, UNIX, VMS, DOS. (F04D01)

1992 BSEE Graduate. Strong technical and computer background engineer, seeks employment. Over 8 years experience as a field/bench technician and 7 years experience with computers, combined. Willing to relocate. (J10M02).

Positions Available

Research Associate

Mobile & Portable Research Group(MPRG), Virginia Tech, K. Atkins, EE Dept.,Blacksburg, VA 24061-0111, (703) 231-4136, TDD/PC l-800-828-1120 or Voice 1-800 828-1140

Continued on top of the next page



ATTENTION Colorado Electrical Engineers, IEEE Members and Consultants:

This is your chance to increase your professional development in the exciting world of Automated Mapping/Facilities Management (AM/FM) and Geographic Information Systems (GIS).

The AM/FM International Conference XVII is coming to the Colorado Convention Center in Denver, March 14-17.

You've been hearing a lot about digitizing records and maps, about facilities management, about integrating Supervisory Control and Data Acquisition and AM/FM systems. No doubt, you've also heard something about relational vs. object-oriented data bases, about new applications for pen-based computing in the utilities industry. How about GPS and field data collection? What about orthophotography and right-of-way mapping?

AM/FM International brings it all together under one roof, right here in Colorado!

Program Highlights Especially for IEEE Professionals

- Nine all-new Pre-Conference Seminars including Project Life Cycle (With complete Seminar On CD-ROM for Take-Home), Data Conversion, Project Management, Business Perspectives, Land Basics, SCADA&AM/FM, Infrastructure Management, TQM/Business Process Reengineering and New Technologies.
- ♦ Birds-Of-A-Feather (Users-Only) Sessions with Bob Cernich, Public Service Company of Colorado; Tom

- Newdome, Alabama Power; Mike Berkley, Arizona Public Service Co. and Tom Garren, Carolina Power & Light.
- System Issues: The latest word on what's hot, and what's not-so-hot. ▼ Intersection of Relational and Object technologies ▼ AM/FM/GIS and the Enterprise - What Does This Really Mean? ▼ Client/Server Approaches for AM/FM/GIS ▼ New Chips & Operating Systems – What Does It All Mean to the AM/FM/GIS User? ▼ A Proposal for the National Spatial Data Infrastructure ▼ Object-Oriented AM/FM/GIS Interface to Engineering Analysis Tools ▼ Field Use of the Corporate AM/FM/GIS Data base (Panel) ▼ AM/FM/GIS at Duke Power: Migration to a New Platform. ▼ and More All New, Up-to-Date Project/Technical Tracks than you can possibly attend alone!!! ▼ So bring a friend, bring two friends. Cover every session and trade notes. ▼ Information so valuable, you can't afford to miss it. How important is your professional development?

Continuing Education Units

AM/FM International will award CEUs to each attendee who satisfactorily completes a seminar program. Upon written request to AM/FM International, an official transcript of an attendee's CEU record will be made available as designated by the attendee.



Here's What They Are Saying About AM/FM Conferences:

"The Conference XVII Committee has developed an interesting and diverse agenda... If you are looking for the highest value for your educational dollar, the 1994 AM/FM International Conference is it."

- Andy Gay, Public Service Company of Colorado.

"We began attending AM/FM Conferences several years before making the decision to initiate a project. The information we gathered assured us this was a direction we should proceed. Preparing a project description was made more practical by knowledge gained through the educational emphasis of AM/FM International. Our project has begun and we realize that keeping up with technology and the personal contacts gained through conference attendance are vital to our project."

- Ken Hughes, Delmarva Power & Light Company.

THE EXHIBITION

AM/FM International is proud to sponsor a major products and services exhibition, open Monday, March 14, 1994 through Wednesday, March 16, 1994. Leading AM/FM/GIS hardware, software, service companies, and consultants will display the industry's state-of-the-art products and services, offer demonstrations, and answer your questions. Come see the AM/FM/GIS industry's newest technology and services, in a comfortable, professional setting designed to maximize interaction and information exchange.

WHO SHOULD ATTEND?

AM/FM/GIS Project Teams, Project Managers and Executives in utilities including Electric, Gas, Telephone, Water, Municipal Government Leaders, Public Works Engineers, Transportation Managers, and everyone involved in Automated Mapping, Facilities Management (AM/FM), Supervisory Control and Data Acquisition (SCADA) and Geographic Information Systems (GIS).



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Fill out this form and Fax to (303) 337-1001 TODAY!

□Yes, □ Please send info	please send me "Re-Engineering The Enterprise" conference information. rmation on AM/FM International membership and association benefits.
Name:	Title:
Company:	
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Phone:	Fax:

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Senior Electrical Engineer

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8 years of experience and strong background in power circuits and power electronics design needed to work as part of a multi-disciplinary team developing a new UPS product for overseas market. Job No. 93-206-PR. Sherry Hill, Exide Electronics, (919) 872-3020

ATTENTION!

Somethings on fire in this column!

The Co-Chair of the Rocky Mountain Technology EXPO (RMTE), Dave Hurlbut, J.F. Hurlbut Company, has made a very generous offer to the IEEE. The chapters and other committees are asked to make use of the seminar/meeting space during the dates of the EXPO (see the *Event Horizon*, pg. 3 for details). This is the largest hi-tech show in our region and is made possible through the efforts of the Electronics Representative Association (ERA) and the Instrument Society of America (ISA). Please make your desires and wishes to use the space provided known to Darrell Sabatka, Diana Lindstrom, Bob Struthers or to the appropriate Chapter Chair. (See the back page for phone numbers.)

Time is getting short for the call for papers, 1994, Spring Conference of Society Technical Communication (STC) Rocky Mountain Chapter. Theme, "Mapping the Information Highway". Suggested topics: broadband networks, economics of building a network infrastructure, researching, consumer friendly interface, and cable and telephone networks for future connectivity. For additional information call Mark Lee (303) 673-2043 or (303) 464-8391 hm.

Community Recycling Assistance Awards were announced by the Governor's Office of Energy Conservation. Government entities, nonprofit and profit making organizations are eligible to receive up to \$50,000 per proposal. Contact Jim Johnson (303) 620-4292. (Ref: Conservation UPDATE, Dec. 1993)

NIST's Manufacturing Extension Partnership has announced its intention to seek proposals for three projects to help states plan, coordinate and implement technology extension activities. A formal notice requesting proposals is expected to be published in the Federal Register sometime in February. Contact, Douglas Deverauz, (301) 975-6466

The Conference on the Science and Technology of Superconduct-

ing Films, May 31-June 3, 1994, Beckenridge, expect a large number of telecommunications engineers from Japan and the United States to attend because of the superconducting electronics papers. (R. McConnell, National Renewable Energy Laboratory, NREL, Golden, Colorado.)

The telephone number for the Rocky Mountain LAN Users Group, Inc., is (303) 771-2000, FAX (303) 843-6232. Their address is: P.O. Box 24931, Denver, CO 80224-0931. A Quarterly eeeting is held in February, May, August and November. Usually meeting times are the second Wednesday or Thursday, 8:30 AM to 4:00 PM, Glendale Community Center, 999 South Clermont, Glendale, Colorado.

Industry 2000 will be a workshop to identify the continuing education needs of industry professionals and to define a process through which IEEE, industry, government and academia can work together to maintain the technical vitality of engineering professionals. If interested, please fill out the participation form on page 7. Attendance at this workshop is limited and by invitation and application only.

Did You Know...

Information on the benefits of your IEEE membership

- What! You aren't a member...Call 1-800-678-IEEE for membership information. Its the RIGHT thing to do.
- The Denver Section will be presenting an employment seminar in March. (See page 2 for details)
- You can save 30% on many books and standards when you are an IEEE member? It only takes 3 4 books and half your membership is payed for!
- The IEEE Financial Advantage offers:
- A no-load mutual fund for members only which offers free exchange privileges into the Vista(sm) family of mutual funds, special savings for IEEE student members, and savings on taxes by opening an IRA with just a \$250 minimum investment. (Call 1-800-GET-IEEE)
- IEEE Insurance Plans (Call 1-800-483-4333)
- Annuity Plans (Call 1-800-829-8763)
- Gold Mastercard and Visa Gold with no annual fee, free additional cards, a low variable interest rate of 12.9%, a 25-day grace period on purchases, personalized creditline checks, and up to \$1 million travel accident coverage! (Call 1-800-772-2221)



Been using the same old coffee mug for so many years that all you have to do is add hot water?

Yes! You need a new coffee mug!

See page 7 to learn how to get a brand new IEEE coffee mug.

March 1994 RockIEEE Overlook



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1 Page Insert (You provide copies)	\$250	\$200

Send Business cards or copy and check to John Tary, 7739 Spring Drive, Boulder, Colorado, 80303-3036. Make Checks payable to IEEE Denver Section. We will invoice if desired.



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Consulting Network Tim Davis

The first meeting of the IEEE Consulting Network was a complete success. Thanks to all those who attended. We are still interested in getting new members. Please call me at (303) 466-1117 if you are interested in joining this dynamic group of engineers who make their living as private practitioners.

PARTICIPATION INFORMATION

INDUSTRY 2000 MAY 12-13, 1994

In order to ensure that individuals participating in Industry 2000 represent a broad cross section of job responsibilities and organizations, attendance at this workshop is limited, and by invitation and application only.

If you or someone in your organization would like to apply for attendance at this workshop, please provide information in the form below and you will be sent an application. Pre-workshop packets must be sent to all attendees, so no on-site registration will be accepted.

Individuals who are unable to attend the workshop but want to receive information regarding the issues being discussed and the conclusions reached may become "corresponding participants." Please fill out the form below to receive a copy of the pre-workshop survey and the post-workshop report. You will also be on the Industry 2000 mailing list regarding future plans and events.

- ☐ I would like to attend Industry 2000. Please send an application.
- ☐ I would like to be a "corresponding participant." Please send more information.

Please type or print:

No. of Employees

City/State

Postal Code/Country

E-Mail

MAIL TO:

Industry 2000 **IEEE Educational Activities Department** 445 Hoes Lane, PO Box 1331 Piscataway, New Jersey 08855-1331 Phone (908) 562-5500 Fax (908) 981-1686

E-mail: p.wiesner@ieee.org or b.coburn@ieee.org

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Membership is part of being a professional.

The Institute of Electrical and Electronics Engineers Denver Section

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Darrell Sabatka Public Service Co. of Colorado 5525 E. 38th Ave., Denver, CO 80207 (303) 329-1547	Diana Lindstrom 7377 Arbutus Ct. Arvada, CO 80005 (303) 988-2951	Robert Struthers Raytheon Engineers & Contstructors. P.O. Box 5888 Denver, CO 80217 (303) 843-2235	Member Services William D. Whipkey	Student Activities Chidambar Ganesh Co. School of Mines Dept. of Elect Eng Golden, CO 80401 (303) 273-3761	Michael Meister NTIA/ITS.N4 325 Broadway Boulder, CO 80303 (303) 497-6571	David Richmond Raytheon Engineers & Contstructors. P.O. Box 5888 Denver, CO 80217 (303) 843-2465
Past Chair - H. Paul Meisel 673-99	30	Membership - Heather S	Silseth, (303) 843-2816, Fax	x 843-2208		

Executive Committee

Society Chapters Bob Struthers, United Engineers, (303) 843-2235
Conferences John Tary, Tary Associates, (303) 499-2164
Awards Gary Petersen, Public Service Company of Colorado, (303) 329-1506
Student Fund Edward Pitchkolan, (303) 740-2632
Professional/Industrial Liaison Tony Thomas, GE Micro Switch Control, Inc., 792-1673
Nominations H. Paul Meisel, Magne Tek Corp. Automation Technologies, 673-9930
Pre-College Student Activities Jeff Wilson, Peterson Company, (303) 388-6322
Student Branch Activities Dan Greco (303) 363-7291

Black Hill Subsection

Chair R. D. McNeil South Dakota School of Mines and Technology (605) 394-2452

Centennial Subsection

Chair Sadrul Ula University of Wyoming (307) 766-6268

RockIEEE Overlook Team

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Chapter	Chair	Vice Chair	Secretary/ Treasurer
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