

# RockIEEE Overlook

**DENVER SECTION** 

**MARCH 1988** 

Joint Denver Section/Society Chapters Meeting

Scheduled for Wednesday, April 13, 1988

This annual event, sponsored by the Denver Section of IEEE and its Society Chapters, will again take place at the Radisson Hotel, 1550 Court Place, Denver. Planned as a dinner meeting. there will be a main, broad topic speech given immdiately following dinner. This is the most popular program presentation which the Denver Section offers.

After the talk, participating Society Chapters will hold their own technical meetgings in a pleasant atmosphere and challenging forum.

Plan to attend this event. We want ALL IEEE members to attend. The Social Hour will begin at 6:00 pm. More details about the meeting and the topics for the chapter sessions will be listed in the April issue of the RockIEEE Overlook.

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

Date:

Tuesday, March 15, 1988

Place:

National Bureau of Standards, 325 Broadway, Boulder, CO, Room 1107

Time:

4:00 pm - 5:00 pm

Speaker: S.A. Hovanessian

The Aerospace Corporation Los Angeles, California

Topic:

"Sensor Systems -- From Microwave to

Electro-optical"

This lecture begins with an overview of sensor systems, and compares microwave, millimeter wave, and electro-optical sensors. A discussion is given about attenuation effects, resolution considerations, direct and heterodyne receivers, stationary target detection. performance evaluation methods,

sensor characterization, and current

applications.

Contact: Hussain Haddad, 460-2114

Joint PES/IAS - Power Engineering Society/ Industry Applications Society

Date:

March 24, 1988

Place:

Brooklyn's

2644 W. Colfax Ave.

(Just South of McNichols Arena)

Time:

6:00 pm Social

7:00 pm Dinner (Optional @ \$15.00)

8:00 pm Program Begins

Speaker: Joe Zuffoletto of AC Systems, Inc. will introduce the program speaker,

> Mr. B.J. Sonnenberg, Manager of Large System Marketing for the Liebert Corp.

Columbus, Ohio.

Topic:

"UPS Systems"

Static UPS systems and how they relate to computer power problems will be discussed as well as the requirements and layout configuration of large UPS

systems and related equipment.

Contact: Barbara, Peterson Company, 388-6322 by

Monday, March 21, 1988.

#### RockIEEE Overlook

CS/ITS - Computer Society/Information Theory Society

Date: Thursday, March 17, 1988

Place: AT&T

I-25 & 120th, Denver, CO

West on 120th to Pecos, South to

second driveway. 7:00 - 9:00 pm

Time: 7:00 - 9:00 pm Speaker: Dr. Vincent Jones

Topic: Dr. Jones will speak on his new book,

MAP/TOP Networking: A Foundation for Computer - Integrated Manufacturing

Contact: Call Sandy Bish at 538-8157, or Rory

Laiho at 924-7534. Reservations

requested.

EMC - Elecromagnetic Compatibility

Date: Tuesday, March 1, 1988

Place: Honeywell Instrument Division 4800 Dry Creek Rd., Littleton

Time: 7:00 pm

Speaker: Mr. Andy Ondrejka

National Bureau of Standards

Topic: "High Fidelity Time Domain E-field

Antenna".

Contact: Wally Moffett, 939-4400.

Note: EMC will also be holding elections for

1988 officers.

Please cancel your reservations if you are unable to attend a meeting. No-shows will be responsible for the cost (if any) of dinners.

# Chairman's Message by Mike Foley

I am pleased to report to you, the Denver Section membership, that the Section is in a sound financial position. The Executive Committee, at it's first meeting for 1988, held on February 3rd, accepted the 1987 financial report which shows that the Section financial position increased by 3.1% in 1987. The General Fund balance is slightly less than the yearly budget of \$17,000. A 1988 budget projecting a modest surplus, based on an expense budget of \$16,000 was approved by the Executive Committee.

The Student Fund and the Awards Fund, both of which are endowments under separate committee control from the General Fund, will again this year provide funding for student activities in the Section and provide for awards which are presented at the May Awards Banquet. Should you ever have any questions or comments regarding the operation of the Section, please contact either myself or any one of the Section Officers.

# Upcoming Events to Remember

 $\underline{\text{CEECON}}$  - March 21-23, See the enclosed registration form. (Insert)

Region 5 Conference - March 22. This will be held in conjunction with CEECON.

Joint Section/Chapters Meeting - April 13 See the announcement on the front page of the Overlook.

### Membership Drive

Region 5 is sponsoring a membership drive in the Denver Section. Awards will be given for sponsoring new members. Pens, coffee mugs and t-shirts are available. Contact Herb Bass, Denver Section Membership Chairman, at 530-7509 for information.

The Denver Section has many dynamic programs and projects underway for 1988. If you want to know more, or would like to participate, call me at 789-0078 and I'll put you in touch with the Committee Chairman who can help you.

#### NOTICE

CS/ITS is currently looking for volunteers specifically for treasurer. Please contact Sandy Bish at 538-8157 if you are interested in that position or in another voluntary position.

#### New Senior Member

Congratulations to the new Senior Member from the Denver Section, R.J. Serafin, of Boulder, Colorado.

Fund, it was formally written into the Denver Section bylaws in September of 198

Hudient Program

Regular Program

Presentary

Breakfast

One of the major problems for the Section Chair is writing this message, especially long before the events are to occur and before more current events have taken place. However, on May , the Denver Section will have an all chapters and awards meeting. The announcement is on page of the RockIEEE Overlook with the date, time and location. Please consider coming. Occuring in April, is the Region 5 meeting for the planning and sharing of ideas with other Sections in the regions. This years meeting will be held in Kansas City. There will be plenty of opportunity for obtaining solutions to problens and for probleng assistance to other sections from our own experiences. The meeting is a good way for the incoming incoming Section officers to get valuable training on managing the section activities. This year, the Denver Section will be represented be three of board officers. There will also be a student paper presentations at this meeting and we hope that some students from on of our local universities win the contest.

In February, the Denver Section completed the 1995 year end financial report. I am pleased to report that the Denver Section is in sound financial condition. The Audit committee reports for fiscal 1995, the year end assets are \_\_\_\_\_in the general fund, in the awards account and in the stutent fund. The Student Fund was established in the 1970's by the executive Committe of the IEEE Denver Section. The original source of funds for the Student Fund was from excess money earned by conferences sponored by the Section. The Section has from time to time added to the monies designated as the Fund. In order to provide for the continuous existence of the Fund, it was formally written into the Denver Section bylaws in September of 1981.

## ADVANCE REGISTRATION FORM 1988 IEEE REGION 5 CONFERENCE

Colorado Springs, Colorado March 21-23, 1988

REGISTRATION INFORMATION (please type or print)	FEE SCHEDULE	Member	Non- Member	Student Member	Life Member
Lost First M.I.	☐ Advance Full Registration (1) ☐ At Conf Full Registration (1) ☐ Advance Single Day Attendance (2) ☐ At Conf. Single Day Attendance (2)	\$130 00 150 00 45 00 55 00	150.00 170.00 55.00 65.00	95 00 100 00 5 00 5 00	95 00 100 00 5 00 5.00
ge to Reod	□ Indicate Day: MonTuesWed □ Monday Luncheon □ Tuesday Eve Social/Banquet □ Wednesday Luncheon □ Copy of Proceedings	17 50 35 00 17 50 36.00	17.50 35.00 17.50 48.00	17 50 35 00 17 50 36 00	17.50 35.00 17.50 36.00
State Zip	(1) Includes Mon./Wed. Lunches, Tues. Eve.		Amoun	t Enclosed	s

(1) Includes Mon./Wed. Lunches, Tues. Eve. Social/Banquet, Proceedings, Exhibits/Seminar

(2) Includes Technical Sessions, Exhibits/

Complimentary Presenters Breakfast Monday Tuesday

dvance registration must be received by March 8, 1988 ne additional \$20.00 registration fee for non-members may be applied toward IEEE included with conference registration. Applications are available upon request Make checks payable to: 1988 IEEE Region 5 Conference Please complete all applicable sections and return with ren

Colorado Springs, Co ATTENTION CONFERENCE REGISTRATION

written notification of cancellation is received by March 11.

# PROGRAM AT A GLANCE

TIME	MONDAY MARCH 21				TUESDAY MARCH 22				WEDNESDAY MARCH 23 Presenters Breakfast				7: 00		
7: 00	Student Program  S. Presenters Breakfast  Breakfast														
8:00	C Region	Keynote Address		- c		Region	Monagement Suminar		R		Sterage Management Seminar		8:00		
9:00	E Student			O N	OG				E X Ho	10 10 17	19	9:00			
10:00	R Paper E Contest	William.	×s	P	s	EREN	E	Conf.	P9 5	PS 6	FS ET RR	I P BE I N	PS 9	PS 10	10: 00
11: 00	E PC	88	1	2		NCE	E X H I		9	5 0	EA	S			11: 00
12: 00	General Session Luncheon				R	BIT	On Your Own			EON		Awa	12:00		
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2:00	R Student Chair & Couttonion Wartship	PS 3			on	T E Region  A N Region  5 Meeting		Pagion	PS F	B PS		PS	PS 12	3	2:00
3: 00	i							5 Meeting			ER EQÔSP		MENT CON		3: 00
4:00	S.P.A.C.			a 9/3	Tes un	O N	100	2 540	-	6		Contr	S	n teatro	4: 00
5:00	S.P.A.C Social	4	50	da 197	E X HO I P	3		Break			10 14-1 4-11				5:00
6:00	OO S.P.A.C. Banquet & Paper Contest			BEIN		Social/Attitude Adjustment  Banquet			3.			6:00			
7:00												7:00			
8: 00						7/4		4							8: 00

Denver Section Members Awarded Fellow Grade

The Board of Directors has named 200 new IEEE Fellows for contributions to electrical and electronics engineering. A select group. the number any year must not exceed 0.1 percent of the total membership. While 216 Members could have been names, only 200 qualified.

The following Members were named from the Denver Section.

Walter S. Ciciora, American Television & Communications Corp., Englewood, Colo., for contributions in the development of standards for the consumer electronics and cable industry.

Kuldip C. Gupta, Department of Electrical and Computer Engineering, University of Colo. in Boulder, for contributions to microstrip circuits and antennas.

Motohisa Kanda, National Bureau of Standards, Electromagnetic Fields Division, Boulder, Colo., for contributions to the theory and numerical analysis of electromagnetic field probes used for compatibility measurements and field strength standards.

Lawrence L. Kazmerski, Solar Energy Research Institute, Golden, Colo., for contributions to photovoltaic-device technology and to electronic materials and device characterization.

"IDEAS '88 -- DIRECTIONS FOR THE FUTURE" the 10th Annual Conference for Inventors & Entrepreneurs

March 18-19, 1988 Sheraton Lakewood Hotel, Lakewood (Denver), CO

Sponsor: Rocky Mtn. Inventors Congress (RMIC) Registration: Member - \$120 - \$140 - \$140 - \$160 Non-Member Registration & 1-year Membership - \$155 - \$175

For information write: "Ideas '88", Rocky Inventors Congress, P.O. Box 4365, Denver, CO 80204, or call Don Margolis at (303) 443-3818.

# RockIEEE Overlook Advertising Rates

Business Card - \$ 25 one time/ \$ 20 ea 1/2 yr. - \$150 one time/ \$130 ea 1/2 yr. 1/4 page 1/2 page - \$250 one time/ \$225 ea 1/2 yr. Full page - \$400 one time/ \$360 ea 1/2 yr.

University of Colorado at Boulder Post Doctoral Position Optoelectronic Materials

A post-doctoral research position is available in the Materials and Devices Program of the Center for Optoelectronic Computing Systems. The work consists of plasma assisted CVD of advanced materials for novel devices intended for use as optical and optoelectronic computing elements. The applicant is expected to have completed the PhD in Physics, Electrical Engineering, or Materials Science. The candidate should submit a resume, transcripts, and names. addresses, and current phone numbers of three references to:

Professor Jacques Pankove Center for Optoelectronic Computing Systems Dept. of Electrical and Computer Engineering Campus Box 425 University of Colorado Boulder, Colorado 80309-0425

The University of Colorado is an equal opportunity educator and employer and encourages applications from women and ethnic minorities.

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SECRETARY John R. Reesy Public Service of CO 2420 W. 26th Ave. Suite D Denver, CO 80211 480-6940

TREASURER Henry Rackley Ball Aerospace 2864 S. Joplin Aurora, CO 80013 690-1600

SOCIETY CHAPTER CHAIRMEN

Engineering in Medicine and Biology - Darrell Jones, University of Colorado Health Sciences Center, 394-8552

Aerospace and Electronics - Henry Rackley, Ball Aerospace. 690-1600

Reliability - Dale Butler, Martin Marietta Aerospace, 977-9054

Electro-magnetic Compatibility - Andy Anderson, Martin Marietta Aerospace, 971-6422 Power Engineering - Kenneth McBryde, Colorado Ute Electric Association, 1-249-4501

Joint Antenna and Propagation/Microwave Theory and Techniques/Geoscience and Remote Sensing - Hussain Haddad, Ball Aerospace Systems Division, 460-2114

Joint Communications/Vehicular Technology - John Hardzinski, Martin Marietta Information and Communications Systems, 977-2972

Joint Computer/Information Theory - Sandy Blsh, AT&T Information Systems, 538-4717

Joint Electro-magnetic Compatibility/Instrumentation Measurement - Richard Groves, Colorado School of Mines, 273-3677

Joint Power Engineering/Industry Applications - Jeff Selman, Tri-State Generation and Transmissions, 452-6111

Start-up Chapter, Laser & Electro Optics Society - Arun K. Majumdar, University of Colorado Denver, 556-2554

SUBSECTION CHAIRMEN

Black Hills - (Acting Chairman) Dr. Larry Simonson, Electrical Engineering Dept. South Dakota School of Mines & Technology, Rapid City, SD 57701, (605) 394-2459 Centennial - Louis Thomas "Tom" Mills, Hewlett-Packard Co., Fort Collins, CO 80525, 1-229-3737

**COMMITTEE CHAIRMEN** 

Society Chapters - H. Paul Meisel, Microsemi Corporation Colorado, 469-2161

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Awards - Michael E. Niehoff, Public Service Company of Colorado, 480-6955

Nominations - William B. Whipkey, 427-2411 Student Fund - Dan Michaels, 939-5139

Membership - Herb Bass, 530-7509

Educational Activities - Pankaj K. Sen. EE & CS Dept., University of Colorado Denver, 556-2872 or 556-2852

Pre-College Student Activities - Dan Michaels, 939-5139

**PAST CHAIRMAN** 

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#### **DENVER SECTION**



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### THE MONTH AT A GLANCE

February 27 Executive Board Meeting

> March 1 EMC Meeting

March 15 APS/MTTS/GRS Meeting

> March 17 CS/ITS Meeting

March 21-23 CEECON, Region 5 Conference

> March 24 PES/IAS Meeting

#### TIME DATED MATERIAL