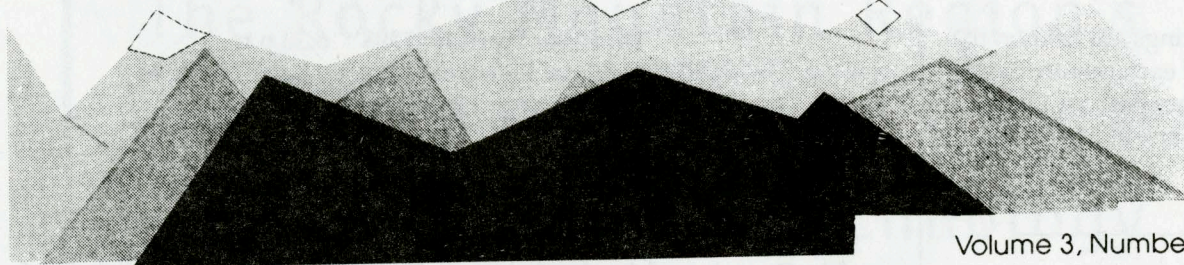
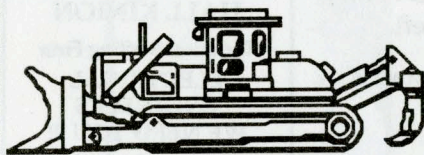


RockIEEE Overlook



Volume 3, Number 7 April 1998

Visit the IEEE Denver Section Home Page at www.engr.du.edu/ieee/densec.html



We are working on a new Denver Section Website!! We hope to get it up and running by September. If you would like to be notified each time it has been updated, please send your email address to IEEE headquarters.

Meetings

Electromagnetic Compatibility 1998 Meeting Schedule

April 21, 1998

7:00 p.m.

Hewlett-Packard, Ft. Collins
Meeting/Lecture/
Tour of 10m chamber

Speaker

Dr. Jose Perini

*"Radiated and Injection Test: When
Are They Equivalent?"*

Call Joe Kramer @ (303) 402-5272
for details.

June 16, 1998 7:00 p.m.

NIST, Boulder

Speaker

Donald Bush

*"A Historical Summary of EMC
Measurements"*

Joint Antenna & Propagation/Microwave Theory & Technology, Geoscience & Remote Sensing

Thursday, April 2, 1998

4:00 - 5:00 p.m.

NIST, Room 1105

325 Broadway, Boulder, CO

Speaker

Professor Carl E. Patton
Department of Physics,
Colorado State University

*"Precessing Magnets, Microwave
Resonance in Magnetic Systems and
Switching Connections"*

Processing magnetic moments are the basis of most microwave ferrite devices as well as the read-write actions which make magnetic memory work. How these moments precess and how they switch involve some simple and some complicated concepts. These concepts will be presented in an intuitive, understandable (hopefully), and perhaps controversial way.

Contact Richard Geyer at 497-5852
if you have any questions.

Joint Power Engineering, Industry Applications

Thursday, April 16, 1998

6:00 p.m.

Coors Brewery

Coors Engineering Center, Room 105

Speaker

Craig Befus
Cooper Power Systems

"Residential Surge Protection"

Thursday, May 21, 1998

5:30 p.m.

Brooklyn's

2644 W. Colfax

Speaker

John Horak
Basler

*"Load-Shedding & Power Plant
Stability Using Frequency Relaying"*

A tour of the RTD Light Rail
Facilities follows John Horak's talk.

Please call Barbara Linton at
Peterson Company for reservations,
(303) 388-6322.

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Meetings Continued

PES/IAS

PES/IAS meetings are held on the third Thursday of each month, Sept. - May. Please contact Barbara Linton at Peterson Company at 388-6322 to reserve space.

Lasers & Electro-Optics

LEOS Meetings are generally held on the third Thursday of the month at NIST, 325 Broadway, Boulder, CO. Refreshments are served at 7:00 p.m., with the speaker starting at 7:30 p.m.

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Reliability Society

Thursday, April 16, 1998 6:30 p.m.
NREL (National Renewable Energy Labs), Golden
Pizza and Soda provided.

Speaker

Kirk Gray, Chairman, IEEE Reliability Society
Charter member of IEEE/CPMT Committee on AST

"An Overview of Accelerated Stress Testing (AST): The New School of Reliability in Electronic Systems"

Meeting will be at the Visitors Center. Off I-70 take Exit 263, Denver West Blvd. to Denver West Pkwy. Take a left and the Visitor's Center is on the left.

For more information or a map please contact Kirk Gray @ (303) 666-7692.

Application of Kalman Filtering to GPS, INS, & Navigation

June 15-19, 1998

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TECHCON'98

The IEEE Fort Worth Section, Texas, will host a technical symposium on April 17, at the Worthington Hotel in downtown Fort Worth. The symposium will feature over 30 speakers, and 5 distinct technical tracks - Telecommunications, Microelectronics, Software, Power Engineering, and Systems Engineering. For a member rate of \$175, you can receive a full day of training on some of the industry's hottest topics, including:

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Data Mining
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Nanotechnology
Distributed Processing
Microelectromechanical Systems
Utility Industry Deregulation

... and many more. This one day conference also features a keynote address, robots, and exhibits.

For more information and registration form, please check out the conference website:

<http://www.ieee.org/conference/techcon/>

IEEE EAB and IEEE-USA Urge New Direction in Engineering Education

PISCATAWAY, N.J., Dec. 31, 1997 - The Educational Activities Board of the Institute of Electrical and Electronics Engineers, Inc. (IEEE EAB) and IEEE-USA have released an Entity Position Statement, "Engineering Education in the United States."

The statement advocates new guidelines for engineering education from the employer-needs perspective and calls for the faculty to instill in their students the discipline of continuous learning. "the IEEE Educational Activities Board and IEEE-USA believe that the suggestions made in this statement will help engineers remain professionally vital throughout the course of their careers," said Jerry Yeargan, 1997 vice president of IEEE Educational Activities. "the U.S. system for the education and training of engineers, technologists, and technicians should help students develop broad backgrounds and the capabilities to respond to rapid technology changes in a global environment," added to the 1997 IEEE-USA Chair, Daniel R. Benigni.

IEEE EAB and IEEE-USA advise that in addition to teaching the basics of engineering and associated technologies, engineering faculties address the following:

- Practice- and design-oriented undergraduate engineering programs that, in addition to teaching engineering skills, have a central focus on teamwork, communication skills, and the principles of engineering design. Cooperative internship programs between industry, government, and other universities are encouraged. "These types of programs provide the students with the opportunity to work in various disciplines of engineering," stated Yeargan.

- Practice-oriented graduate programs focused on a variety of technological specialties in engineering.

- The knowledge base and ability required to support lifelong learning. "Engaging in the profession of engineering now requires that engineers continually strengthen and refresh their talents to remain creative and innovative," commented Benigni.

Furthermore, the statement discusses the need for career paths that offer engineering graduates relevant, attractive, and connected career choices. Undergraduate programs should provide students with the opportunity to establish a career plan and enhance their understanding of the multiplicity of organizational cultures where engineering practices are involved.

According to the statement, graduate-level engineering programs should also offer teaching practicums for those candidates interested in teaching positions. On the undergraduate level, the curricula should focus on the academic sector.

"The enormous breadth of engineering activities affects the society at large," concluded Yeargan. "It is important that engineering education encompasses all the activities that help engineers make suitable decisions."

For more information about the entity statement, please contact Tatiana Garnys of IEEE Educational Activities at (732) 562-6526 or t.garnys@ieee.org.

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