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IEEE/EMC/SCV CHAPTER

Meeting Tuesday December 9, 2003

LOCATION: Applied Materials Bowers Café 3090 Bowers, Santa Clara, CA 95051-0804

5:30 p.m. Social

7:00 p.m. Discussions









WWW.SCVemc.org Santa Clara Valley Chapter of IEEE Electromagnetic Compatibility Society

December 2003 Issue

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SCV IEEE/EMC Society Meeting

Joint meeting with SCV Product Safety Chapter (PSES)

Tuesday December 9, 2003

Time: 5:30 p.m. Social, 7:00 p.m. Presentation

Place: Applied Materials Bowers Cafe

3090 Bowers, Santa Clara, CA 95051-0804

Subject: "Down Memory Lane; 30 Years of EMI Field Testing"

Speaker: William H. "Bill" Parker, PE, NCE, PARKER EMC ENGINEERING

Abstract:

Mr. Parker will present an overview of his EMI field testing experiences, which will include military, commercial, medical, and aerospace test samples, for both emissions and susceptibility, from 1973 to the present. Test locations were in California, Nevada, Arizona, Washington, Montana, Idaho, Alaska, and Louisiana. He will discuss common field testing problems, solutions, and "significant unplanned occurrences." Test samples included engine-generators, motor-generators, uninterrupted power systems, medical diagnostic equipment, airplanes, the space shuttle Challenger, and a Navy submarine. Test sites included military bases, remote radar sites, hospitals, broadcast studios, and airports. Site conditions ranged from hot to frigid, dusty and dry to heavy downpours, and included several blizzards. Travel modes included company van, rental cars, commercial airlines, bush planes, and private airplane. Mr. Parker will end with a discussion of significant lessons learned.

Biography:

 $\nabla \times \overrightarrow{E} = -\frac{\partial \overrightarrow{B}}{\partial t}$ $\nabla \times \overrightarrow{H} = \frac{\partial \overrightarrow{D}}{\partial t} + \overrightarrow{J}$

$$\nabla \bullet \mathbf{D} = \mathbf{b}$$

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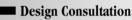
Bill Parker has owned and operated Parker EMC Engineering since he founded it in 1989. He served in the U.S. Army from 1965 - 1969, and graduated from North Carolina State University in 1973. He began work as an EMC engineer at Genisco Technology Corporation that same year, under the tutelage of Steve Jensen. At Genisco, Bill had varied assignments, including powerline filter design, EMI lab testing, EMI lab supervision, EMI field-testing, EMC consulting, and departmental management. In 1988, he was promoted to Director of Engineering at Genisco. In 1989, he resigned to start his current EMC consulting business. Bill has also taught EMC seminars since 1982, and has provided consulting, testing, or teaching services throughout the USA, and in eight foreign countries. He is a Registered Professional Electrical Engineer in California, a NARTE Certified EMC engineer, a Senior Member of the IEEE, and a Past Vice President, Board Member, and Distinguished Lecturer of the IEEE EMC Society.

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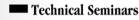
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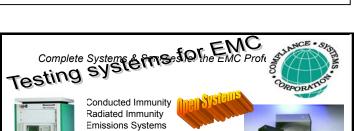
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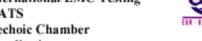
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The Product Safety Technical Committee, a working group of TC-8 within the Electromagnetic Compatibility Society has been reorganized into the Product Safety Engineering Society, PSES.

The December meeting is traditionally a joint social meeting with the local TC-8 chapter, now the PSES. This meeting will have a festive ambiance, lots of networking, comradery, ample food, and plenty to drink (Drink donations accepted). Come and enjoy this joint chapter meeting.

November Meeting ReportDale Gutierrez Elected Secretary of the SCV EMC Chapter

The results were very close, and all those that ran should be congratulated for volunteering and for their past service and continuing support. Dale will begin his four-year term on January first. The other officers will move up one position, as our Chairman Chuck Troia will complete his term in December.

There were 160 attendees (a new record) to hear Dr. Todd Hubing give an outstanding technical program. The EMC Board of Directors, who were our guests, was pleased that the new Safety Society joined us for networking, dinner and great technical discussions.

This space is available to any of the paid sponsors of the SCV EMC Chapter to present technical articles.

For details and to submit your article, contact: Tom at t.w.winegar@ieee.org

Map:

Applied Materials Bowers Café 3090 Bowers, Santa Clara, CA 95051-0804

