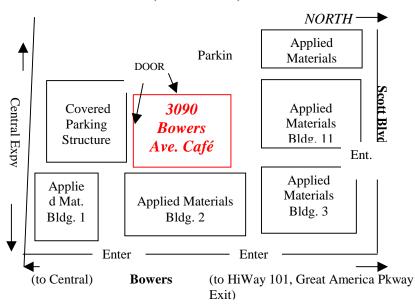
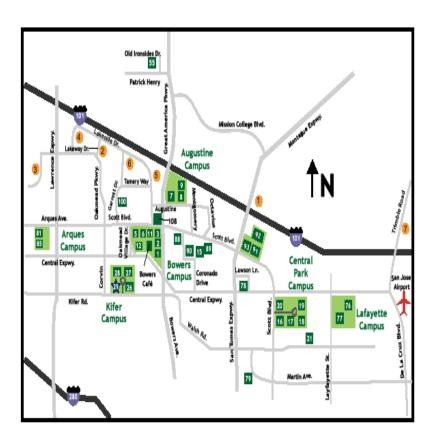
IEEE/EMC/SCV CHAPTER

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







Dated Material - Meeting Notice Address Service Requested IEEE SCV EMC Society C/O Tom Winegar 11741 Regnart Canyon Dr. Cupertino, CA 95014

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March 2003 Issue

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SCV IEEE/EMC Society Meeting Tuesday, March 11, 2003

Society Chapter: IEEE EMC Society

Subject: "Microwave and Millimeter Wave Regulation and

Measurement Techniques"

Speaker: Chuck Oleson, Oleson Microwave Labs

Time: 5:30 Social, 7:00 Presentation

Place: Applied Materials Bowers Cafe, 3090 Bowers, Santa Clara, CA 95051-0804 (Please check the IEEE web site (http://www.scvemc.org/) for directions.) RSVP is not required.

Abstract:

Manufacturers producing transmitting devices operating above 30 GHz must meet FCC dictated levels for the suppression of radiated spurious and harmonic emissions. Of specific interest are the suppression criteria encompassing the frequency range of 110 to 230 GHz. Ignoring the illogic of having regulations requiring measurement at frequencies where no reference standards exists, some data must be produced to secure the "certification" necessary to bring the product to market. Measurement techniques, that have been successfully used to obtain certification, are available and can be employed with reasonable effort and expense. Techniques for addressing the ISO requirement of testing the test system at these frequencies have also been developed. When approaching these measurement tasks some mental adjustment is required on the engineer's part. These techniques and mental adjustments are discussed. The impact of recent advances in millimeter wave measurement technology will also be explored.

Bio:

Chuck Oleson is the owner of Oleson Microwave Labs, Morgan Hill, CA., a manufacturer of millimeter wave test equipment covering 18 to 325 GHz. He has been involved in millimeter wave technology for more than 19 years and in RF and microwave technology for 36 years. He has been previously employed for 11 years by Varian Associates in positions including sales and marketing management and engineering management. He has authored numerous papers covering microwave and millimeter wave technologies. He is a member of the IEEE and a graduate of Cal Poly State University, San Luis Obispo, CA.

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