

# THE LOG PERIODIC

www.scvemc.org Santa Clara Valley Chapter of IEEE Electromagnetic Compatibility Society

## IEEE/EMC Society Meeting: Tuesday, March 10, 2009

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**Time:** Social 5:30 p.m. Presentation 6:30 p.m.

**Place:** Applied Materials Bowers Cafeteria  
3090 Bowers Ave., Santa Clara, CA 95051-0804

**Subject:** Fast Spectrum Analysis Using Signal Surveillance Techniques and Time Domain Processing

**Speaker:** Jim Blattner, Agilent Technologies

### Abstract:

Surveillance technology has been around for many years. Using these techniques, measurement throughput can be dramatically increased for EMI and EMC measurements. Agilent Technologies has used this technique for EMI measurements on Boeing Aircraft, reducing testing cycles from weeks to days. This presentation will discuss the theory of operation of these systems and show a demonstration of how they might be used in an EMC application.

### Speaker Bio:

Jim Blattner has been a design and application engineer at HP/Agilent Technologies for 29 years. He holds a BSEE from Iowa State and a MSEE from Purdue University, and has been involved for many years with the IEEE. He has also served as an EE mentor with Washington State University.

### Announcement:



On Sunday, February 22 at 2:42 PM, Andy Nalbandian passed away at Stanford Hospital after fighting a tough battle with cancer. Professionally, his career with Lockheed Martin spanned 42 years, ending with his retirement earlier this month. Andy supported numerous programs during his tenure at LM and mentored several new engineers that now are subject matter experts in the field of Electromagnetic Environmental Effects. Andy was Chairman of the International EMC Symposium in Santa Clara in 1982, and was also awarded the Certificate of Acknowledgement from the EMC Society. Andy will be remembered by his family, friends, colleagues and co-workers as generous and caring person who was always a pleasure to be with.

$$\nabla \times \vec{E} = - \frac{\partial \vec{B}}{\partial t}$$

$$\nabla \times \vec{H} = \frac{\partial \vec{D}}{\partial t} + \vec{J}$$

$$\nabla \cdot \vec{D} = \rho$$

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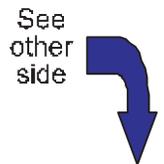
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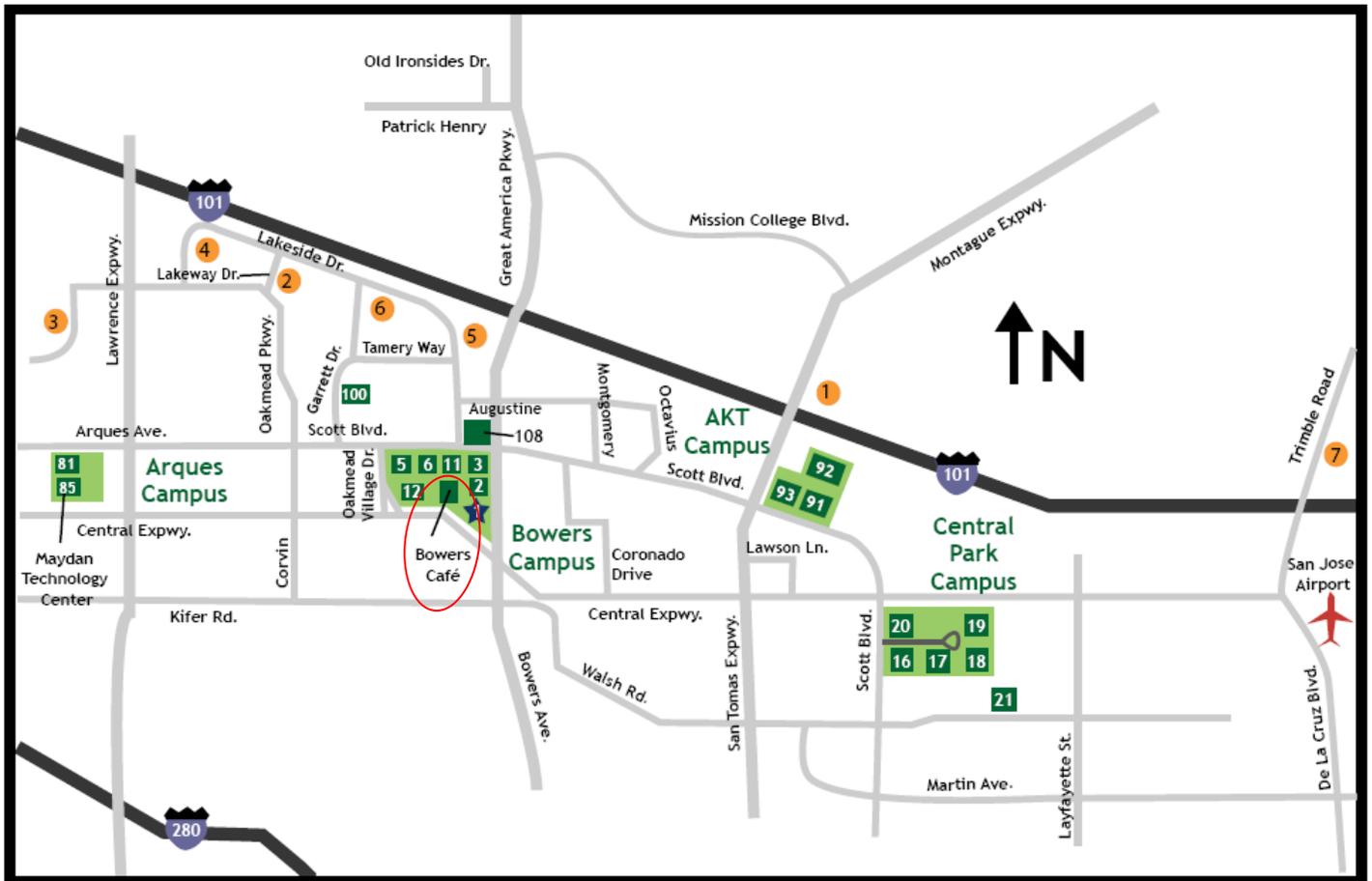
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