

THE LOG PERIODIC

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

IEEE/EMC Society Meeting: Tuesday, January 12, 2010

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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: Ultra-Thin Embedded Capacitance Laminates, How They Improve the PDN, and How They Can Impact EMC

Speaker: Bob Carter, Oak-Mitsui, Inc.

Abstract:

Agenda:

- Typical/ Traditional PDN
- The PDN using embedded capacitance
- Some Causes of Resonance and EMC in PCB's
- Ultra-Thin Laminates for Embedded Capacitance and the reducing impact on EMC
- Some practical results / case studies
- What's Next

Speaker Bio:



Bob Carter obtained a BS Degree in Chemical & Materials Engineering and Business Management at California Polytechnic University, Pomona, California and Grand Canyon University, Phoenix, Arizona. He has over 27 years professional experience in the printed circuit, advanced electronic materials, and chip packaging industries. He spent extensive time supporting engineering, marketing, and sales, worldwide. He initiated the start-up of 2 PCB factories in Shenzhen and Suzhou, China. He led design, engineering, development, and applications organizations at companies such as Xerox, Toppan, Multi-Fineline Electronix (M-Flex), Rogers Corporation, Flex2Chip Inc. (Tessera), Matsushita/ Panasonic Electronic Materials, and Oak-Mitsui Technologies. Currently Bob is a Senior Technology Executive supporting Oak-Mitsui and FaradFlex Embedded Capacitance materials. He is actively involved in technology leadership committees in the IPC, IEC, and IEEE.

Food & Refreshments:

Light Dinner and beverages will be served for a fee. Coffee, tea, and snacks are served free of charge.

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

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

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

$$\nabla \cdot \vec{B} = 0$$



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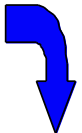
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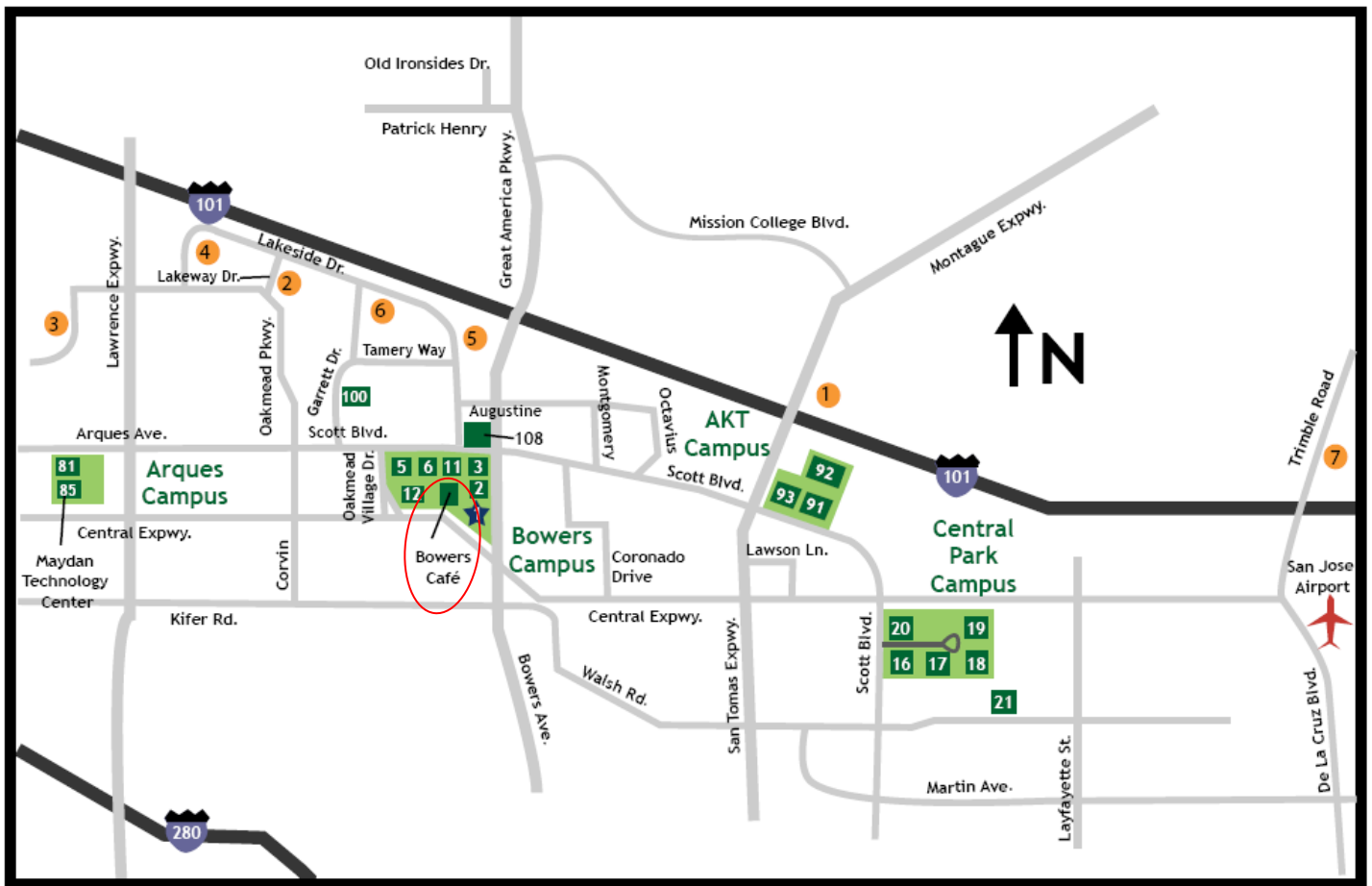
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Map: Applied Materials Bowers Café, 3090 Bowers Ave., Santa Clara, CA 95051



- ★ Applied Materials Training Center
- Applied Materials Location
- Hotel Location