THE LOG PERIODIC

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

IEEE SCV EMC Society Meeting: Tuesday, February 14, 2012

Officers:

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

Chairman: Caroline Chan

Place: Applied Materials Bowers Cafeteria

408-742-8050 Caroline.Chan@Imco.com

3090 Bowers Ave., Santa Clara, CA 95051-0804

Vice Chair: Eriko Yamato

Subject: How Bad is Bad? Cavity Signal Injection and Mitigation

Eriko Yamato <u>eriko@tech-dream.com</u>

Speaker: Steve Weir, CTO IPBlox, LLC

Treasurer:
Robert Pham
robert.t.pham@lmco.com

Abstract: An ideal signal return path is contiguous. Often insuring a completely

Secretary: Len Goldschmidt 408-902-8252 lgoldsch@cisco.com contiguous return path can impose routing headaches, and/or force costly additional layers. This talk will show measured effects of signal injection, and the effectiveness of mitigation strategies.

Committees:

Intended Audience:

Activities: Hans Mellberg 408-507-9694 hans.mellberg@ieee.org Novice and experienced wireless device design engineers and test technicians will appreciate this general, tutorial type presentation full of practical information and technical details.

Institutions: Eriko Yamato eriko@tech-dream.com

Membership:

Richard Gencev CSSEMC Steve Weir, CTO of IPBlox, LLC, is an independent consultant with over 20 years industry experience and a broad range of expertise. Steve holds numerous patents, has authored more than a dozen papers on power integrity, and contributes regularly to the SI-List signal integrity reflector.

Nominating:

Len Goldschmidt 408-902-8252 lgoldsch@cisco.com

Webmaster:

Hebberly Ahatlan 408-262-4400

Refreshments:

Speaker Bio:

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

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

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

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

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



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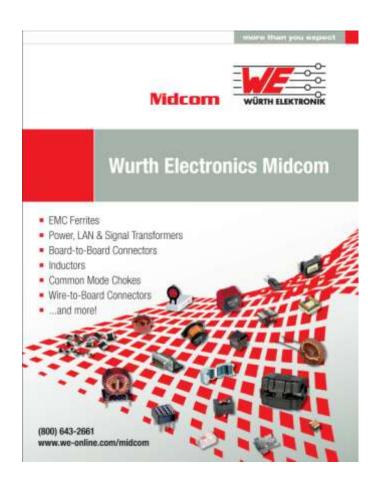
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