

THE LOG PERIODIC

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

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

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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: How Bad is Bad? Cavity Signal Injection and Mitigation

Speaker: Steve Weir, CTO IPBlox, LLC

Abstract:

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

Intended Audience:

Novice and experienced wireless device design engineers and test technicians will appreciate this general, tutorial type presentation full of practical information and technical details.

Speaker Bio:



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.

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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