

Dated Material - Meeting Notice
IEEE SCV EMC Society
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January 2005 Issue

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IEEE/EMC Society Meeting

Tuesday January 11, 2005

Time: Social 5:30 p.m. Presentation 7:00 p.m.

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

Subject: "Does position matter? Locating bypass capacitors for effective power distribution and EMC control."

Speaker: Steve Weir, Consultant, Teraspeed Consulting Group

Abstract:

Bypass capacitors in digital systems provide power system stability, and often a signal return path for transmission lines referenced against voltage rails. We present analysis and test results that show when and how bypass capacitor position affects bypass network performance.

About Steve Weir:

Steve is an independent consultant with over 20 years plus industry experience with a broad range of expertise. Steve holds 17 US patents, and is a consultant with Teraspeed and to X2Y Attenuators. Steve has architected a number of TDM and packet based switching products, consults on patents and is a frequent contributor to the SI-list signal integrity reflector.

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IEEE/EMC/SCV CHAPTER

Meeting Tuesday January 11, 2005

LOCATION: Applied Materials Bowers Café
3090 Bowers Ave., Santa Clara, CA 95051-0804
5:30 PM Social, 7:00 PM Presentation



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

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

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

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