



MICROWAVE THEORY AND TECHNIQUES SOCIETY BUENA VENTURA SECTION



You are invited

Date/ Time: Wednesday February 16th, 2011
6:30 PM Pizza & networking
7:00 PM Presentation

Location: Ciao Wireless
4000 via Pescador
Camarillo, CA 93012

Speaker: Mr. Bob Schwanke
Senior Applications Engineer
Inphi Corporation

Title: Challenges with Broadband
Analog Component Design



High-Speed
Analog Solutions

Advanced Analog Circuit Design

GHz Process and Package Processing



Abstract: Broadband analog semiconductor components provide critical interface connections for networking, communication, and computing systems. This talk will describe the challenges of broadband analog component design including semiconductor process selection and package development. Additionally, state-of-the-art broadband analog components will be showcased and their application to RF front-ends, optical communications systems, and test and measurement equipment will be discussed.

Inphi is recognized for its advanced analog circuit design, signal integrity, power management, packaging and process technologies. Drawing on these core competencies, Inphi has developed a diverse portfolio of high-speed analog semiconductor solutions that address multiple markets. Inphi's extensive product portfolio includes:

- Low power, high speed devices for lower-cost and lower-power RF front ends and next-generation test equipment
- Transimpedance amplifiers (TIAs) and modulator drivers for 40G/100G networks
- PLLs and registers for memory systems

Bob Schwanke is a Senior Applications Engineer for Inphi's Networking, Communications, and Multi-Market business line. Bob has designed and characterized several boards utilizing Inphi's broadband analog components, as well as assisting in the design of many customers' sub-systems. Bob can be reached at bschwanke@inphi-corp.com.



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Directions to Ciao Wireless:
4000 Via Pescador Camarillo Ca. Phone: 805-389-3224

We meet in the cafeteria on the left side of
the building adjacent to the tennis court.

From LA and South

Take the I-405N.

**Take the US-101/VENTURA FWY
North**

Exit FLYNN RD and go straight.

**Turn RIGHT onto VIA PESCADOR.
(2nd Road on RIGHT)**

From Santa Barbara and North:

**Take the US-101S/VENTURA FWY
towards LOS ANGELES.**

**Take the DAWSON DRIVE exit and
turn RIGHT from the ramp.**

**Turn RIGHT at the light onto
DAWSON DRIVE.**

**Turn LEFT at the light onto FLYNN
ROAD.**

**Turn RIGHT onto VIA PESCADOR.
(2nd Road on RIGHT)**

