

**IMPORTANT:** Due to intermittent problems with the online paper submission system, please also email your paper to [ccsevents@comcast.net](mailto:ccsevents@comcast.net).

**Paper submission deadline extended to March 26<sup>th</sup>.**

21<sup>st</sup> Year

[www.ieee-bctm.org](http://www.ieee-bctm.org)

1986-2007

## IEEE Bipolar/BiCMOS Circuits and Technology Meeting

Boston Long Wharf Hotel

Boston, Massachusetts USA

Sunday, September 30, 2007 – Tuesday, October 2, 2007

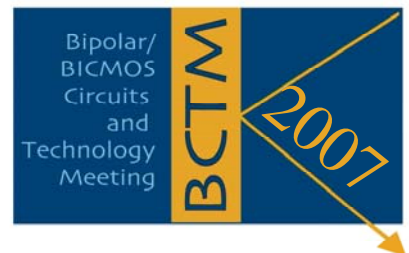
Topics related to Bipolar and BiCMOS technologies, devices, circuits and applications:

Analog/Digital Circuit Design  
RF Circuit Design  
Wireline Communications  
Device Physics

Modeling/Simulation  
Process Technology  
Power Devices

Special Events:

Short Course:  
September 30  
Workshop on Compact Modeling  
October 3, 2007



**Boston Marriott Long Wharf Hotel**

- Downtown Boston
- Located on Boston Harbor
- Near Quincy Market

### Technical Program Highlights

**Keynote Speaker:** Tak H. Ning (IBM) - Historical development of devices based on bipolar phenomena

**Short Course:**

"Bipolar IC Design Beyond Handsets and Into Millimeter Waves: Challenges and Opportunities for Power Amplifier and mm-wave Transceiver IC Design"

**Invited Papers:**

"TeraHertz Transistors" M. Rodwell (UCSB)

"Satellite Radio" A. Maxim (Silicon Laboratories)

"Modeling of RF Power Transistors" Steve Cripps

"Challenges in Design of Very-High-Speed Si-Bipolar IC's Operating up to 100 Gbit/s" - Michael Möller (Saarland University)

"SOI-based devices and technologies for High Voltage ICs" F. Udrea (Univ. Cambridge)

"Device, Antenna and Packaging Technology for MM Applications" B. Floyd (IBM)

**Emerging Technology:**

4 invited papers by experts in new and speculative devices and materials

Plus 2 full days of technical papers, a Luncheon with guest speaker, exhibits plus evening social event round out the program. Exhibition booths feature the latest products of interest to the bipolar community. The conference proceedings along with a CD-ROM are available at the conference. The IEEE Journal of Solid-State Circuits reports key innovations from the BCTM in a special issue every September.

**General Chair:**  
Yih-Feng Chyan  
Broadcom  
16215 Alton Pkwy,  
Irvine, CA 92618, USA  
Phone: 949-926-5711  
E-mail: [yfchyan@broadcom.com](mailto:yfchyan@broadcom.com)

**Technical Program Chair:**  
Marise Bafleur  
LAAS/CNRS  
7 Avenue Colonel Roche, 31077  
Toulouse Cedex, France  
Phone : 33-56-133-6966  
E-Mail: [marise@laas.fr](mailto:marise@laas.fr)

**Conference Manager:**  
Jan Jopke  
CCS Events  
6611 Countryside Drive,  
Eden Prairie, MN 55346  
Phone: 952-934-5082  
FAX : 952-934-6741  
E-mail: [ccsevents@comcast.com](mailto:ccsevents@comcast.com)

**BCTM 2007**