

2010 IEEE BIPOLAR/BICMOS CIRCUITS AND TECHNOLOGY MEETING (BCTM)

On behalf of the Executive Committee, we would like to welcome you to the 2010 IEEE BiPolar/BiCMOS Circuits and Technology Meeting (BCTM). The BCTM 2010 will be held from October 4 to 6, 2010 at the Radisson Hotel & Suite Austin-Town Lake. It includes a one day short course followed by two days of conference.

Anyone interested in leading edge processes, devices, and circuits used in state of the art telecommunication systems and power control systems will not want to miss this conference. Bipolar and BiCMOS technologies, particularly SiGe HBT BiCMOS technologies, continue to play a key role in these systems.

Papers covering the design, performance, fabrication, testing, modeling, and application of bipolar and BiCMOS integrated circuits, bipolar phenomena, and discrete bipolar devices will be presented.

Located in Central Texas on the eastern edge of the American Southwest, Austin is the fourth-largest city in Texas and the 15th-largest in the United States. It was the third-fastest-growing large city in the nation from 2000 to 2006. Residents of Austin are known as "Austinites" and include a diverse mix of university professors, students, politicians, musicians, state employees, high-tech workers, blue-collar workers, and white-collar workers. The main campus of the University of Texas is located in Austin. The city is home to development centers for many technology corporations and has adopted the nickname "Silicon Hills". Additionally, the city's official slogan promotes it as "The Live Music Capital of the World", a reference to the many musicians and live music venues within the area.

The conference starts with a one day short course followed by two full days of contributed and invited papers including keynote speaker and a special session on Emerging Technologies. On Tuesday evening, we will have our Gala Dinner, an annual highlight of the conference which offers attendees a great opportunity to catch up with old colleagues and make new friends.

The short course features three renowned experts on "Si/SiGe circuit design applications from GHz to THz". Short course invited talks include: "Designs and Applications in SiGe Technology", Peter Gammel (SiGe Semiconductors), "Development of 60 GHz Phased-array Systems and W-band Imaging Circuits in SiGe", Scott Reynolds (IBM), and "Design of Silicon Integrated THz Circuits", Ulrich Pfeiffer (University of Wuppertal).

We are fortunate to have Dr. Thomas Lee from Stanford University as this year's keynote speaker. Dr. Lee will discuss "The Fourth Age of Wireless: The Last and Best?" This is a great opportunity to meet Dr. Lee and learn about the latest trends in advanced communication technologies.

Three leading experts from the electronics community will share their visions during the special Emerging Technologies session. The first speaker is Professor Frank Schwierz from Technische Universitat Ilmenau, who will present "Graphene Applications and with Special Focus on the Graphene Transistors." Our next speaker, Dr. Christian Person of Lab-STICC Laboratory/Telecom Bretagne, will give some insights on "Silicon Antenna." And our special session will be completed with "The Future of Medical Electronics" presented by Dr. Karthik Vansath, TI's Medical Business.

Two days of technical paper sessions, a luncheon with guest speaker Andrew Keys of NASA, and the evening banquet round out the program. We look forward to welcoming you at BCTM 2010. Find full details and registration information for the conference on the BCTM web page (<http://www.ieee-bctm.org/>).

See you in Austin!



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