



INTEGRATED CIRCUITS AND SYSTEMS GROUP (ICSG)
THE ICS SEMINAR SERIES

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Texas Instruments

Challenges in Next Generation Wireless and Connectivity

This talk is intended to highlight key market trends and new applications from low frequency upto sub-THz bands where wireless transceivers and systems are needed and make a difference. Various use-cases, standards under discussion and ratification will be looked at.

Technical challenges associated with implementing these systems in nano-meter digital CMOS technologies will be discussed. The economics of going to these advanced processes for new capabilities will force certain architecture choices for RF systems to optimize unit cost and power consumption. This presentation will highlight some of these choices.

Biography:

Gangadhar Burra joined TI in 1999 in the Wireless Business Unit. He is currently the Chief Technology Officer of the Wireless Connectivity Organization and a Distinguished Member of Technical Staff. Prior to this role, Gangadhar was the manager of various design cores ranging from audio to switching amplifiers and broadcast cores between 1999 and 2008. He has multiple presentations and patents to his credit. Gangadhar's interests are primarily in system and architecture design of ultra-low power wireless systems as well as signal processing architectures.

Friday, April 30, 2010, ACES 2.302, 2:30-4:00pm
<http://icsg.ece.utexas.edu/ics-seminar/>