



TEXAS A&M UNIVERSITY
Department of Electrical Engineering
College Station, Texas 77843-3128
TEL (409) 845-7498 FAX (409) 845-7161
sanchez@ee.tamu.edu
<http://amesp02.tamu.edu/>

S E M I N A R
Room 119D ZEC

Monday, March 22, 2004, 3:00 p.m. 3:50 p.m.

Power Management for Wireless Applications

by

Siew Kuok Hoon and Jun Chen
Texas Instruments, Inc.
Dallas, Texas

Abstract: This presentation will provide a general perspective of the integration and interface of power management circuits in a wireless cellular phone. It will also showcase the power management subsystems and design modules. The challenges and future trends in power management for the high power demands in 3G wireless technology will be addressed. Finally, the presentation will be concluded with the strategies to meet the challenges.

Siew Kuok Hoon received his B.Eng(Hons) in Electrical Engineering from National University of Singapore in 1995, and M.S.E.E. from Texas A&M University in 2000. He joined Texas Instruments Inc., Dallas in July 2000 as a mixed-signal IC designer, where he is in the Analog Design Branch(Power Management/Analog Baseband System Integration), Wireless Analog Technology Center.

Jun Chen, He received B.S. and M.S. degrees from Chengdu University of Science and Technology in 1986 and 1989 respectively. He received the Ph.D. degree from Electrical Engineering Department of University of Florida in July 2000. Jun joined Texas Instruments in August 2000 as a IC designer. Since joining TI he has worked on 3 analog and mixed-signal IC's plus 7 research IC's. Jun has authored or coauthored 16 papers, and holds 12 patents. He is the regular peer reviewer for 3 IEEE Journals. He was the session chair of Applied Power Electronics Conference 2002 in Dallas. His research interests include: power management circuits, modeling of power converters.

