





# Technology Day Dallas, TX – June 16 & 17, 2009

**Wednesday, June 17**

Session	Power Supply Design	Analog	OMAP™ Application Processors	Microcontrollers	High-Performance Embedded Processing	Keys to Successful Software Development	Low-Power Wireless	Low-Power Design Considerations	
<b>Registration</b>									
8 to 8:30 a.m.									
8:30 to 9:30 a.m.	1	High Power Factor or High Efficiency – You CAN have Both / Reducing EMI from SMPS by Applying Spread Spectrum Techniques	Tackling EMI and RFI at the Board and System Level	OMAP35x Hardware and Software Overview	FRAM: The Future of Embedded Memory for Microcontrollers	Moving to Multicore DSP: Architecture, Benefits and tools	Linux Quickboot: How to shorten OS boot times to 2 secs or less	MSP430 in Low-Power RF Network Solutions	Protocol Design Considerations for Low-Power RF Systems from Wavetrix <b>(Part 1 of 2)</b>
<b>Break</b>									
9:30 to 9:45 a.m.									
9:45 to 10:45 a.m.	2	Under the Hood of DC/DC Boost Converter Design / Improving System Efficiency With a New Intermediate Bus Architecture	Designing Mixed Signal Systems with Noise Reduction Techniques in Mind	OMAP Graphics Overview	Perpetually Powered Energy Harvesting Systems Using the MSP430 MCU	DSPs for Femto to Macro Base Stations	Linux Development Tutorial on TI Processors	Single-chip Wireless System using the CC430	Protocol Design Considerations for Low-Power RF Systems from Wavetrix <b>(Part 2 of 2)</b>
<b>Break</b>									
10:45 to 11 a.m.									
11 a.m. to Noon	3	High-Voltage Energy Storage – The Key to Efficient Hold Up / Using a PMBus for Improved System-Level Power Management	Lessons Learned from TI Power Designs	OMAP3 Hands-On Lab <b>(Part 1 of 3)</b>	Delfino™ Floating Point Series Overview	Tips and Tricks for Increasing Performance with TI's Multi-core Embedded Processors	Open Source Software Development for OMAP35x Devices with Beagle Board and Foundation	Creating a Custom Portable SimpliciTI™ Project	Designing for Ultra-Low-Power with MSP430
<b>Lunch</b>									
1:15 to 2:15 p.m.	4	Applying Digital Technology to PWM Control Loop Designs	Component Selection, Layout and Thermal Design Consideration for DC/DC Converters	OMAP3 Hands-On Lab <b>(Part 2 of 3)</b>	C2000 Digital Power Solutions: AC/DC and DC/DC	Understanding Virtualization for TI's C64x Devices	Easing the SOC SW Maze: A Primer to Successful Codec Engine and Framework Implementation with Examples	Designing a Typical Master/Slave Network using SimpliciTI™	Understanding the Elements of On-Chip Power
<b>Break</b>									
2:15 to 2:30 p.m.									
2:30 to 3:30 p.m.	5	An Introduction to New Products for More Effective Power Solutions	Li-Ion Technology and Battery Management	OMAP3 Hands-On Lab <b>(Part 3 of 3)</b>	Introduction to Stellaris® ARM Cortex™-M3 MCUs	Open Source Software Development for OMAP35x Devices with Beagle Board and Foundation	Exploring Windows Embedded CE 6.0	SimpliciTI™ Network Coexistence Considerations	OMAP Power Management Techniques