



Technology Day Rochester, NY – October 7, 2009

Time	Session	Power Supply Solutions	High-Speed Analog	Wireless Solutions	Precision Analog	Embedded Processing
8 to 9 a.m.		Registration				
9 to 10 a.m.	1	Introduction to DC/DC Converter Topologies for Portable Applications	Clock Overview -- Understanding Common Clock Parameters and Solutions	RF Basics	Op Amp Stone Soup: A "Cookbook" Collection of Single-Supply Op Amp Circuits	Introduction to Code Composer Studio™ v4.0
10 to 10:30 a.m.		Break				
10:30 to 11:30 a.m.	2	LED Lighting Power Solutions	Solving Common Design Issues in High-Speed Analog-to-Digital Converters	Designer's Guide to Low-Power RF	Tackling EMI and RFI at the Board and System Level	OMAP35x Hardware and Software Overview
11:30 a.m. to 1 p.m.		Lunch				
1 to 2 p.m.	3	Battery Characteristics, Safety, Cell Balancing and Cell-based Thermal Sensing	High-Speed Layout Considerations	Improving the Range of Your Low-Power RF Designs	Audio Codec Solutions with Mini-DSPs and PurePath™ Studio <i>Presented by Critical Link</i>	Introduction to Stellaris® ARM Cortex™-M3 MCUs
2 to 2:15 p.m.		Break				
2:15 to 3:15 p.m.	4	Minimizing High-Frequency Noise from Switch-Mode Power Supplies	What is SuperSpeed USB (USB 3.0) and What Can I do with It?	An Introduction to Antennas and the Theories Behind Them	Operation and Measurement of Class-D Audio Power Amplifiers	FRAM: The Future of Embedded Memory for Microcontrollers (MSP430™)
3:15 to 3:30 p.m.		Break				
3:30 to 4:30 p.m.	5	Introduction to Digital Power -- TMS320C2000™ and UCDxx Solutions for Point-of-Load and AC/DC	ESD Protection: Protecting the Complete System	RF Transceiver Signal-Chain Design Considerations and Architectures for Broadband Wireless and Multicarrier, Multimode Wireless Infrastructure Systems	Op Amp Noise Calculation, Simulation and Measurement	Digital Motion Control System Design--From the Ground Up <i>Presented by D3 Engineering</i>