



Technology Day Orlando, FL – November 3, 2009

Time	Session	Innovations in Analog 1	Innovations in Analog 2	Innovations in Embedded Processing	Innovations in Portable Power Supply Solutions	Innovations in Application Processors
8 to 9 a.m.	Registration					
9 to 10 a.m.	1	Op Amp Stone Soup: A "Cookbook" Collection of Single-Supply Op Amp Circuits	Sensors and the Analog Interface	Embedded Web Server-Enabled Design Made Easy (Hands-on lab) <i>Part 1 of 2</i>	Optimizing High-Frequency Synchronous Switching Buck Converter Performance	Linux Development Tutorial on TI Processors
10 to 10:30 a.m.	Break					
10:30 to 11:30 a.m.	2	NexFET™, How To Design with Highly Efficient MOSFETs	Why Use a 24-Bit Converter When You Only Need 12 Bits?	Embedded Web Server-Enabled Design Made Easy (Hands-on lab) <i>Part 2 of 2</i>	Optimizing Power-Save Mode Performance in Low-Power Synchronous Buck Converter	Introduction to Code Composer Studio™ (CCS) v4.0
11:30 a.m. to 12:30 p.m.	Lunch					
12:30 to 1:30 p.m.	3	Power-Supply Layout Considerations	Understanding and Protecting Against Electrical Overstress (EOS) of Operational Amplifiers	Energy Harvesting Embedded Systems Using MSP430™	Minimizing High-Frequency Noise from Switch-Mode Power Supplies	Video Codecs - What, How, and Which
1:30 to 1:45 p.m.	Break					
1:45 to 2:45 p.m.	4	Tackling EMI and RFI at the Board and System Level	High-Speed Layout Considerations	MSP430F5xx Hands-On Workshop <i>Part 1 of 2</i> (No break)	Battery Characteristics, Safety, Cell Balancing and Cell-Based Thermal Sensing	BIOS 6: The Next Generation BIOS Supporting Both DSPs and MCUs
2:45 to 3 p.m.	Break					
3 to 4 p.m.	5	Designing Mixed Signal Systems with Noise-Reduction Techniques in Mind	Benefits and Tradeoffs of Using Programmable PLLs to Configure Frequencies and Reduce EMI	MSP430F5xx Hands-On Workshop <i>Part 2 of 2</i>	ABCs of LEDs	Open-Source Software Development on the ARM Cortex-A8

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