



Technology Day Austin – November 30, 2010

Time	Session	Track 1 Wireless Connectivity	Track 2 Signal Chain Design Considerations	Track 3 Microcontroller Design	Track 4 Embedded Processing	Track 5 Lab/Workshops	Track 6 Power Supply Design Seminar, SEM1900
8 to 9 a.m.		Registration					
9 to 10 a.m.	1	RF Basics, Tools and Getting Started	Using Fully Differential Op Amps to Signal Condition High Voltage Signals to Drive ADCs	Control and Drive Solutions for All Types of Motors with Stellaris® and C2000™ Piccolo™ Microcontrollers	Skype D1 Video Phone Solution Based on DM365	Embedded Web Server-Enabled Design Made Easy with Stellaris® MCUs (Part 1 of 2)	Incorporating Active-Clamp Technology to Maximize Efficiency in Flyback and Forward Designs AND SEM1900: Under the Hood of Flyback SMPS Designs
10 to 10:30 a.m.		Break					
10:30 to 11:30 a.m.	2	Bringing TI's Bluetooth® Technology to Embedded MCU Platforms	Digital Isolation Techniques and Implementations	FRAM: The Future of Embedded Memory for Microcontrollers	Maximize Effectiveness by Combining Android and TI OMAP35x	Embedded Web Server-Enabled Design Made Easy with Stellaris® MCUs (Part 2 of 2)	Designing an LLC Resonant Half Bridge Power Converter
11:30 a.m. to 1		Lunch / Booths					
1 to 2 p.m.	3	CC430: MCUs for Space Constrained, Ultra-Low-Power, Wireless Applications	Understanding Clock Basics and Portfolio – the Capabilities and Limitations of Frequency Generation and Meeting Jitter/ Phase Noise Requirements	C2000™ Digital Power Solutions: AC/DC and DC/DC	Video Surveillance Reference Design: IPNC and DVR	MSP430F5xx Hands-On Workshop (Part 1 of 3)	Power Factor Correction Using the Buck Topology – Efficiency Benefits & Practical Design Considerations AND New Product Offerings from Texas Instruments
2 to 2:15 p.m.		Break					
2:15 to 3:15 p.m.	4	Texas Instruments Wireless Products and What Works Best for Your Design	ESD Protection: Protecting the Complete System	Introduction to Stellaris® ARM Cortex™-M3 MCUs	Video Codecs – What, How and Which	MSP430F5xx Hands-On Workshop (Part 2 of 3)	Designing Magnetic Components for Optimum Performance in Low-Cost, AC-DC Converter Applications
3:15 to 3:30 p.m.		Break					
3:30 to 4:30 p.m.	5	Designing RF Systems with Low Power Consumption Targets	Tackling EMI and RFI at the Board and System Level	MSP430F5xx: Bigger, Faster, Lower Power – the Next Generation MSP430™	Linux Development Tutorial on TI Processors	MSP430F5xx Hands-On Workshop (Part 3 of 3)	A New Dual Half-Bridge, DC/DC Converter with Wide-Range ZVS and Zero Circulating Current AND Designing a Solar-Cell Driven LED Outdoor Lighting System - A Comparison of Digital and Analog Power Control Solutions

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