



# Technology Day San Jose December 8, 2011

Time	Session	High-Speed Design Techniques	Medical	Power Supply Design	Design Tools	Lighting & Energy	Audio / Consumer	Software Development using TI's DSPs	Microcontrollers
<b>Registration &amp; Booths / Continental Breakfast</b>									
8 to 9 a.m. 9 to 10 a.m.	1	Driving Gigasample ADCs in Single- or Dual-Channel Mode for Ultra-High-Bandwidth Applications	Telehealth: Trends, Challenges, Wireless Standards and Solutions	Don't Let Bad Things Happen to Good Circuits: Protection Circuit Design That Works Right The First Time	Hands-On Workshop: The Texas Instruments Modular And Versatile Reference Kit (MAVRK™) Modular, System-Level Evaluation Tool (Part 1 of 2)	Lighting Power Solutions Overview	How to Achieve Superior Audio in Portable Applications	Introduction to Linux	CC430 MCUs for Space-Constrained, Ultra-Low-Power Wireless Applications
<b>Break / Booths</b>									
10 to 10:30 a.m. 10:30 to 11:30 a.m.	2	Current Feedback Optimization Techniques for High-Speed/High-Performance Applications Such as Active Filters, ADC Driving and Others	Personal Health Device Sensors and Solutions: Driving Toward Lower Power and Wireless Connectivity	SIMPLE SWITCHER® Nano Modules and the Next Level of Integration	Hands-On Workshop: The Texas Instruments Modular And Versatile Reference Kit (MAVRK™) Modular, System-Level Evaluation Tool (Part 2 of 2)	Effects of High Current Ripple on LEDs	miniDSP and TI Audio CODECs: Architecture, Signal Processing Capabilities, Software	Go Green: Utilize New Linux Power-Management API to Lower System Cost via Reduced Power Requirements	Under the Hood of FRAM and the New MSP430FR57xx MCU Family
<b>Lunch / Booths</b>									
11:30 a.m. to 1 1 to 2 p.m.	3	High-Performance Differential ADC Input Interface Design	Analog Signal Considerations for Medical Applications: ECG, Pulse Oximetry, CPAP and Blood Glucose	Switching Power-Supply Design: PCB Thermal Management and EMI Mitigation	Switching Power Supplies Made Easy with WEBENCH®, TINA-TI™ v9 Software and SwitcherPro™ Software (Part 1 of 3)	Innovative Power-Saving LED Backlight Solutions for Medium-Size Displays	Design Solutions for High-Fidelity Wireless Audio using TI's PurePath™ Technology	Introduction to Android	Making Microcontrollers Easier: Development Tools Overview
<b>Break / Booths</b>									
2 to 2:15 p.m. 2:15 to 3:15 p.m.	4	Eye-Opening Signal-Conditioning Tips and Tricks for High-Speed Data and Video Designs	DLP® Technology: Driving Medical Applications Such as Vascular Imaging, Confocal Microscopy and Many More	Achieving Better Transient Response with Less Output Capacitance from Your DC/DC Power Designs	Switching Power Supplies Made Easy with WEBENCH®, TINA-TI™ v9 Software and SwitcherPro™ Software (Part 2 of 3)	Down-Light and Area-Light Driver Design	Wireless Power: Total Solution for Charging Using the Wireless Power Consortium Standard	Developing with Android using TI's ARM Microprocessors	Intro to Motors & Motor Control
<b>Break / Booths</b>									
3:15 to 3:30 p.m. 3:30 to 4:30 p.m.	5	Understanding Clock Basics and Portfolio: The Capabilities and Limitations of Frequency Generation and Meeting Jitter/Phase Noise Requirements	Portable Medical: Smaller and Smarter with MSP430™ Microcontrollers	How TI NexFET™, PowerBlock and Power Stage Technology Enables the Highest Efficiency and Power Density in Low-to-Medium Input Voltage Power Systems	Switching Power Supplies Made Easy with WEBENCH®, TINA-TI™ v9 Software and SwitcherPro™ Software (Part 3 of 3)	Energy Harvesting, Wireless Charging and Zero Power Devices by <i>Cymbet</i>	Introduction to Touch Screen & Haptic Technologies	Jumpstart Your Digital Media Development with TI SDKs	Ultra-Tiny Embedded Linux for Stellaris® MCUs

The platform bar, Code Composer Studio, DCAP2 Mode, DSP/BIOS, MAVRK, MSP430, NexFET, PMBus, PurePath, PurePath Wireless, SwitcherPro, SWIFT and TINA-TI are trademarks of Texas Instruments. Stellaris, WEBENCH and SIMPLE SWITCHER are registered trademarks of Texas Instruments. All other trademarks are the property of their respective owners.