Track 1: MSP430 and RFID

**Optimizing MSP430 Performance with Analog and Logic**
Learn how to optimize MSP430 performance in portable and non-portable applications by leveraging the MSP430's sub-1GHz wireless capabilities, and understand the principles of implementing ultra-low power RF links with MSP430 and Chipcon technology.

**Ultra-Low-Power Wireless RF Link using MSP430/Chipcon**
Learn how to optimize power in low-power RF designs and implement real-time clock, keypad scanning, battery measurement, display control, and other key system functions using analog and logic design techniques.

**Designing Low-Noise Bridge Measurement Systems**
Explore how to interface the MSP430 with CC1100/CC2500, emphasizing the importance of good layout and optimization.

**Code Library for Interfacing the MSP430 with CC1100/CC2500**
Understand the nuts and bolts of delta-sigma ADCs and multiplexed application circuits, and learn how to achieve maximum performance and power savings.

**DSP Controllers for Video Applications – Technical Deep Dive**
This session will cover advanced topics such as selection of baseline libraries, configuration of options, and integration of different components and sub-systems.

**Track 2: Signal Chain**

**Noise Filtering**
Learn how to optimize noise filtering in op-amps, including signal bandwidth, slew rate, and output impedance, and explore the impact of noise on overall signal integrity.

**The nuts and bolts of delta-sigma ADCs**
Understand the fundamentals of delta-sigma ADCs and their implementation in practical applications, including noise considerations and filter design.

**ADC Requirements for System Design**
Explore the fundamentals of ADC requirements, including resolution, speed, and accuracy, and understand how these factors impact system performance.

**Track 3: Power Solutions**

**Digital Power Supply Control**
Learn about the basics of digital power supply control and the benefits of field-oriented control techniques (FOC), including the integration of various power sources and their impact on overall system performance.

**Digital Motor Control - I**
Explore the fundamentals of digital motor control, including speed and torque control, and learn how to optimize performance and efficiency.

**Optimize your DS-Mux System with Low Latency Strategies**
Understand how to optimize your DS-Mux system with low latency strategies, including the selection of baseline libraries and configuration of options.

**Track 4: Video and Digital Control**

**Demonstrations**
This session will cover a range of practical demonstrations and hands-on activities, including the integration of various power sources and their impact on overall system performance.

**Digital Motor Control Solutions with the CC2530/DDP Controllers**
Explore the fundamentals of digital motor control, including speed and torque control, and learn how to optimize performance and efficiency.

**Digital Sigma Converters for Motor Control**
Learn about the fundamentals of digital sigma converters for motor control, including speed and torque control, and understand the impact of various parameters on overall system performance.

**Track 5: Low-Power RF**

**RF Basics and World Wide Frequency Allocations**
This session will cover the basics of RF fundamentals, including the fundamentals of wireless communications and the impact of various parameters on overall system performance.

**GPS for Video Applications – Technical Deep Dive**
This session will cover advanced topics such as selection of baseline libraries, configuration of options, and integration of different components and sub-systems.

**Optimizing Power in Low-Power RF Designs**
This session will cover advanced topics such as selection of baseline libraries, configuration of options, and integration of different components and sub-systems.

**Zigbee® Design Processes and Considerations**
Explore the fundamentals of Zigbee design, including the selection of baseline libraries, configuration of options, and integration of different components and sub-systems.

**Low-Power RF Demo**
This session will cover advanced topics such as selection of baseline libraries, configuration of options, and integration of different components and sub-systems.
TI Technology Day
June 26, 2007
Hotel Pyramide – Nürnberg/Fürth

Agenda
08:00 – 09:00  Registration – Welcome coffee
09:00 – 09:15  Introduction
09:15 – 10:15  Session 1
10:15 – 10:45  Break/Exhibition
10:45 – 11:45  Session 2
11:45 – 12:45  Session 3
12:45 – 14:15  Lunch/Exhibition
14:15 – 15:15  Session 4
15:15 – 15:45  Break/Exhibition
15:45 – 16:45  Session 5
16:45 – 18:00  Lottery & drinks in the exhibition area

Location
Hotel Pyramide
Europa-Allee 1 • 90763 Fürth • 0911-9710 0
www.pyramide.de

You can also register directly on the web:
www.ti.com/techday07-e

REGISTRATION BY FAX
Fax-No. +49 8161 80 2045

Please select below the modules you would like to attend at the Tech Day in Fürth on June 26.

Track 1
- MSP430 and RFID
- Signal Chain
- Power Solutions
- Motor Control
- Low-Power RF

Track 2
- Optimizing MSP430 Performance with Analog and Logic Design
- Designed Low-Noise Bridge Measurement Systems
- PCB Layout for Successful Power Supply Design
- Broad Portfolio of Digital Media DSPs from TI

Track 3
- Save Power by Leveraging the MSP430 Ultra-Low-Power MCU
- Optimize your DS-Mux System with Low Latency Strategies
- Component Selection for DC/DC Converters
- DSPs for Video Applications – Technical Deep Dive
- Optimizing Power in Low-Power RF Designs

Track 4
- Capacitive Touch Sensor using MSP430
- Optimize your SAR ADC Design
- Digital Power Supply Control
- Digital Motor Control - I
- ZigBee Design Processes and Considerations

Track 5
- Ultra-Low-Power Wireless RF Link using MSP430/Chipcon
- Simplify your Amplifier Decision
- UCD9112 Live Demo
- Digital Motor Control - II Demonstrations
- RFID Principals
- Exploring the SPICE simulator TINA-TI™
- Isolated AC/DC Power Supply Design Made Easy with C2000™ DSP Controllers
- Delta Sigma Converters for Motor Control
- Code Library for Interfacing the MSP430 with CC1100/CC2500

The shuttle service will provide transportation to Nürnberg from the following cities: Erfurt, Frankfurt, Munich, Stuttgart, Würzburg.

You can also register directly on the web:
www.ti.com/techday07-e

A free of charge TI-Shuttle bus service to Nürnberg will start from the cities below. If you would like to use this service, please select your city of departure.

Select your city of departure
- Erfurt
- Frankfurt
- Munich
- Stuttgart
- Würzburg

Pick-up address
- Erfurt: Hauptbahnhof, City Hotel
- Frankfurt: Main-Taunus-Zentrum
- Munich: Fröttmaning, U-Bahnstation, Busbahnhof
- Stuttgart: Sindelfingen bei Stuttgart, Parkplatz Breuningerland
- Würzburg: Hauptbahnhof, Taxistand

Pick-up time
- Erfurt: 4:30
- Frankfurt: 5:00
- Munich: 6:15
- Stuttgart: 5:30
- Würzburg: 7:00

The shuttle buses will leave Nürnberg at 18:00 on June 26, 2007.

Contact details
(please fill in all fields)
Company
First Name
Last Name
Street
ZIP-Code
City
Phone
Fax
Email

Technology for Innovators, the TI red/black banner, TINA-TI and C2000 are registered trademarks of Texas Instruments.

For more information, please visit our website at www.ti.com/techday07-e.