

# University of Pittsburgh RFID Center of Excellence



**Tuesday November 6, 2007**

**Time: 6:30PM**

**University of Pittsburgh - 1175**

**Benedum Hall**

**Sean Thompson - RF Product Manager**



## **"RFID Test Methodologies and Real-Time Signal Completion"**

As wireless communication proliferates, both in platforms and devices, test and measurement take on a diverse dimension that requires a new paradigm flexible; configurable test equipment. Whether it is the need to perform mixed-signal test, integrate and test multiple communications standards, or shorten the test development cycle of RF and communications products, engineers are feeling the pressure in one of the industry's fastest-growing markets. This technical session explores which tools engineers are using to design, develop, and test emerging RF and wireless communications products in this rapidly growing and changing market. Learn about the NI RF and communications platform of software-defined PXI-based signal analyzers and signal generators. Virtual instrumentation (synthetic instrumentation) plays a significant role in the development of flexible software-defined radio (SDR) systems, cognitive radio, custom signal generation, radar, and spectrum analysis. RFID and related technologies continue to gain popularity in applications such as inventory tracking, national security, and access control. Learn about advanced test methodologies for this technology and incorporating real-time signal analysis and generation in configurable FPGA-based RF instrumentation from National Instruments.

**Questions and Discussion: 7:30PM**

**RFID Center Members will meet at 5:00PM in Room 330 Benedum Hall**

**For Additional Center Information: Call 412 / 624 - 9682**

**or email: [rfid@pitt.edu](mailto:rfid@pitt.edu)**