

# University of Pittsburgh RFID Center of Excellence



**Tuesday August 7, 2007 Time: 6:30PM**  
**University of Pittsburgh-1175 Benedum Hall**

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## **"Active RFID Tags and Conformance Testing for ISO 18000-7 and ISO 18185"**

Two of the major active RFID tag standards are ISO 18000-7 and ISO 18185. ISO 18000-7 is primarily used by the Department of Defense, and ISO 18185 defines RFID tags for shipping containers, or TEUs (20-foot-equivalent unit). Increasing demand for tags and readers conforming to one of the two standards has generated the entry of several different manufacturers offering these tags. Because the equipment from one manufacturer must work with equipment from another manufacturer, conformance to the standard is critical.

The University of Pittsburgh RFID Center of Excellence, in a collaboration with the Department of Defense, Savi, and the International Organization for Standardization, ISO, is developing the test procedures to test for conformance to the standards. Because our tests are automated, quick, and repeatable, each tag and reader is subjected to the same stimulus. Further, all information is stored for failure analysis and for future verification of the tests. This presentation will describe our testing philosophy, and methodology, and will focus on the benefits of our test system.

**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**  
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