



NIST
National Institute of
Standards and Technology
Technology Administration
U.S. Department of Commerce



Summer Workshop

Net-Ready Sensors: The Way Forward

What: The National Institute of Standards and Technology (NIST), the Joint Program Executive Office, Chemical and Biological Defense (JPEO-CBD), and Oak Ridge National Laboratory (ORNL) are sponsoring a two-day workshop on “Net-Ready Sensors: A Way Forward.”

When: August 2-3, 2006

Where: Tennessee Room (Room 202, A&B) in Building 5200 on ORNL's [campus](#) in **Oak Ridge, Tennessee**

The Net-Ready Sensors Workshop will provide an opportunity for developers and subject matter experts to share their interests in the DoD's development of net-centric CBRN sensor architectures. This will be an unclassified workshop. The agenda will include presentations and discussions on plug and play standards for sensor networks, sensor data standards, commercial offerings for net-centric sensor applications, and sensor network research (see draft agenda on page 2).

The Workshop organizers are David Godso, of JPEO-CBD, Bryan Gorman, of ORNL, and Kang Lee, of NIST.

Interested parties wishing to participate in the workshop should contact Ms. Natalie Crippen (see below) by 1 July 2006. Attendance will be limited to 40 participants.

Contact Information for registration
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Net-Ready Sensors Workshop Agenda (Day 1)

August 2

- 8:00-8:30: Registration and in-processing (ORNL Visitors' Center)
- 8:30-8:45: Introductions: Bryan Gorman
- 8:45-9:00: Welcome: MG (Ret) John Doesburg
Director, Homeland Security Program Office, ORNL
- 9:00-9:15: Welcome and Net-Ready Sensors for the DoD : MG Steve Reeves
JPEO-CBD
- 9:15-10:00: CBRN Data Model: Tom Johnson, JPM IS Data APM
- 10:00-10:15: Break
- 10:15-11:00: ANSI N42.42: George Lasche, Sandia National Laboratory
- 11:00-11:45: Common Alerting Protocol (CAP): Art Botterell, EM TC (OASIS)
- 11:45-1:00: Lunch
- 1:00-1:45: EDXL-DE: Gary Ham, Battelle Memorial Institute
- 1:45-2:30: WFS-T: Ron Lake, Galdos
- 2:30-3:15: XMPP: Boyd Fletcher, JFCOM
- 3:15-3:30: Break
- 3:30-4:15: Semantic Interoperability Community of Practice (SICoP): Brand Niemann,
EPA and Co-Chair SICoP and the Federal CIO Council's Best Practices
Committee
- 4:15-5:00: Net-Ready Sensors: Joshua Pressnell, JPEO-CBD



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Net-Ready Sensors Workshop Agenda (Day 2)

August 3:

- 8:00-8:30: Registration and In-processing (ORNL Visitors' Center)
- 8:30-9:15: Harmonizing Frameworks for Sensor Networks: Arjun Shankar, ORNL
- 9:15-10:00: SensorML and SWE: Mike Botts, University of Alabama, Huntsville
- 10:00-10:15: Break
- 10:15-11:00: PnP-X and WS-Discovery: Jack Timmons and Dave Roth, Microsoft
- 11:00-11:45: Sun SPOT: David Simmons, Sun Labs
- 11:45-1:00: Lunch
- 1:00-1:45: IEEE 1451.0/5: Kang Lee, NIST
- 1:45-2:30: CIMA: Rick McMullen, Indiana University
- 2:30-3:15: Next Generation 9-1-1: Roger Hixson, NENA
- 3:15-3:30: Break
- 3:30-4:00: Workshop Wrap-up



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Participant Instructions

1. Access to the Oak Ridge National Laboratory requires prior visitor registration. Please contact Ms. Natalie Crippen (865-974-2269, crippennl@ornl.gov) by 1 July 2006 for registration instructions.
2. See <http://www.ornl.gov/ornlhome/visiting.shtml> for directions to the Lab and area information.
3. See <http://oakridgevisitor.com/lodging.html> for information about lodging.
4. Softcopy of the presentations will be available distribution after the workshop.
5. Contact Information

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