

Theme

Developing strategies to meet the cyber security and information intelligence challenges ahead

The goal of the workshop is to challenge, establish and debate a far-reaching agenda that broadly and comprehensively outlines a vision that is founded on sound principles and technologies, including:

- Scalable trustworthy systems (including system architectures and requisite development methodologies)
- Enterprise-level metrics (including measures of overall system trustworthiness)
- Life-cycle of System Evaluation methodologies
- Coping with insider threats
- Coping with malware
- Global identity management
- System survivability
- Situational awareness and attack attribution
- Data provenance and integrity
- Privacy-aware security
- Usable security

Mission Statement

The CSIIIR Group conducts research to develop and validate applications, methods and supporting tools for cyber space science and information intelligence that meet critical national needs. We have developed various prototypes and operational systems and our intellectual property is available for licensing and commercial product development. Our Multipurpose Research Facility (MRF) provides an extensive array of capability in this regard.

Chairs

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Sponsors

- Cyberspace Sciences and Information Intelligence Research (CSIIIR) Group
- Computational Science and Engineering Division Oak Ridge National Laboratory
- Federal Business Council, Inc.
- Association of Computing Machinery
- University of Tennessee, EECS
- Symantec, (pending)
- Lockheed Martin, (pending)
- National Science Foundation (pending)

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Call for Abstracts CSIIRW-09

The Fifth Annual Cyber Security and Information Intelligence Research Workshop

April 13-15, 2009

Oak Ridge National Laboratory
Oak Ridge, TN
and
The University of Tennessee
Knoxville, TN

Workshop Homepage:
www.csiir.ornl.gov/csiirw

HICSS Minitrack Homepage:
www.csiir.ornl.gov/csiirm



Synopsis

Despite ubiquitous dependence on electronic information and on networked computing infrastructure, cyber security practice and policy is largely heuristic, reactive, and increasingly cumbersome, struggling to keep pace with rapidly evolving threats. Advancing beyond this reactive posture will require a transformation in computing and communication systems architecture and new capabilities that do not merely solve today's security challenges, but render them obsolete. The combination of increased vulnerability, increased stakes, and increased threats makes cyber security and information intelligence one of the most important emerging challenges in the evolution of modern cyberspace "mechanization."

Planned Workshop Highlights

Keynote Speakers:

- √ Douglas Maughan, Cyber Security Research Lead, DHS S&T (CID)
- √ Eric Cole, Senior Scientist and Fellow Lockheed Martin
- √ Robert Stratton, Director, Public Sector Research and Development, Symantec
- √ Dawn Song, Professor of Computer Science, UC Berkeley
- √ Bhavani Thuaisingham, Director, Cyber Security Research Ctr., U. Texas at Dallas
- √ Sal Stolfo, Professor of Computer Science Columbia University
- √ Mike Hinchey, Co-Director, Lero – Irish Software Engineering Research Institute

Keynote and Grass Roots Panels

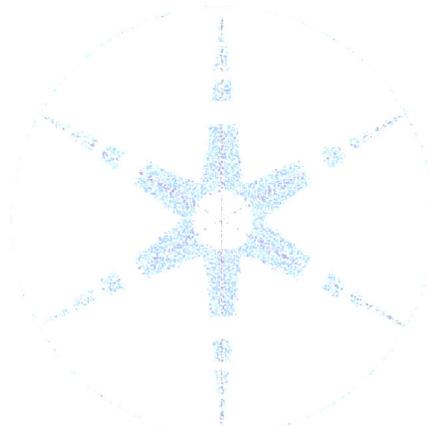
Guidelines for Abstracts

Interested parties are encouraged to submit extended abstracts (up to 4 pages) to Frederick Sheldon
(www.csiir.ornl.gov/csiirw/ACM-SubmGuidelines.htm).

In keeping with the workshop format,

we are seeking extended abstracts (up to three pages). Presentations will be scheduled at the workshop to accommodate successive 20-minute talks plus 5 minutes to allow maximum interaction and discussion between participants to:

- Address our goals and refine our strategies,
- Establish collaborative opportunities,
- Disseminate information about important developments, initiatives and
- Special interest groups
- Identify measures of success.



Deadlines

March 1: Abstracts submitted for guidance and indication of appropriate content

March 20: Author notification

March 27: Visitation requests must be submitted by foreign national attendees by this deadline.

June 15: Tentative date for submission of full papers for the companion HICSS Minitrack. See www.csiir.ornl.gov/csiirm for full details.

Vendor Registration

The Federal Business Council will coordinate all vendor registration. Contact: Kevin Glatstein (Kevin@fbcdb.com) or www.fbcinc.com

Registration Fee

There will be a \$149 participant registration fee to partially cover the costs, including food and the banquet dinner due by April 1 (\$30 upcharge for late registration).

Students with a valid ID are entitled to a 50% reduction in the registration fee.

