

CALL FOR PAPERS
SECURITY AND SURVIVABILITY OF NETWORKED SYSTEMS
Part of the
Software Technology Track

Thirty-eighth Annual
HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES

January 3 - 6, 2005
Hilton Waikoloa Village Resort
on the Big Island of Hawaii

Additional detail may be found on HICSS primary web site: <http://www.hicss.hawaii.edu>
Mirror sites: <http://hicss.sepa.tudelft.nl/> and <http://www.is.cityu.edu.hk/hicss/>

MINITRACK DESCRIPTION

Malicious attacks on computing systems and networks have grown steadily over the last decade and have reached epidemic proportions. Despite much progress in security research, the numbers of reported vulnerabilities and incidents are increasing. We are fully embracing computer and network technology in all aspects of our daily lives, and even to control our critical infrastructures, where failures could result in loss of life or have huge financial and environmental consequences. We need to increase our research efforts in this arena.

This minitrack focuses on security and survivability in networked computer systems. Of special interest are contributions that address survival, tolerance, recovery or masking of malicious attacks. Submissions will be sought from researchers in the area of system survivability, fault-tolerance and intrusion tolerance, software dependability, computer and network security, and economic or statistical modeling of secure/survivable systems. Topics include, but are not limited to:

- System or software survivability
- Safety critical failure modes
- Network or system intrusion tolerance
- Modeling malicious behavior or attacks
- Survivability and security issues of mobile agent based systems
- Survivability and security issues of ad-hoc networks
- Mathematical models for verification of vulnerability to malicious acts
- Models for measurement, evaluation, or validation of survivability
- Software and hardware fault tolerance
- Design for dependability and/or survivability
- PRA and hybrid fault models accounting for malicious acts and events

For more information see: <http://www.cs.uidaho.edu/~krings/HICSS38.htm>

MINITRACK CO-CHAIR CONTACT INFORMATION

- Axel W. Krings, Department of Computer Science, University of Idaho, Moscow, ID 83844-1010, phone: 208-885-4078, fax: 208-885-9052, krings@cs.uidaho.edu
- Paul Oman, Department of Computer Science, University of Idaho, Moscow, ID 83844-1010, phone: 208-885-6899, fax: 208-885-9052, oman@cs.uidaho.edu
- Azad Azadmanesh, Department of Computer Science, University of Nebraska at Omaha, Omaha, NE 68182-0500, phone: 402-554-3976, fax: 402-554-3400, azad@unomaha.edu

IMPORTANT DEADLINES

- March 31, 2004** Authors contact Minitrack Chairs for guidance and indication of appropriate content. (Optional)
- June 15, 2004** Authors submit full papers to the appropriate Minitrack following format and submission instructions on the web site.
- August 15, 2004** Minitrack Chairs send Acceptance/Rejection notices to Authors.
- October 1, 2004** Authors submit Final Version of paper electronically to publisher. At least one author of each paper must register by this date to attend the conference to present the paper.
- December 1, 2004** Deadline to guarantee your hotel room reservation at the conference rate.

INSTRUCTIONS FOR PAPER SUBMISSION

- HICSS papers must contain original material not previously published, or currently submitted elsewhere.
- Consult the conference website for the listing and description of Minitracks for HICSS-38.
- (optional) Contact the Minitrack Chair(s) by email for guidance and verification of appropriate content.
- Do not submit the manuscript to more than one Minitrack Chair. If unsure of which Minitrack is appropriate, submit abstract to the Track Chair for guidance.
- Submit your full paper according to the detailed formatting and submission instructions found on the HICSS website. Note: All papers will be submitted in double column publication format and limited to 10 pages including diagrams and references.

HICSS-38 CONFERENCE TRACKS

- **Collaboration Systems and Technology** - Co-Chair: Jay Nunamaker; E-mail: jnunamaker@cmi.arizona.edu; Co-Chair: Robert O. Briggs; E-mail: bob@GroupSystems.com
- **Complex Systems** - Chair: Robert Thomas; E-mail: rjt1@cornell.edu
- **Decision Technologies for Management** - Chair: Dan Dolk; E-mail: drdolk@nps.navy.mil
- **Digital Documents and the Media** - Chair: Michael Shepherd; E-mail: shepherd@cs.cal.ca
- **Emerging Technologies** - Chair: Ralph H. Sprague; E-mail: sprague@hawaii.edu
- **Information Technology in Health Care** - Chair: William Chismar; E-mail: chismar@cba.hawaii.edu
- **Internet & the Digital Economy** - Co-Chair: David King; E-mail: david.king@jda.com
Co-Chair: Alan Dennis; E-mail: ardennis@indiana.edu
- **Organizational Systems & Technology** - Chair: Hugh Watson; Email: hwatson@terry.uga.edu
- **Software Technology** - Chair: Gul Agha; E-mail: agha@cs.uiuc.edu

HICSS conferences are devoted to advances in the information, computer, and system sciences, and encompass developments in both theory and practice. Invited papers may be theoretical, conceptual, tutorial or descriptive in nature. Submissions undergo a peer referee process and those selected for presentation will be published in the Conference Proceedings. Submissions must not have been previously published.

For the latest information; visit the HICSS web site at: <http://www.hicss.hawaii.edu>
or the mirror sites: <http://hicss.sepa.tudelft.nl/> and <http://www.is.cityu.edu.hk/hicss/>

CONFERENCE ADMINISTRATION

Ralph Sprague, Conference Chair, Email: sprague@hawaii.edu

Sandra Laney, Conference Administrator, Email: hicss@hawaii.edu

Eileen Robichaud Dennis, Track Administrator, Email: eidennis@indiana.edu

2005 CONFERENCE VENUE

Hilton Waikoloa Village (on the Big Island of Hawaii)
425 Waikoloa Beach Drive
Waikoloa, Hawaii 96738
Tel: 1-808-886-1234
Fax: 1-808-886-2900
www.hiltonwaikoloavillage.com