

HICSS-40: Call for Papers

Secure Software Architecture, Design, Implementation and Assurance (SSADIA) Minitrack

SCOPE

The Secure Software Architecture, Design, Implementation and Assurance minitrack focuses on the research and automation required to develop secure software systems that do not compromise other system properties such as performance or reliability. Current security engineering methods are demonstrably inadequate, as software vulnerabilities are currently being discovered at the rate of over 4,000 per year. These vulnerabilities are caused by software designs and implementations that do not adequately protect systems and by development practices that do not focus sufficiently on eliminating implementation defects that result in security flaws. An opportunity exists for systematic improvement that can lead to secure software architectures, designs, and implementations.

The following topics are appropriate topics for research papers:

- Static analysis tools and techniques for detecting security flaws and software vulnerabilities in source or binary code
- Dynamic analysis tools for detecting security flaws and software vulnerabilities in source or binary code
- Model checking tools for detecting security flaws and software vulnerabilities in software systems
- Software architectures and designs for securing against denial-of-service attacks and other software exploits
- Coding practices for improved security and secure library implementations
- Computational security engineering
- Other tools and techniques for reducing or eliminating vulnerabilities during development and maintenance

CO-CHAIRS

| | |
|-------------------|---------|
| Sven Dietrich | CERT |
| Daniel Plakosh | CERT/CC |
| Robert C. Seacord | CERT/CC |

Address email to the minitrack chairs to ssadia@cert.org.

PROGRAM COMMITTEE

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|-----------------|----------------------------------|
| Julia Allen | SEI/CMU |
| Hal Burch | CERT/CC |
| Brian Chess | Fortify Software |
| Bob Fleck | Secure Software |
| Michael Howard | Microsoft |
| Derek M. Jones | Knowledge Software Ltd |
| Alan Krassowski | Symantec |
| Fred Long | University of Wales, Aberystwyth |
| Tom Longstaff | CERT |
| Robert Martin | MITRE |

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|--------------------|-------------------------------------|
| Leon Moonen | Delft University of Technology |
| James W. Moore | MITRE |
| Samuel Redwine | James Madison University |
| David Riley | University of Wisconsin - La Crosse |
| John Steven | Digital |
| Carol Woody | CERT |
| Kenneth R. van Wyk | KRvW Associates, LLC |

PAPER REVIEW AND PROCEEDINGS PUBLICATION

HICSS conferences are devoted to the most relevant advances in the information, computer, and system sciences, and encompass developments in both theory and practice. Accepted papers may be theoretical, conceptual, tutorial, or descriptive in nature. Submissions must not have been previously published. Submissions undergo a double-blind peer referee process. Those selected for presentation at the conference will be published in the HICSS-40 conference proceedings.

INSTRUCTIONS FOR PAPER SUBMISSION

- HICSS papers must contain *original material* not previously published nor currently submitted elsewhere.
- It is recommended that authors contact the Minitrack Chair(s) by email for guidance regarding appropriate content.
- HICSS will conduct double-blind reviews of each submitted paper.
- Submit full paper according to detailed author instructions to be found on the HICSS web site (http://www.hicss.hawaii.edu/hicss_40/apahome40.htm) by May 1.
- The preferred format for papers submission is PDF.

IMPORTANT 2006 DATES

June 15, 2006 Authors may contact Minitrack Chairs for guidance and indication of appropriate content at any time before June 15.

August 15, 2006 Deadlines to submit full papers. All papers will be submitted in double column publication format and limited to 10 pages including diagrams and references. Papers undergo a double-blind review.

September 15, 2006 Authors receive notification regarding paper acceptances through the review system, not from the Minitrack Chairs. Acceptance may be conditional; revisions may be requested before final acceptance of paper. Attendance by at least one author and presentation of the paper at the conference is a requirement of acceptance.

September 16, 2006 Authors submit final version of papers following author instructions posted on this site. At least one author of each paper must register by this date with specific plans to attend the conference to present the paper. Early registration fee applies until this date.

September 17, 2006 General registration fee applies from this date through December 15.

December 1, 2006 Cancellation penalties apply after this date. Please see cancellation policy for details. If conference registration is cancelled, paper will not be included in the proceedings.

December 15, 2006 Hotel rates are not guaranteed after this date. On-site registration fee applies after this date. No refunds after this date.