The Fourth ACM Workshop on Scalable Trusted Computing (STC'09)

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A workshop held in conjunction with the

16th ACM Conference on Computer and Communications Security (ACM CCS'09)

Friday Nov. 13, 2009, Hyatt Regency Chicago, Chicago, Illinois, USA

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Call for Papers

Built on the continued success of ACM STC'06, STC'07 and STC'08, this
workshop focuses on fundamental technologies of trusted computing
(in a broad sense, with or without TPMs) and its applications in
large-scale systems -- those involving large number of users and parties
with varying degrees of trust. The workshop is intended to serve as a
forum for researchers as well as practitioners to disseminate and
discuss recent advances and emerging issues.

The workshop solicits two types of original papers that are
single-column using at least 11pt fonts. The length of the
full-paper submissions is at most 15 pages excluding bibliography,
appendix etc. The total number of pages should not be more than
20, whereas the reviewers are not required to read the appendix.
The length of short/work-in-progress/position-paper submissions is
at most 8 pages excluding bibliography. A paper submitted to this
workshop must not be in parallel submission to any other journal,
magazine, conference or workshop with proceedings. It is up to the
authors to decide whether a submission should be anonymous.

Topics of interests include but not limited to:

-- Enabling scalable trusted computing

    * better approaches to measurement management
    * better approaches to attestation
    * cryptographic support for trusted computing
    * architectural support for trusted computing
    * security policies and models of trusted computing
    * access control for trusted computing
    * architecture and implementation technologies for trusted platform
    * virtualization technology for trusted computing
    * establishing trust on software, users and services
    * intrusion tolerance/resilience in trusted computing
    * hardware-based approach to trusted computing
    * software-based approach to trusted computing
    * censorship-freeness in trusted computing
    * principles and technologies for handling scales
    * tackling complexity introduced by scalability

-- Applications of trusted computing

    * sustainable services based on trusted computing
    * trusted cloud computing
    * trusted embedded computing
    * killer applications of trusted computing
    * case study in trusted computing
    * scalable trust and services
    * large-scale trusted computing

-- Pushing the limits

    * limitations, alternatives and tradeoffs regarding trusted computing
    * realizing trustworthy computing via trusted computing
    * understanding expectedness of system properties
    * understanding system-level trust and trustworthiness
    * novel architectures for putting pieces together for STC

Important dates:
  Submission due: June 24, 11:59 PM EST, 2009
  Notification: Aug. 10, 2009
  Camera ready Version: Aug. 25, 2009
  CCS conference: Nov. 9-13, 2009
  STC workshop: Nov. 13, 2009

Submission website:
  http://projects.cerias.purdue.edu/stc2009/submission.html

General Chair:
  Shouhuai Xu   University of Texas, San Antonio

PC Co-chairs:
  N. Asokan   Nokia Research
  Cristina Nita-Rotaru   Purdue University
  Jean-Pierre Seifert   Technische Universitat and Deutsche Telekom Laboratories

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