6th International Workshop on Security Issues in Concurrency (SecCo'08)

Scope and topics:

Emerging trends in concurrency theory require the definition of models and languages adequate for the design and management of new classes of applications, mainly to program either WANs (like Internet) or smaller networks of mobile and portable devices (which support applications based on a dynamically reconfigurable communication structure). Due to the openness of these systems, new critical aspects come into play, such as the need to deal with malicious components or with a hostile environment. Current research on network security issues (e.g. secrecy, authentication, etc.) usually focuses on opening cryptographic point-to-point tunnels. Therefore, the proposed solutions in this area are not always exploitable to support the end-to-end secure interaction between entities whose availability or location is not known beforehand.

The aim of the workshop is to cover the gap between the security and the concurrency communities. More precisely, the workshop promotes the exchange of ideas, trying to focus on common interests and stimulating discussions on central research questions. In particular, we look for papers dealing with security issues (such as authentication, integrity, privacy, confidentiality, access control, denial of service, service availability, safety aspects, fault tolerance, trust, language-based security) in emerging fields like web services, mobile ad-hoc networks, agent-based infrastructures, peer-to-peer systems, context-aware computing, global/ubiquitous/pervasive computing.

SecCo'08 follows the success of SecCo'03 (affiliated to ICALP'03), SecCo'04 (affiliated to CONCUR'04), SecCo'05 (affiliated to CONCUR'05) and SecCo'07 (affiliated to CONCUR'07).

Invited speaker (joint with EXPRESS'08):

Michele Bugliesi (Università Ca' Foscari, Italy)

Program committee:

- Kostas Chatzikokolakis
  (Oxford Unversity, UK)
- Véronique Cortier
  (LORIA, CNRS, France)
- Amy Felty
  (University of Ottawa, Canada)
- Steve Kremer, co-chair
  (LSV, ENS Cachan, CNRS, INRIA, France)
- Ralf Küsters
  (University of Trier, Germany)
- Yassine Lakhnech
  (Verimag, France)
- Matteo Maffei
  (Saarland University, Germany)
- Prakash Panangaden, co-chair
  (McGill University, Canada)
- Riccardo Pucella
  (Northeastern University, USA)
- Mark Ryan
  (University of Birmingham, UK)

Important dates:

- Deadline for abstract submission: May 26 2008
- Deadline for paper submission: June 1 2008
- Notification: July 4 2008
- Workshop: August 23 2008

Submission guidelines:

We hope to publish workshop proceedings in the ENTCS series (Electronic Notes in Theoretical Computer Science); we thus encourage submissions already in that format. Submissions may be of two kinds:

– Short papers (not included in the proceedings): up to 5 ENTCS pages;
– Full papers: up to 15 ENTCS pages (including bibliography).

Papers must be sumbitted electronically at the following URL:

http://www.easychair.org/conferences/?conf=secco08

Simultaneous submission to other conferences or journals is only allowed for short papers. These are an opportunity to present innovative ideas (without working out a full paper) and to get feedback from a technically competent audience.

As done for the previous SecCo workshops, if the quality of the accepted submissions warrants it, there will be a special issue of the Journal of Computer Security devoted to selected papers from the workshop.