

GraMSec'14 – CFP

The First International Workshop on Graphical Models for Security

April 12, 2014, Grenoble, France
<http://www.gramsec.uni.lu>
(Co-located with ETAPS 2014)

SCOPE

Graphical security models provide an intuitive but systematic methodology to analyze security weaknesses of systems and to evaluate potential protection measures. Such models have been subject of academic research and they have also been widely accepted by the industrial sector, as a means to support and facilitate threat analysis and risk management processes. The objective of GraMSec is to contribute to the development of well-founded graphical security models, efficient algorithms for their analysis, as well as methodologies for their practical usage.

TOPICS

The workshop seeks submissions from academia, industry, and government presenting novel research on all theoretical and practical aspects of graphical models for security. The topics of the workshop include, but are not limited to:

- attack trees, attack graphs, Petri nets for security, Bayesian networks for security, UML-based models for security,
- security in system models, organizational models, and business models, as well as methods for (semi-)automatic derivation of attack models from these,
- methods for quantitative analysis of graphical security models,
- analysis of digital, physical and social (socio-technical) security aspects using graphical models,
- risk assessment and risk management using graphical security models,
- software tools supporting security analysis using graphical models,
- case studies and experience reports on the use of graphical methodologies for analysis and evaluation of security of systems.

PAPER SUBMISSION

We solicit two types of submissions:

- Regular papers (up to 15 pages) describing original and unpublished work within the scope of the workshop.
- Short papers (up to 5 pages) describing work in progress or less mature results.

Case studies and tool papers are welcome as well. All submissions must be prepared in LaTeX using the EPTCS macro package available at <http://style.eptcs.org/>. Each paper will undergo a thorough review process. Submissions should be made using the GraMSec'14 easychair web site: <https://www.easychair.org/conferences/?conf=gramsec14>.

The final versions of accepted regular and short papers will be published as a volume of Electronic Proceedings in Theoretical Computer Science (EPTCS). Furthermore, authors of a selection of the accepted papers will be invited to submit an extended version of their articles to a special issue of a high-quality journal, after the workshop.

Participants are also encouraged to submit position statements on linking industrial needs to academic research questions. The statements should not exceed one page and they will not undergo the review process. Based on the statements, a special session will be organized.

IMPORTANT DATES

Submission deadline: **December 13, 2013** (extended)
Acceptance notification: January 24, 2014
Camera ready version: February 6, 2014
GramSec workshop: April 12, 2014

CHAIRS

Sjouke Mauw, University of Luxembourg, LU (general chair)
Barbara Kordy, University of Luxembourg, LU (PC co-chair)
Wolter Pieters, Delft University of Technology and University of Twente, NL (PC co-chair)

PC MEMBERS

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