GraMSec'15 – CFP
The Second International Workshop on Graphical Models for Security

July 13, 2015, Verona, Italy
`http://gramsec.uni.lu`
(Co-located with CSF 2015)
Submission deadline extended until April 30, 2015

SCOPE

Graphical security models provide an intuitive but systematic methodology to analyze security weaknesses of systems and to evaluate potential protection measures. Formal methods and computer security researchers, as well as security professionals from industry and government, have proposed various graphical security modeling schemes. Such models are used to capture different security facets (digital, physical, and social) and address a range of challenges including security assessment, risk analysis, automated defensing, secure services composition, policy validation and verification. 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, and their variants
- Petri nets, Markov chains, and Bayesian networks for security
- UML-based models and other graphical modeling approaches for security
- Enhancement and/or optimization of existing graphical security models
- Methods for (semi-)automatic generation of graphical security models
- Scalability of graphical security models
- Software tools for graphical security modeling and analysis
- Risk assessment and risk management using graphical security models
- Methods for quantitative analysis of graphical security models
- Formal semantics of graphical security models
- Formal verification of graphical security models
- Game theoretical approaches to graphical security models
- Visualization of system security
- Visual security modeling and analysis of socio-technical and cyber-physical systems
- Graphical models for system, organizational, and business security
- Graphical security models for emerging paradigms (e.g., Cloud computing, IoT, Software Defined Networks, Big Data)
- Case studies and experience reports on the use of graphical security modeling paradigm.

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- Regular papers (up to 15 pages) describing original and unpublished work within the scope of the workshop.
- Tool papers (up to 5 pages) describing software supporting graphical security modeling, analysis, and evaluation. Tool papers will be presented during a special tool session.

All submissions must be prepared using the LNCS style (`http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0`). Each paper will undergo a thorough review process. All accepted (regular and tool) papers will be included in the workshop's post-proceedings, which will be published by Springer in the Lecture Notes in Computer Science (LNCS) series. Submissions should be made using the GraMSec'15 easychair web site: `https://www.easychair.org/conferences/?conf=gramsec15`.

IMPORTANT DATES

Due to numerous requests, the deadlines have been extended as follows

Submission deadline:	April 30, 2015 (firm)
Acceptance notification:	June 9, 2015
Camera ready version:	June 25, 2015
GraMSec workshop:	July 13, 2015

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Lingyu Wang, Concordia University, Canada
Jan Willemson, Cybernetica, Estonia

INVITED SPEAKER

The invited lecture of GraMSec'15 will be given by Marc Bouissou,
Professor at École Centrale Paris and a Senior Research Engineer at EDF R&D, France.

CONTACT

For inquiries please send an e-mail to `gramsec@uni.lu`