

Symposium on

Requirements Engineering for Information Security

<http://www.sreis.org>

Paris, France, August 29th, 2005



In conjunction with RE 05 – 13th IEEE International Requirements Engineering Conference

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Gene Spafford – Purdue University

PROGRAM CHAIRS

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The symposium is intended to provide researchers and practitioners from various disciplines with a highly interactive forum to discuss security and privacy-related requirements. The symposium can be seen as the continuation of the SREIS (<http://www.sreis.org>) series. Theoretical, experimental, and experience papers are all welcome.

Targeted Attendees

We would encourage attendance from those in the fields of requirements engineering, software engineering, information systems, information and network security and trusted systems as well as those interested in approaches to analyzing, specifying, and testing requirements to increase the level of security provided to users interacting with pervasive commerce, research and government systems. The symposium will be open to all RE conference attendees.

Topics

Papers related, but not limited, to the following topics are invited:

- solutions to known RE problems as applied to security and privacy
- RE for confidentiality, integrity, and availability
- industrial problem statements
- generalizations from individual industrial experiences
- RE for trusted Commercial Off-The-Shelf (COTS) systems
- empirical studies of industrial RE practice for security and privacy
- capture and expression of informal and ad hoc requirements
- managing conflicting requirements of operational effectiveness and security
- methods for the specification and analysis of security requirements
- methods for ensuring compliance between requirements and policies

Types of contribution

Full papers should present original work, using at most 8 proceedings pages (≤ 5000 words). Papers must not have been previously published nor have been submitted to or be in consideration for any journal, book, or conference.

Position papers may not exceed four pages. The aim of a position paper is to contribute a specific position to a research discussion. Position papers are judged on novelty, sensibility of the viewpoint, key insights, and relevant research results. Radical and unconventional ideas are welcomed.

Monday 29th August 2005

Each Full paper has allocated 20' for presentation and 5' for questions.

Each Short/Position paper has allocated 10' for presentation and 5' for questions.

8.30 to 9.30 Registration		
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9.00-10.30	SESSION 1:	Experimental Analysis of Security Requirements
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9.00-9.25	John Wilander and Jens Gustavsson	<i>Security Requirements---A Field Study of Current Practice</i> (full paper)
9.25-9.50	Seok-Won Lee, Robin Gandhi and Gail-Joon Ahn	<i>Security Requirements Driven Risk Assessment for Critical Infrastructure Information Systems</i> (full paper)
9.50-10.15	Erik Johansson and Pontus Johnson	<i>Assessment of Enterprise Information Security - Estimating the Credibility of the Results</i> (full paper)
10.15-10.30	Thitima Srivatanakul, John A. Clark and Fiona Polack	<i>Stressing Security Requirements: Exploiting the Flaw Hypothesis Method with Deviational Techniques</i> (short paper)
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10.30-11.00 Coffee break		
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11.00-12.30	SESSION 2:	Methodologies for Security and Privacy Requirements Engineering
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11.00-11.25	Charles B. Haley, Jonathan D. Moffett, Robin Laney and Bashar Nuseibeh	<i>Arguing Security: Validating Security Requirements Using Structured Argumentation</i> (full paper)
11.25-11.50	Christos Kalloniatis, Evangelia Kavakli and Stefanos Gritzalis	<i>PriS Methodology: Incorporating Privacy Requirements into the System Design Process</i> (full paper)
11.50-12.05	Donald Firesmith	<i>Analyzing the Security Significance of System Requirements</i> (short paper)
12.05-12.20	Johan Peeters	<i>Agile Security Requirements Engineering</i> (short paper)
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12.30-14.00 Lunch		
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14.00-15.30	SESSION 3:	Modelling Security Requirements
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14.00-14.25	Ruth Breu and Frank Innerhofer-Oberperfler	<i>Model based business driven IT security analysis</i> (full paper)

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14.25-14.50	Martyn Fletcher and Howard Chivers	<i>Security and Functionality Requirements in Practice: Towards a Combined View</i>	(full paper)
14.50-15.15	Murray Jennex	<i>Modeling Security Requirements for Information Systems Development</i>	(full paper)
15.15-15.30	Suvda Myagmar, Adam Lee and William Yurcik	<i>Threat Modeling as a Basis for Security Requirements</i>	(short paper)

15.30-16.00 **Coffee break**

16.00-17.30 **SESSION 4: Role and Pattern Based Security Engineering**

16.00-16.25	Mark Strembeck	<i>A Role Engineering Tool for Role-Based Access Control</i>	(full paper)
16.25-16.50	Manuel Koch, Karl Pauls and Francesco Parisi-Presicce	<i>Generation of Role-based Access Control Requirements from UML diagrams</i>	(full paper)
16.50-17.05	Dan Matheson, Indrakshi Ray, Indrajit Ray and Siv Hilde Houmb	<i>Building Security Requirement Patterns for Increased Effectiveness Early in the Development Process</i>	(short paper)
17.05-17.20	Carlos Gutiérrez, Eduardo Fernández-Media, Mario Piattini, Begoña Moros and Ambrosio Toval	<i>Security Requirements for Web Services based on SIREN</i>	(short paper)

17.30 **END**
