

3rd International Workshop on Quantitative Aspects in Security Assurance  
Affiliated workshop with ESORICS 2014  
Wroclaw, Poland, September 11, 2014  
[www.iit.cnr.it/qasa2014](http://www.iit.cnr.it/qasa2014)

\*\*\* Invited Speakers: Elisa Bertino and Audun Josang \*\*\*

**\*Overview\***

There is an increasing demand for techniques to deal with quantitative aspects of security assurance at several levels of the development life-cycle of systems & services, e.g., from requirements elicitation to run-time operation and maintenance. The aim of this workshop is to bring together researchers and practitioners interested in these research topics with a particular emphasis techniques for service oriented architectures. The scope of the workshop, is intended to be broad, including aspects as dependability, privacy, risk and trust.

**\*Programme\*:**

09:00-10:00 QASA/SETOP Session I

Invited Talk Elisa Bertino. Assessing Data Trustworthiness - Concepts and Research Challenges

10:00-11:15 QASA Session II

[Wolter Pieters](#) and [Mohsen Davarynejad](#) . Calculating adversarial risk

from attack trees: Control strength and probabilistic attackers

Kristian Beckers, Leanid Krautsevich and [Artsiom Yautsiukhin](#) . Analysis of Social Engineering Threats with Attack Graphs

Cristian Prisacariu and Audun Jøsang. Probabilistic Modeling of Humans in Security Ceremonies (Short paper)

11:15-11:45 Coffee Break

11:45-13:00 QASA/SETOP Session III

Tarek Bouyahia, Muhammad Sabir Idrees, Nora Cuppens-Boulahia, Frederic Cuppens and Fabien Autrel. Metric for Security Activities assisted by Argumentative Logic

[Smita](#) [Naval](#) , [Vijay](#) [Laxmi](#) , [Manoj](#) [Gaur](#) , [Sachin](#)  
[Raja](#) ,

Muttukrishnan Rajarajan and Mauro Conti.

[Environment-Reactive](#) [Malware Behavior: Detection and Categorization](#)

Maxime Puys, Lionel Rivière, Thanh-Ha Le and Julien Bringer. High-Level Simulation for Multiple Fault Injection Evaluation (QASA Short paper)

13:00-14:00 Lunch

14:00-15:00 QASA Session IV

Invited Talk Audun Josang. Defining assurance levels for user and server authentication

14:00-16:15 QASA Session V

Jerry Den Hartog and Ilaria Matteucci. Introducing Probabilities in Controller Strategies

Tom Chothia, Chris Novakovic and Rajiv Ranjan Singh. Automatically Calculating Quantitative Integrity Measures for Imperative Programs

[Alessandro Armando](#) , Michele Bezzi, [Nadia Metoui](#) and Antonino Sabetta. Risk-Aware Information Disclosure

**\*Registration\*:**

ESORICS registration service: <https://w3.im.pwr.wroc.pl/page28/index.html>