

International Workshop on Quantitative Aspects in Security Assurance (QASA)

09:30-10:30 Invited Talk (joint with SETOP and DPM)

Speaker: *Steven Murdoch*, University of Cambridge

Title: Quantifying and Measuring Anonymity

10:30-11:00 Coffee Break

11:00-13:00 Session: Security Metrics and Evaluation

- *Leanid Krautsevich and Artsiom Yautsiukhin*: Influence of Defensive Actions on Security Metrics Values
- *Daniele Codetta-Raiteri*: Generalized Fault Trees: from Reliability to Security.
- *Vincenzo Ciancia, Ilaria Matteucci and Charles Morisset*: Quantitative Evaluation of Enforcement Strategies
- *Hanne Riis Nielson, Flemming Nielson and Kebin Zeng*: The Safety versus Security Dilemma

13:00-14:15 Lunch

14:15-15:45 Session: Quantitative Information-Flow Analysis

- *Richard Gay, Heiko Mantel and Henning Sudbrock*: An Empirical Bandwidth Analysis of Interrupt-Related Covert Channels
- *Ziyuan Meng and Geoffrey Smith*: Faster Two-Bit Pattern Analysis of Leakage
- *Robert Harrison and William Harrison*: Quantitative Analysis of Error Injection Covert Channels

15:45-16:15 Coffee Break

16:15-16:45 Session: Trust and Integrity

- *Xihui Chen, Gabriele Lenzini, Miguel Martins, Sjouke Mauw and Jun Pang*: A Trust Framework for Evaluating GNSS Signal Integrity

16:45-17:45 Panel: Risk management for IT Security

- Panelists: *Frédéric Cuppens, Fabio Martinelli (moderator), Neeraj Suri, Reijo Savola*

19:00-20:00 Pre-dinner drinks

20:00-23:00 Dinner