

## 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