

# MeSSa 2010

## Preliminary Program of MeSSa 2010 Workshop

09:00            **WELCOME**

### Session 1: Foundations of Security Measurement

- 09:00—09:25    **Towards Holistic Security Management through Coherent Measuring**  
Perttu Halonen and Kimmo Hätönen
- 09:25—09:50    **Formal Approach to Security Metrics – What does "More Secure" Mean to you?**  
Leanid Krautsevich, Fabio Martinelli and Artsiom Yautsiukhin
- 09:50—10:15    **On the Effectiveness of the Metamorphic Shield**  
Anh Nguyen-Tuong, Andrew Wang, Jason D. Hiser, John C. Knight and Jack W. Davidson
- 10:15—10:40    **Comparison of Software Design Security Metrics**  
Daniel Mellado, Eduardo Fernández-Medina and Mario Piattini
- 10:40—11:00    **COFFEE BREAK**

### Session 2: Taxonomy and Ontology-based Approaches

- 11:00—11:25    **Trust-terms Ontology for Defining Security Requirements and Metrics**  
Kieran Sullivan, Jim Clarke and Barry P. Mulcahy
- 11:25—11:50    **Towards Micro Architecture for Security Adaptation**  
Antti Evesti and Susanna Pantsar-Syvänen
- 11:50—12:15    **Towards an Abstraction Layer for Security Assurance Measurements (Invited Paper)**  
Teemu Kanstrén, Reijo Savola, Antti Evesti, Heimo Pentikäinen, Artur Hecker, Moussa Ouedraogo, Kimmo Hätönen, Perttu Halonen, Christophe Blad, Oscar López and Saioa Ros
- 12:15—12:40    **Indicator-based Architecture-level Security Evaluation in a Service-oriented Environment**  
Pablo Antonino, Slawomir Duszynski, Christian Jung and Manuel Rudolph
- 12:40—13:50    **LUNCH**

### Session 3: Specific Applications of Security Metrics

- 13:50—14:15    **Applicability of Security Metrics for Adaptive Security Management in a Universal Banking Hub System**  
Lorenzo Blasi, Reijo M. Savola, Habtamu Abie and Domenico Rotondi
- 14:15—14:40    **Secure Information Sharing between Heterogeneous Embedded Devices**  
Jani Suomalainen, Pasi Hyttinen and Pentti Tarvainen
- 14:40—15:05    **Risk Analysis of Host Identity Protocol – Using Risk Identification Method Based on Value Chain Dynamics Toolkit**  
Juha Sääskilähti and Mikko Särelä
- 15:05—15:30    **Security Measurements within the Framework of Quality Assessment Models for Free/Libre Open Source Software**  
Arne-Kristian Groven, Kirsten Haaland, Ruediger Glott and Anna Tannenberg
- 15:30—16:00    **COFFEE BREAK**

### Session 4: Panel Discussion on Future Research Directions of Security, Privacy and Trust Measurement

16:55—17:00    **CLOSING**