

SA-TTA @SAC 2013 Program

Thursday March 21, 2013

SA-TTA@SAC 2013

Track on Software Architecture: Theory, Technology, and Applications

Track chairs:

Antonio Bucchiarone, SOA Research Unit of Bruno Kessler Foundation of Trento (Italy)

Raffaella Mirandola, Dipartimento di Elettronica e Informazione, Politecnico di Milano (Italy)

Patrizia Scandurra, Engineering Department, University of Bergamo (Italy)

Session A. Architecture for Complex Software Systems

Time slot 11:10 – 12:50

Session chair: Antonio Bucchiarone, SOA Research Unit of Bruno Kessler Foundation of Trento, Italy

11.10 - 11.35

The BRICS Component Model: A Model-Based Development Paradigm For Complex Robotics Software Systems.

Authors: Markus Klotzbuecher, Nico Hochgeschwender, Luca Gherardi, Herman Bruyninckx, Gerhard Kraetzschmar, Davide Brugalì, Azamat Shakhimardanov, Jan Paulus, Michael Reckhaus, Hugo Garcia, Davide Faconti and Peter Soeten

Discussant: Wellington Manoel da Silva

11.35 – 12.00

Smart Cities Software Architectures: A Survey.

Authors: Wellington Manoel da Silva, Gustavo Henrique Rodrigues Pinto Tomas, Vinicius Cardoso Garcia and Alexandre Alvaro

Discussant: Markus Klotzbuecher

12.00 – 12.25

A Generic Framework for Deriving Architecture Modeling. Methods for Large-scale Software intensive Systems.

Authors: Zhiqiang Fan, Tao Yue and Li Zhang

Discussant: Ioanna Lytra

12.25 – 12.50

Derivation of Domain-specific Architectural Knowledge Views from Governance and Security Compliance Metadata.

Authors: Huy Tran, Ioanna Lytra and Uwe Zdun

Discussant: Tao Yue

Session B. Software Product Lines for Software Architecture

Time slot 14:10 – 15:50

Session chair: Tao Yue, Simula Labs, OSLO, Norway

14.10 – 14.35

Modeling Dynamic Adaptations using augmented Feature Models.

Authors: Jean-Baptiste L  zoray, Maria-Teresa Segarra, Antoine Beugnard and Jean-Marie Gilliot

Discussant: Piyush Diwan

14.35 – 15.00

An Infrastructure for the Life Cycle Management of Multi Product Lines.

Authors: Gerald Holl, Paul Gruenbacher, Christoph Elsner and Michael Vierhauser

Discussant: Jean-Baptiste L  zoray

15.00 – 15.25

Applying Software Product Line Engineering in Building Web Portals for Supercomputing Services.

Authors: Piyush Diwan, Patricia Carey, Eric Franz, Yixue Li, Thomas Bitterman, David E Hudak and Rajiv Ramnath

Discussant: Gerald Holl