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In agreement with  ITU-T Study Group 17 (responsible for ITU System Design Languages).



7th SAM (System Analysis and Modelling) Workshop



1st-2nd October 2012, Innsbruck, Austria

Call for Participation SAM Workshop 2012

The Systems Analysis and Modeling (SAM) workshop provides an open arena for participants from academia and industry to present and discuss the most recent innovations, trends, experiences and concerns in modeling, specification, and analysis of distributed, communication and real-time systems using System Design Languages: that is, the ITU Specification and Description Language (incl. Message Sequence Charts) and related languages such as UML, ASN.1, TTCN-3, and URN.

The SAM workshop originated from the use of languages and techniques for telecommunications applications, whereas MODELS has a background in the application of UML. However, UML is also used for telecommunications, and the languages standardized by ITU-T (ASN.1, SDL-2010, TTCN-3, URN) are also used for other applications. The 2012 MODELS conference week is a unique opportunity to attend both of these events with overlapping domains of interest.

Integration with MODELS 2012 (<http://www.modelsconference.org/>)

SAM2012 is coordinated with MODELS 2012 and shares part of the MODELS 2012 venue:

[Congress Centre Innsbruck \(http://www.cmi.at/index.php/home-1226.html\)](http://www.cmi.at/index.php/home-1226.html).

Participants need to register separately for SAM2012; this includes other MODELS workshops at no extra cost.

Register at http://models2012.info/index.php?option=com_content&view=article&id=37.

Members of the SDL Forum Society (as of 1st May 2012), ACM or IEEE Computer Society are entitled to the same discounts to SAM2012 and MODELS. See the registration link for fees.

Organizing committee

Øystein Haugen (Program Chair), SINTEF

Reinhard Gotzhein, TU Kaiserslautern

Rick Reed (SDL Forum Society Chairman), TSE

Programme committee

Daniel Amyot, Ottawa Uni.

Rolv Bræk, NTNU

Reinhard Brocks, HTW Saarland

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Reinhard Gotzhein, TU Kaiserslautern

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Øystein Haugen, SINTEF

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Michaela Huhn, TU-Clausthal

Clive Jervis, Nokia Siemens Networks

Ferhat Khendek, Concordia Uni.

Tae-Hyong Kim, Kumoh NIT

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Pedro Merino, Málaga Uni.

Tommi Mikkonen, Tampere Uni.

Birger Møller-Pedersen, Oslo Uni.

Os Monkewich, Sympatico

Gunter Mussbacher, Carleton Uni.

Ileana Ober, IRIT

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Javier Ponceña González, Málaga Uni.

Andreas Prinz, Agder Uni.

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Ina Schieferdecker, Fraunhofer Fokus

Bran Selic, Malina Software

Edel Sherratt, Aberwystwyth Uni.

Martin von Löwis, Hasso-Plattner-Institut

Thomas Weigert, Missouri Uni.

Frank Weil, Uniquesoft

Programme for SAM2012

- **Keynote 1: Models 67 Revisited**
 - Birger Møller-Pedersen (University of Oslo, Norway)
- **Test and Analysis**
 - Identification and Selection of Interaction Test Scenarios for Integration Testing
Mohamed Mussa, Ferhat Khendek (Concordia University, Canada)
 - An Approach to Specify and Analyze Goal Model Families
*Azalia Shamsaei, Daniel Amyot, Alireza Pourshahid (University of Ottawa, Canada);
Eric Yu (University of Toronto, Canada);
Gunter Mussbacher, Rasha Tawhid (Carleton University, Canada);
Edna Braun, Nick Cartwright (Transport Canada, Canada)*
- **Language enhancements**
 - Real-time Tasks in SDL
Dennis Christmann, Reinhard Gotzhein (University of Kaiserslautern, Germany)
 - Prototyping Domain Specific Languages as Extensions of a General Purpose Language
Andreas Blunk, Joachim Fischer (Humboldt-Universität zu Berlin, Germany)
- **Fuzzy subjects**
 - Behavioral Fuzzing Operators for UML Sequence Diagrams
*Martin Schneider, Jürgen Großmann (Fraunhofer FOKUS, Germany);
Nikolay Tcholtchev (FOKUS Fraunhofer Institute for Open Communication Systems, Germany);
Ina Schieferdecker (TU Berlin/Fraunhofer FOKUS, Germany); Andrej Pietschker (Siemens, Germany)*
 - Relativity and Abstract State Machines
Edel Sherratt (Aberystwyth University, United Kingdom)
- **Keynote 2: SDL for web services (to be confirmed)**
 - To be confirmed
- **Components and Composition**
 - On Deriving Detailed Component Design from High-Level Service Specification
Urooj Fatima, Rolv Braek (Norwegian University of Science and Technology, Norway)
 - Type-Safe Symmetric Composition of Metamodels
Henning Berg (University of Oslo, Norway); Birger Møller-Pedersen (University of Oslo, Norway)
- **Configuring and Product Lines**
 - Towards Correct Product Derivation in Model-Driven Product Lines
Xiaorui Zhang (SINTEF, Norway); Birger Møller-Pedersen (University of Oslo, Norway)
 - Simulation Configuration Modeling of Distributed Communication Systems
Mihal Brumbulli, Joachim Fischer (Humboldt-Universität zu Berlin, Germany)
- **Analysis II**
 - GRL Model Validation: A Statistical Approach
*Jameleddine Hassine (King Fahd University of Petroleum and Minerals, Saudi Arabia);
Daniel Amyot (University of Ottawa, Canada)*
 - Configuration-based Service Availability Analysis for Middleware Managed Applications
Ali Kanso, Ferhat Khendek (Concordia University, Canada); Maria Toeroe (Ericsson, Canada)

For the workshop the preliminary papers will be available electronically, but no paper copies will be printed. SAM2012 will continue the SAM post-event series in **LNCs** (<http://www.springer.com/lncs>).



Publishers of the proceedings for
[SAM2010](#) - [LNC6598](#); [SAM2006](#) - [LNC4320](#);
[SAM2004](#) - [LNC3319](#); [SAM2002](#) - [LNC2599](#).

Call for participation as PDF document (<http://sdl-forum.org/Events/SAM2012/SAM2012cfp.PDF>)
Web site for SAM2012 (<http://sdl-forum.org/Events/SAM2012/index.html>)