MODELS 2012 innsbruck co-located event co-sponsored by acm , IEEE and sdl Forum Society.

In agreement with ITU International Telecommunication Union 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 tele-communications, 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).

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

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Martin von Löwis, Hasso-Plattner-Institut
Thomas Weigert, Missouri Uni.
Frank Weil, Uniquesoft

Programme for SAM2012 (Hall Igls, Innsbruck Congress, Rennweg 3)

Included Coffee 10:00-11:30; Lunch 12:30-14:00; Coffee 15:30-16:00; Reception Orangerie 01 Oct 18:00

- 01 Oct 09:00-10:30 *Keynote 1: Models 67 Revisited*
  - o Birger Møller-Pedersen (University of Oslo, Norway)

- 01 Oct 11:00-12:30 *Test and Analysis*
  - o Identification and Selection of Interaction Test Scenarios for Integration Testing
    Mohamed Mussa, Ferhat Khendek (Concordia University, Canada)
  - o 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)

- 01 Oct 14:00-15:30 *Language enhancements*
  - o Real-time Tasks in SDL
    Dennis Christmann, Reinhard Gotzhein (University of Kaiserslautern, Germany)
  - o Prototyping Domain Specific Languages as Extensions of a General Purpose Language
    Andreas Blunk , Joachim Fischer (Humboldt-Universität zu Berlin, Germany)

- 01 Oct 16:00-17:30 *Fuzzy subjects*
  - o 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)
  - o Relativity and Abstract State Machines
    Edel Sherratt (Aberystwyth University, United Kingdom)

- 01 Oct 19:30-20:30 **SDL Forum Society AGM** *(see http://www.sdl-forum.org/Events/agm2012.htm)*

- 02 Oct 09:00-10:30 *Keynote 2: From Earth Quake Detection to Traffic Surveillance*
  - o Joachim Fischer (Humboldt-Universität zu Berlin, Germany)

- 02 Oct 11:00-12:30 *Components and Composition*
  - o On Deriving Detailed Component Design from High-Level Service Specification
    Urooj Fatima, Rolv Bræk (Norwegian University of Science and Technology, Norway)
  - o Type-Safe Symmetric Composition of Metamodels
    Henning Berg (University of Oslo, Norway); Birger Møller-Pedersen (University of Oslo, Norway)

- 02 Oct 14:00-15:30 *Configuring and Product Lines*
  - o Towards Correct Product Derivation in Model-Driven Product Lines
    Xiaorui Zhang (SINTEF, Norway); Birger Møller-Pedersen (University of Oslo, Norway)
  - o Simulation Configuration Modeling of Distributed Communication Systems
    Mihal Brumbulli, Joachim Fischer (Humboldt-Universität zu Berlin, Germany)

- 02 Oct 16:00-17:30 *Analysis II*
  - o GRL Model Validation: A Statistical Approach
    Jameleddine Hassine (King Fahd University of Petroleum and Minerals, Saudi Arabia);
    Daniel Amyot (University of Ottawa, Canada)
  - o 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 - LNCS6598;   SAM2006 - LNCS4320;
SAM2004 - LNCS3319;   SAM2002 - LNCS2599.

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)