Call for Papers SAM 2018

10th System Analysis and Modelling Conference

Languages, Methods, and Tools for Systems Engineering

October 15-16, 2018
Copenhagen, Denmark
http://sdl-forum.org/Events/SAM2018/index.htm

The System Analysis and Modeling (SAM) conference provides an open arena for participants from academia and industry to present and discuss the most recent innovations, trends, experiences and concerns in modeling and analysis of complex systems using ITU-T's Specification and Description Language (SDL) and Message Sequence Charts (MSC), as well as related system design languages (including but not limited to UML, ASN.1, TTCN, SysML and URN).

SAM is held every two years. SAM 2018 will be co-located with MODELS 2018 and will be held in Copenhagen, Denmark, October 15-16, 2018.

Scope and Topics

This year's edition of SAM will be under the theme "Languages, Methods, and Tools for Systems Engineering", including languages and methods standardized by the ITU-T, and domain-specific languages. Also included are software engineering technologies, such as for requirements engineering, software verification and validation, and automated code generation. Authors are therefore invited to submit papers related to this year's theme including the following non-exclusive list of topics:

- **Evolution of languages:** domain-specific languages, modular language design, language extensions, semantics and evaluation, methodology for application.
- **Model-driven development:** analysis and transformation of models, reuse approaches, verification and validation of models, systematic testing based on and applied to models.
- **System engineering models:** semantics of system models, refinement of system designs into implementations, integration of system and software design models, non-functional aspects (such as performance, quality of service, real-time aspects, security, etc.) in system models, multi-core models.
- **Industrial application and tool reports:** industrial usage reports, standardization activities, tool support and frameworks, domain-specific applicability (such as telecommunications, aerospace, automotive, Internet of Things, control, etc.). Such reports should focus on what is effective (and ineffective) in applying a technique preferably backed up by some measurements. A report should not just describe an implementation, though new application areas are of interest.

The conference programme will include:

- Presentations from invited speakers
- Presentation of research papers
- Presentation of industrial experiences
- Tool demonstrations

For general questions, please send an email to sam-2018@easychair.org

Submission policy

Submissions should be previously unpublished, written in English, no longer than 16 pages (including the illustrations and bibliography) and using the LNCS style as described on http://www.springer.com/lncs. Papers accepted or under review for other events are ineligible for submission to SAM 2018.

Submissions in the following categories are solicited:

- Full papers describing original, unpublished results (max. 16 pages in LNCS style)
- Short papers, describing work in progress (max. 8 pages in LNCS style)

Important: Electronic submission using http://www.easychair.org/conferences/?conf=sam-2018 in PDF format is mandatory. Please refer to the conference homepage for more information.

The SAM Program Committee will evaluate the technical contribution of each submission as well as its accessibility to the audience. Papers will be judged on significance, originality, substance, correctness, and clarity.

Accepted papers must be presented at SAM 2018 by one of the authors. As in previous editions, it is intended that the SAM 2018 proceedings will be published in the Springer LNCS series.

Important Dates (tentative)

- Abstract submission: June 1st, 2018
- Paper submission deadline: June 8th, 2018
- Notification of acceptance: July 20th, 2018
- Camera-ready version deadline: August 1st, 2018
- SAM Conference: October 15th – 16th, 2018

Conference Co-Chairs

Reinhard Gotzhein   University of Kaiserslautern, Germany
Ferhat Khendek   Concordia University, Canada

Technical Program Committee
Please visit http://sdl-forum.org/Events/SAM2018/index.htm

About the SDL Forum Society

The SDL Forum Society that runs the conference is a non-profit organization established by language users and tool providers to promote the Specification and Description Language (SDL), Message Sequence Charts (MSC) and related System Design Languages (including but not limited to ASN.1, TTCN, SysML and URN), to provide and disseminate information on the development and use of the languages, to support education on the languages and to plan and organize the SAM conference series and events to promote the languages.