



11th System Analysis and Modelling Conference Languages, Methods and Tools for Industry 4.0

September 16-17, Munich Germany



Call for Papers SAM 2019

11th System Analysis and Modelling Conference (incorporating the 19th SDL Forum)

Languages, Methods, and Tools for Industry 4.0

September 16-17, 2019

Munich, Germany

The System Analysis and Modelling (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 modelling 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 2019 will be co-located with MODELS 2019, held in Munich, Germany.

Scope and Topics

This year's edition of SAM will be under the theme "Languages, Methods, and Tools for Industry 4.0", 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 and 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.), with special emphasis on Industry 4.0. 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 sam2019@easychair.org



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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 2019.

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 <https://easychair.org/conferences/?conf=sam2019> 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 2019 by one of the authors. As in previous editions, the SAM 2019 proceedings will be published in the Springer LNCS series.

Important Dates

- Abstract submission: June 5, 2019
- Paper submission deadline: June 12, 2019
- Notification of acceptance: July 10, 2019
- Camera-ready version deadline: July 24, 2019
- SAM Conference: September 16-17, 2019

Conference Co-Chairs

Pau Fonseca i Casas	Universitat Politècnica de Catalunya, Spain
Maria Ribera Sancho	Universitat Politècnica de Catalunya, Spain
Edel Sherratt	University of Wales, UK



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