FORMATS 2019

17th International Conference on Formal Modeling and Analysis of Timed Systems
Amsterdam, The Netherlands (27-29 August 2019)
https://lipn.univ-paris13.fr/formats2019/

CALL FOR PAPERS

Important dates

Abstract submission deadline	~~9th~~ 20th May 2019
Paper submission deadline	~~13th~~ 20th May 2019
Notification	21st June 2019
Camera-ready	5th July 2019
Registration	TBA
Conference	27-29 August 2018

Invited speakers

Nathalie Bertrand	France
Marta Kwiatkowska	UK
Kim Larsen	Denmark

Topic

The aim of FORMATS 2019 is to promote the study of fundamental and practical aspects of timed systems, and to bring together researchers from different disciplines that share interests in modelling and analysis of timed systems and, as a generalisation, of hybrid systems. Typical topics include (but are not limited to):

Foundations and Semantics:
   Theoretical foundations of timed systems and languages; new models and logics for analysis and comparison of existing models (like automata, Petri nets, max-plus models, network calculus, or process algebras involving quantitative time; hybrid automata; probabilistic automata and logics).

Methods and Tools:
   Techniques, algorithms, data structures, and software tools for verification, synthesis, learning, online monitoring and runtime verification of timed or hybrid systems and for resolving temporal constraints (scheduling, worst-case execution time analysis, optimisation, model checking, testing, constraint solving).

Applications:
   Adaptation and specialisation of timing technology in application domains in which timing plays an important role (real-time software, embedded control, hardware circuits, biological systems, and problems of scheduling in manufacturing and telecommunications).

Format

Regular papers: 15 pages (+ references) in the LNCS format
Tool papers: 5 pages (+ references)
Publication in the Springer LNCS series
 Submission at https://easychair.org/conferences/?conf=formats2019

General chair

Jos Baeten	Netherlands

Program committee chairs

Étienne André	France
Mariëlle Stoelinga	Netherlands

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Martin Fränzle	Germany
Thomas A. Henzinger	Austria
Joost-Pieter Katoen	Germany
Kim G. Larsen	Denmark
Oded Maler *(1957-2018)*	France
Mariëlle Stoelinga	Netherlands
Lothar Thiele	Switzerland
Wang Yi	Sweden

Special sessions (NEW)
Papers submitted into special sessions will go into the same reviewing process as regular papers

1. Data-driven and stochastic approaches to real-time, including monitoring and big data (chair: Martin Fränzle)
2. Timed systems and probabilities (chair: Nathalie Bertrand)

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Program committee

Alessandro Abate	England
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David N. Jansen	China
Jan Křetínský	Germany
Didier Lime	France
Brian Nielsen	Denmark
Peter Csaba Ölveczky	Norway
Pavithra Prabhakar	USA
Karin Quaas	Germany
Pierre-Alain Reynier	France
César Sánchez	Spain
Ocan Sankur	France
Ana Sokolova	Austria
Oleg Sokolsky	USA
Jiří Srba	Denmark
Mariëlle Stoelinga	The Netherlands
Jun Sun	Singapore
Lothar Thiele	Switzerland
Enrico Vicario	Italy
James Worrell	England
Wang Yi	Sweden

FORMATS 2019 is co-organized with CONCUR 2019 and FMICS 2019
https://event.cwi.nl/concur2019/
https://fmics2019.fsa.win.tue.nl/