

## FORMATS'08 – Call for Papers

6th International Conference on Formal Modeling and Analysis of Timed Systems  
Saint-Malo, France, September 15th–17th  
<http://formats08.inria.fr/>  
(Co-located with QEST'08)

### Chair Persons:

Franck Cassez (CNRS, IRCCyN, France)  
Claude Jard (ENS de Cachan, IRISA, France)

### Programme Committee:

Eugene Asarin (LIAFA, Univ. Paris 7 and CNRS, France)  
Patricia Bouyer (CNRS, LSV, France)  
Ed Brinksma (ESI, Univ. of Twente & Eindhoven Univ. of Technology, The Netherlands)  
Franck Cassez (CNRS, IRCCyN, France)  
Flavio Corradini (Univ. Camerino, Italy)  
Deepak D'Souza (CSA, IISc, Bangalore, India)  
Martin Fränzle (Univ. of Oldenbourg, Germany)  
Goran Frehse (Univ. Grenoble 1, Verimag, France)  
Claude Jard (ENS de Cachan, IRISA, France)  
Joost-Pieter Katoen (RWTH Aachen Univ., Germany)  
Bruce Krogh (Carnegie Mellon Univ., USA)  
Salvatore La Torre (Univ. of Salerno, Italy)  
Insup Lee (Univ. of Pennsylvania, USA)  
Rupak Majumdar (UCLA, USA)  
Brian Nielsen (CISS & Aalborg Univ., Denmark)  
Joël Ouaknine (Oxford Univ., UK)  
Paritosh Pandya (TIFR, India)  
Paul Pettersson (Mälardalen Univ., Sweden)  
Jean-François Raskin (ULB, Belgium)  
P.S. Thiagarajan (National Univ. of Singapore)  
Stavros Tripakis (Cadence Research Labs and Verimag/CNRS, Berkeley, USA)  
Frits Vaandrager (Radboud Univ. Nijmegen, The Netherlands)  
Farn Wang (National Taiwan Univ., Taiwan)  
Wang Yi (Uppsala Univ., Sweden)  
Tomohiro Yoneda (NII, Tokyo, Japan)

### Steering Committee:

Rajeev Alur (Univ. Pennsylvania, USA)  
Flavio Corradini (Univ. Camerino, Italy)  
Kim G. Larsen (Aalborg Univ., Denmark)  
Oded Maler (Verimag, France)  
Walter Vogler (Univ. of Augsburg, Germany)  
Wang Yi (Uppsala Univ., Sweden)

### Invited Speakers:

Dr. Albert Benveniste (INRIA, France)  
TBA  
TBA

### Important Dates:

Submission deadline: May 12th, 2008  
Notification to authors: June 23rd, 2008  
Camera-ready version due: July 7th, 2008  
Conference: September 15th–17th, 2008

### Contact Information:

For more information: <mailto:formats08@inria.fr>  
The Formats'08 conference is organized by the INRIA  
Rennes - Bretagne Atlantique Research Centre

## Objectives and Scope of the Conference:

Timing aspects of systems from a variety of computer science domains have been treated independently by different communities. Researchers interested in semantics, verification and performance analysis study models such as timed automata and timed Petri nets. The digital design community focuses on propagation and switching delays while designers of embedded controllers have to take account of the time taken by controllers to compute their responses after sampling the environment. Timing related questions in these separate disciplines do have their particularities. However, there is a growing awareness that there are basic problems that are common to all of them. In particular, all these sub-disciplines treat systems whose behaviour depends upon combinations of logical and temporal constraints; namely, constraints on the temporal distances between occurrences of events. The aim of FORMATS 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. Typical topics include (but are not limited to):

- Foundations and Semantics: Theoretical foundations of timed systems and languages; comparison between different models (timed automata, timed Petri nets, hybrid automata, timed process algebra, max-plus algebra, probabilistic models).
- Methods and Tools: techniques, algorithms, data structures, and software tools for analyzing timed systems and resolving temporal constraints (scheduling, worst-case execution time analysis, optimisation, model-checking, testing, constraint solving, etc).
- Applications: adaptation and specialization of timing technology in application domains in which timing plays an important role (real-time software, hardware circuits, and problems of scheduling in manufacturing and telecommunication).

## Publication:

The proceedings of FORMATS'08 will be published by Springer in the Lecture Notes in Computer Science series. Papers must contain original contributions, be clearly written, and include appropriate references to and comparison with related work. Simultaneous submission to other conferences with published proceedings is not allowed. Submissions should not exceed 15 pages, and should be formatted according to Springer LNCS guidelines. If necessary, the submission may be supplemented with a clearly marked appendix, which will be reviewed at the discretion of the program committee.

## About QEST'08:

FORMATS'08 is co-located with QEST'08 (<http://www.qest.org/qest2008/>) and simultaneous registration to both conferences will be possible.