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)

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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, veriication 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 lan- guages; 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. Simultane- ous 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.