



Call for Papers

CONCUR 2010

21st International Conference on Concurrency Theory

August 31 – September 3, 2010, Paris, France

<http://concur2010.inria.fr/>

concur2010@lsv.ens-cachan.fr

Program Chairs:

Paul Gastin (Cachan, France)
François Laroussinie (Paris, France)

Invited Speakers:

Frank S. de Boer (Amsterdam, NL)
Maurice Herlihy (Providence, USA)
Holger Hermanns (Saarbrücken, Germany)
Anca Muscholl (Bordeaux, France)
Vladimiro Sassone (Southampton, UK)

Program Committee:

Martín Abadi (CA, USA)
Parosh Abdulla (Uppsala, Sweden)
Jos Baeten (Eindhoven, NL)
Steffen van Bakel (London, UK)
Julian Bradfield (Edinburgh, UK)
Luís Caires (Lisbon, Portugal)
Luca Cardelli (Cambridge, UK)
Vincent Danos (Edinburgh, UK)
Paul Gastin (Paris, France)
Daniele Gorla (Roma, Italy)
Anna Ingólfssdóttir (Reykjavik, Iceland)
Petr Jančar (Ostrava, Czech Republic)
Joost-Pieter Katoen (Aachen, Germany)
François Laroussinie (Paris, France)
Kim Larsen (Aalborg, Denmark)
Nancy Lynch (Cambridge, MA, USA)
Ugo Montanari (Pisa, Italy)
Markus Müller-Olm (Münster, Germany)
K. Narayan Kumar (Chennai, India)
Catuscia Palamidessi (Paris, France)
Prakash Panangaden (Montreal, Canada)
Wojciech Penczek (Warsaw, Poland)
Shaz Qadeer (Redmond, WA, USA)
Jan Rutten (Amsterdam, NL)
Roberto Segala (Verona, Italy)
P.S. Thiagarajan (Singapore)
Walter Vogler (Augsburg, Germany)

Steering Committee:

Roberto Amadio (Paris, France)
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Kim Larsen (Aalborg, Denmark)
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Organizing Committee:

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Olivier Serre (Paris, France)
Mihaela Sighireanu (Paris, France)

The purpose of the CONCUR conferences is to bring together researchers, developers, and students in order to advance the theory of concurrency, and promote its applications.

Topics of Interest: Submissions are solicited in all areas of semantics, logics, verification and analysis of concurrent systems. The principal topics include (but are not limited to): *Basic models of concurrency* such as abstract machines, domain theoretic models, game theoretic models, process algebras, and Petri nets; *Logics for concurrency* such as modal logics, probabilistic and stochastic logics, temporal logics, and resource logics; *Models of specialized systems* such as biology-inspired systems, circuits, hybrid systems, mobile and collaborative systems, multi-core processors, probabilistic systems, real-time systems, service-oriented computing, and synchronous systems; *Verification and analysis techniques for concurrent systems* such as abstract interpretation, atomicity checking, model checking, race detection, pre-order and equivalence checking, run-time verification, state-space exploration, static analysis, synthesis, testing, theorem proving, and type systems; *Related programming models* such as distributed, component-based, object-oriented, and web services.

Submission Guidelines: CONCUR 2010 solicits high quality papers reporting research results and/or experience reports related to the topics mentioned above. All papers must be original, unpublished, and not submitted for publication elsewhere. Contributions should be submitted electronically as PDF, using the Springer LNCS style. Papers should not exceed 15 pages in length. Each paper will undergo a thorough review process. If necessary, the paper may be supplemented with a clearly marked appendix, which will be reviewed at the discretion of the program committee.

Proceedings: The conference proceedings will be published by Springer in the LNCS series. Proceedings will be made available at the conference.

Important Dates:

Abstract Submission	April 8, 2010
Paper Submission	April 15, 2010
Notification	May 25, 2010
Final Version	June 10, 2010

There will be co-located workshops, which take place on August 30 and September 4. CONCUR 2010 will be followed by the 17th International Symposium on Temporal Representation and Reasoning (TIME 2010), which is scheduled for September 6–8, 2010, Paris, France.