



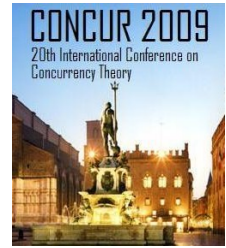
# CONCUR 2009

20<sup>th</sup> International Conference on Concurrency Theory

Bologna, Italy, September 1<sup>st</sup> – 4<sup>th</sup>, 2009

<http://concur09.cs.unibo.it>

CALL FOR PAPERS



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.

To celebrate 20 years of CONCUR the conference program will include a special session organized by IFIP WGs 1.8 Concurrency Theory and 2.2 Formal Description of Programming Concepts.

The list of invited speakers at CONCUR 09 is:

- Martin Abadi, UCSC and Microsoft Silicon Valley, USA
- Christel Baier, Technical Univ. of Dresden, Germany
- Robin Milner, University of Cambridge, UK
- Corrado Priami, University of Trento and CoSBI, Italy

Furthermore, there will be the following co-located events:

- 7th Int. Conference on Computational Methods in Systems Biology
- 6th Int. Workshop on Web Services and Formal Methods

and the following satellite workshops: Express, FMWS, ICE, Infinity, MeCBIC, SecCo, SOS, and YR-CONCUR.

The overall event will take place at the University of Bologna on August 31-September 5, 2009.

## 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:

The CONCUR 2009 conference 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. If necessary, the paper may be supplemented with a clearly marked appendix, which will be reviewed at the discretion of the program committee. Each paper will undergo a thorough process of review and the conference proceedings will be published by Springer in the LNCS series. Proceedings will be made available at the conference.

Selected papers will be invited to a special issue of the Information and Computation journal. In addition, papers relating to distributed computing will be considered for publication on the Springer Distributed Computing journal.

## Important Dates:

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

## Program Committee:

**Luca Aceto**, Reykjavik University, Iceland  
**Jos C.M. Baeten**, Eindhoven Univ. of Technology, NL  
**Michele Boreale**, University of Florence, Italy  
**Mario Bravetti**, University of Bologna, Italy (co-chair)  
**Luís Caires**, Universidade Nova de Lisboa, Portugal  
**Philippe Darondeau**, INRIA Rennes, France  
**Wan Fokkink**, Vrije Universiteit Amsterdam, NL  
**Cédric Fournet**, Microsoft Research, Cambridge, UK  
**Robert van Glabbeek**, Kensington Res. Lab., Sydney, AU  
**Matthew Hennessy**, Trinity College Dublin, Ireland  
**Holger Hermanns**, Saarland University, Germany  
**Thomas Hildebrandt**, IT Univ. of Copenhagen, Denmark  
**Jane Hillston**, University of Edinburgh, UK  
**Barbara König**, University of Duisburg-Essen, Germany  
**Francois Laroussinie**, Univ. Paris Diderot-Paris 7, France  
**Ugo Montanari**, University of Pisa, Italy  
**Uwe Nestmann**, Technische Universität Berlin, Germany  
**Manuel Núñez**, Universidad Complutense de Madrid, Spain  
**Catuscia Palamidessi**, Ecole Polytech., Palaiseau, France  
**Joachim Parrow**, Uppsala University, Sweden  
**Shaz Qadeer**, Microsoft Research, Redmond, USA  
**Julian Rathke**, University of Southampton, UK  
**Philippe Schnoebelen**, Ecole Normale Sup. Cachan, France  
**Nobuko Yoshida**, Imperial College London, UK  
**Gianluigi Zavattaro**, University of Bologna, Italy (co-chair)