



CONCUR 2012

3rd to 8th September 2012
Newcastle upon Tyne, UK

Call for Papers

<http://conferences.ncl.ac.uk/concur-2012>

23rd International Conference on Concurrency Theory

3rd to 8th September 2012, Newcastle upon Tyne, United Kingdom

CONCUR 2012 is an official event of The Alan Turing Year

<http://www.mathcomp.leeds.ac.uk/turing2012/>

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

Submissions are solicited in 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, graph transformation systems 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.

CO-LOCATED EVENTS

4th to 6th September - 21st International Workshop on Power And Timing Modeling, Optimization and Simulation (PATMOS 2012)

7th and 8th September - 7th International Symposium on Trustworthy Global Computing (TGC 2012)

3rd September - Expressiveness in Concurrency and Structural Operational Semantics (EXPRESS/SOS 2012)

3rd September - Games for Design, Verification and Synthesis (GASICS 2012)

3rd September - Hybrid Systems and Biology (HSB 2012)

3rd September - Young Researchers Workshop on Concurrency Theory (YR-CONCUR 2012)

8th September - Foundations of Coordination Languages and Self-Adaptive Systems (FOCLASA 2012)

8th September - Membrane Computing and Biologically Inspired Process Calculi (MeCBIC 2012)

8th September - Trends in Concurrency Theory and IFIP WG 1.8 Meeting (TRENDS 2012)

PAPER SUBMISSION

CONCUR 2012 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 programme committee.

Papers should be submitted electronically using EasyChair online submission system: <https://www.easychair.org/conferences/?conf=concur12>

The CONCUR 2012 proceedings will be published by Springer in the ArCoSS subseries of LNCS. The proceedings will be available at the conference.

IMPORTANT DATES

Abstract Submission: 4th April 2012

Paper Notification: 28th May 2012

Paper Submission: 11th April 2012

Camera Ready Copy Due: 11th June 2012

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Informal queries can be sent to the conference PC co-chairs