

CALL FOR PAPERS

Twenty-Seventh Annual ACM/IEEE Symposium on LOGIC IN COMPUTER SCIENCE (LICS 2012)

June 25–28, 2012, Dubrovnik, Croatia

<http://informatik.hu-berlin.de/lics/lics12>

Program Chair:

Nachum Dershowitz, *Tel Aviv University*
nachum@tau.ac.il

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vlipovac@uni.du.hr
Andre Scedrov, *Univ. of Pennsylvania*
scedrov@math.upenn.edu

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Rajeev Alur, *Univ. of Pennsylvania*
alur@cis.upenn.edu

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LICS 2012 will be hosted by the University of Dubrovnik, in Dubrovnik, Croatia, from June 25th to 28th, 2012.

The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic, broadly construed. We invite submissions on topics that fit under that rubric. Suggested, but not exclusive, topics of interest include: automata theory, automated deduction, categorical models and logics, concurrency and distributed computation, constraint programming, constructive mathematics, database theory, decision procedures, description logics, domain theory, finite model theory, formal aspects of program analysis, formal methods, foundations of computability, higher-order logic, lambda and combinatory calculi, linear logic, logic in artificial intelligence, logic programming, logical aspects of bioinformatics, logical aspects of computational complexity, logical aspects of quantum computation, logical frameworks, logics of programs, modal and temporal logics, model checking, probabilistic systems, process calculi, programming language semantics, proof theory, real-time systems, reasoning about security, rewriting, type systems and type theory, and verification.

Important Dates: Authors are required to submit a paper title and a short abstract of about 100 words in advance of submitting the extended abstract of the paper.

Titles & Short Abstracts Due:	January 6, 2012
Extended Abstracts Due:	January 13, 2012
Author Notification (approximate):	March 25, 2012
Final Versions Due for Proceedings:	April 29, 2012.

At committee discretion, authors will be asked to respond to inquiries in February or March. Deadlines are firm; late submissions will not be considered. All submissions will be electronic via <http://easychair.org/conferences/?conf=lics2012>.

Submission Instructions: Every extended abstract must be submitted in the IEEE Proceedings 2-column 10pt format and may not be longer than 10 pages, including references. \LaTeX style files are available on the conference website.

The extended abstract must be in English and provide sufficient detail to allow the program committee to assess the merits of the paper. It should begin with a succinct statement of the issues, a summary of the main results, and a brief explanation of their significance and relevance to the conference and to computer science, all phrased for the non-specialist. Technical development directed to the specialist should follow. References and comparisons with related work must be included. (If necessary, detailed proofs of technical results may be included in a clearly-labeled appendix, to be consulted at the discretion of program committee members.) Extended abstracts not conforming to the above requirements will be rejected without further consideration. There is no a priori limit on acceptances; *all quality papers will be published, regardless of popularity of topic.*

Results must be unpublished and not submitted for publication elsewhere, including the proceedings of other symposia or workshops. The program chair must be informed, in advance of submission, of any closely related work submitted or about to be submitted to a conference or journal. Authors of accepted papers are expected to sign copyright release forms. One author of each accepted paper is expected to present it at the conference.

Short Presentations: A session of short presentations, intended for descriptions of student research, works in progress, and other brief communications, is planned. These abstracts will not be published. Dates and guidelines are posted on the LICS website.

Special Events: • Invited plenary lecture by ROBERT J. AUMANN, winner of the 2005 Nobel Prize in Economic Sciences. • Two plenary sessions in honor of Alan Turing on the occasion of his centenary, featuring talks by ROBERT L. CONSTABLE, E. ALLEN EMERSON, JOAN FEIGENBAUM, and LEONID LEVIN. • Pre-conference tutorials on Sunday, June 24, by JAN WILLEM KLOP (rewriting systems) and ANDRÉ PLATZER (logic of dynamical systems). • Associated workshops on Sunday, June 24, and on Friday, June 29.

Kleene Award for Best Student Paper: An award in honor of the late Stephen C. Kleene will be given for the best student paper(s), as judged by the program committee.

Special Issues: Full versions of up to three accepted papers, to be selected by the program committee, will be invited for submission to the *Journal of the ACM*. Additional selected papers will be invited to a special issue of *Logical Methods in Computer Science*.

Sponsorship: The symposium is sponsored by the IEEE Technical Committee on Mathematical Foundations of Computing and by ACM SIGACT, in cooperation with the Association for Symbolic Logic and the European Association for Theoretical Computer Science.

Please see the LICS website <http://informatik.hu-berlin.de/lics/lics12> for further information.