

## CALL FOR PAPERS

### Twentythird Annual IEEE Symposium on LOGIC IN COMPUTER SCIENCE (LICS 2008)

June 24 – 27, 2008, Pittsburgh, Pennsylvania

<http://www.informatik.hu-berlin.de/lics/lics08/>

Colocated with the 21st IEEE Computer Security Foundations Symposium, June 23–25

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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 for submissions include: automata theory, automated deduction, categorical models and logics, concurrency and distributed computation, constraint programming, constructive mathematics, database theory, description logics, domain theory, finite model theory, formal aspects of program analysis, formal methods, higher-order logic, hybrid systems, lambda and combinatory calculi, linear logic, logical aspects of computational complexity, logical frameworks, logics in artificial intelligence, logics of programs, logic programming, modal and temporal logics, model checking, probabilistic systems, process calculi, programming language semantics, proof theory, reasoning about security, rewriting, specifications, type systems and type theory, and verification. We welcome submissions in emergent areas, such as bioinformatics and quantum computation, if they have a substantial connection with logic.

**Important Dates:** Authors are required to submit a paper title and a short abstract of about 100 words before submitting the extended abstract of the paper. All submissions will be electronic.

**Titles & Short Abstracts Due:** January 14, 2008

**Extended Abstracts Due:** January 21, 2008

**Author Notification:** March 10, 2008

**Camera-ready Papers Due:** April 7, 2008.

All deadlines are firm; late submissions will not be considered. Submission is open at <http://www.easychair.org/conferences/?conf=lics08>.

**Submission Instructions:** Every extended abstract must be submitted in the IEEE Proceedings two-column camera-ready format and may be no longer than 10 pages including reference with a font size of 10pt. The L<sup>A</sup>T<sub>E</sub>X style files are available at <http://www.cs.cmu.edu/~fp/lics08/>.

The 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 should be included. If necessary, detailed proofs of technical results can be included in a clearly-labelled appendix in the same two-column format following the 10-page extended abstract or there can be a pointer to a manuscript on a web site. This material may be read at the discretion of the program committee. *Extended abstracts not conforming to the above requirements concerning format and length may be rejected without further consideration.*

The results must be unpublished and not submitted for publication elsewhere, including the proceedings of other symposia or workshops. The PC chair should be informed of closely related work submitted to a conference or journal in advance of submission. All authors of accepted papers will be expected to sign copyright release forms. One author of each accepted paper will be expected to present it at the conference.

**Short Presentations:** LICS 2008 will have a session of short (10 minute) presentations. This session is intended for descriptions of work in progress, student projects, and relevant research being published elsewhere; other brief communications may be acceptable. Submissions for these presentations, in the form of short abstracts (1 or 2 pages long), should be entered at the LICS 2008 submission site in a time frame to be determined.

**Kleene Award for Best Student Paper:** An award in honor of the late S.C. Kleene will be given for the best student paper, as judged by the program committee. Details concerning eligibility criteria and procedure for consideration for this award will be posted at the LICS website. The program committee may decline to make the award or may split it among several papers.

**Special Issue of LMCS:** A selection of authors will be invited to submit extended and revised versions of their papers to a special issue of the journal on *Logical Methods in Computer Science* after the conference.

**Affiliated Workshops:** As in previous years, there will be a number of workshops affiliated with LICS 2008; information will be posted at the LICS website.

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