CALL FOR PAPERS

Nineteenth Annual IEEE Symposium on

LOGIC IN COMPUTER SCIENCE (LICS 2004)

July 14th – 17th, 2004, Turku, Finland

`http://www.lfcs.informatics.ed.ac.uk/lics/`

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http://www.mpi-sb.mpg.de/~hg/

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Lauri Hella
Department of Math., Stat., and Phil.
Kanslerinrinne 1
33014 University of Tampere, Finland
Email: `lauri.hella@uta.fi`

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`phil@site.uottawa.ca`

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`Alex.Simpson@ed.ac.uk`

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The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. We invite submissions on that theme. 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, domain theory, finite model theory, proof theory, formal aspects of program analysis, formal methods, hybrid systems, lambda and combinatory calculi, linear logic, logical aspects of computational complexity, logics in artificial intelligence, logical representation of knowledge, logics of programs, logic programming, modal and temporal logics, model checking, programming language semantics, reasoning about security, rewriting, specifications, type systems and type theory, and verification.

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

> **Titles & Short Abstracts Due:** January 26, 2004
> **Extended Abstracts Due:** February 2, 2004
> **Author Notification:** March 27, 2004
> **Camera-ready Papers Due:** April 25, 2004.

All deadlines are firm; late submissions will not be considered. Detailed information about electronic paper submission will be posted at the LICS website.

Submission Instructions: Extended abstracts must be submitted electronically in the IEEE Proceedings two-column camera-ready format. Each 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. Extended abstracts may be no longer than 10 pages including references, and must be formatted in the IEEE Proceedings two-column camera-ready style (IEEE style files will be accessible from the LICS website). 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. 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. 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 2004 will have a session of short (5–10 minutes) 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 2004 submission site between March 27th and April 4th, 2004. Authors will be notified of acceptance or rejection by April 17th, 2004.

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. For a submission to be eligible, the research presented in the paper must have been carried out while *all* authors were full-time students. The program committee may decline to make the award or may split it among several papers.

Affiliated Workshops: As in previous years, there will be a number of workshops affiliated with LICS 2004; 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.

Invited Speakers: The following distinguished speakers have agreed to give invited talks at LICS 2004 : Samson Abramsky (Oxford U.), Robert Harper (Carnegie Mellon University), Alexander Razborov (IAS, Princeton, and Steklov Math. Inst., Moscow), Davide Sangiorgi (U. di Bologna), Igor Walukiewicz (U. Bordeaux), and Mihalis Yannakakis (Stanford U.).

Collocated events: ICALP'04 will be collocated with LICS'04; for details see `http://www.math.utu.fi/ICALP04/`.