

CALL FOR PAPERS

Twenty-Sixth Annual IEEE Symposium on **LOGIC IN COMPUTER SCIENCE (LICS 2011)**

June 21–24, 2011, Toronto, Canada

<http://www.informatik.hu-berlin.de/lics/lics11/>

Program Chair:

Martin Grohe
Humboldt University Berlin
grohe@informatik.hu-berlin.de

Program Committee:

Eli BenSasson, *Technion, Haifa*
Patrick Baillot, *CNRS & ENS, Lyon*
Patricia Bouyer-Decitre, *ENS Cachan*
Balder ten Cate, *UC Santa Cruz*
Thierry Coquand, *Univ. of Gothenburg*
Victor Dalmau, *UPF, Barcelona*
Josee Desharnais, *Universit Laval, Qubec*
Kousha Etessami, *Univ. of Edinburgh*
Philippa Gardner, *Imperial College, London*
Rob van Glabbeek, *NICTA, Sydney*
Guillem Godoy, *UPC Barcelona*
Martin Grohe, *HU Berlin*
Martin Hofmann, *LMU Munich*
Vineet Kahlon, *NEC Labs, Princeton*
Stephan Kreutzer, *Univ. of Oxford*
Dale Miller, *INRIA, Saclay*
Leonardo de Moura, *Microsoft Research, Redmond*
Luke Ong, *Univ. of Oxford*
Benjamin Rossman, *MIT, Cambridge*
Davide Sangiorgi, *Univ. of Bologna*
Luc Segoufin, *INRIA & ENS, Cachan*
Matt Valeriote, *McMasters Univ., Hamilton*
Andrei Voronkov, *Univ. of Manchester*
Igor Walukiewicz, *Univ. of Bordeaux*
Thomas Wilke, *Univ. of Kiel*

Conference co-Chairs:

Benoit Larose, *Champlain Regional College*
larose@mathstat.concordia.ca
Matt Valeriote, *McMaster Univ., Hamilton*
matt@math.mcmaster.ca

Workshops Chairs:

Adriana Compagnoni, *Stevens Inst. of Technology*
Maribel Fernández, *King's College London*

Publicity Chairs:

Andrzej Murawski, *Oxford University*
Nicole Schweikardt, *Univ. Frankfurt am Main*

Treasurer:

Martín Escardó, *Univ. of Birmingham*

General Chair:

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

Organizing Committee:

M. Abadi, R. Alur (chair), P. Beame, M. Bonacina,
S. Buss, E. Clarke, A. Compagnoni, M. Escardo,
M. Fernández, L. Fortnow, J. Giesl, M. Grohe, J.-
P. Jouannaud, P. Kolaitis, S. Kreutzer, B. Larose,
J. Makowsky, B. Monien, A. Murawski, J. Palsberg,
A. Pitts, P. Scott, M. Valeriote

Advisory Board:

M. Abadi, S. Abramsky, Y. Gurevich, T. Henzinger,
C. Kirchner, P. Kolaitis, U. Martin, J. Mitchell,
L. Ong, L. Pacholski, G. Plotkin, A. Scedrov,
M.Y. Vardi, G. Winskel

LICS 2011 will be held at the Fields Institute on the campus of the University of Toronto in Toronto, Ontario, Canada, from June 21st to the 24th, 2011.

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 bioinformatics, logical aspects of computational complexity, logical aspects of quantum computation, logical frameworks, logic 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, 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 before submitting the extended abstract of the paper. All submissions will be electronic.

Titles & Short Abstracts Due: January 5, 2011

Extended Abstracts Due: January 12, 2011

Author Notification: March 7, 2011

Final Versions for the Proceedings: April 4, 2011.

All deadlines are firm; late submissions will not be considered.

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 \LaTeX style files will be available at <http://www2.informatik.hu-berlin.de/lics/lics11/sub-ins.html>.

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 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. 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 2011 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 2011 submission site. Dates will be posted at the LICS website.

Kleene Award for Best Student Paper: An award in honour 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: Full versions of upto 3 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 the special issue of the open-access journal *Logical Methods in Computer Science*.

Affiliated Workshops: As in previous years, there will be a number of workshops affiliated with LICS 2011; 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, the European Association for Theoretical Computer Science, and the Fields Institute.