

Call for Papers

Computational Complexity

Seventeenth Annual IEEE Conference

May 21–24, 2002

Montréal, Québec, Canada

Conference Committee

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Manindra Agrawal, Indian Inst. of
Tech. Kanpur
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Dieter van Melkebeek, U. Wisconsin
Amit Sahai, Princeton
Michael Saks, Rutgers Univ.
John Watrous, U. of Calgary

Important Dates

Submissions Due: Nov. 12, 2001
Notification: Jan. 19, 2002
Final Copies Due: Mar. 8, 2002

Local Arrangements

Pierre McKenzie, U. Montréal
complexity2002@iro.umontreal.ca
Denis Thérien, McGill

Further Information

[http://cs.utep.edu/longpre/
complexity.html](http://cs.utep.edu/longpre/complexity.html),
<http://www.CRM.UMontreal.CA/CCC>

The conference seeks original research papers in all areas of computational complexity theory. We also encourage results from other areas of computer science and mathematics motivated by topics in complexity theory.

The following list of possible topics is not exhaustive:

Complexity classes	Reducibility
Algebraic complexity	Communication complexity
Proof complexity	Complexity and logic
Interactive proof systems	Nonapproximability
Circuits and other concrete computational models	Cryptographic complexity
Kolmogorov complexity	Complexity and learning
	Quantum computation

A submission must be received by **November 12th, 2001, 5pm EST**, for consideration. The paper should not exceed 10 pages. See submission instructions on the next page.

Authors of accepted papers are expected to present their work at the conference. The program committee will determine time allocations for presentations (between 15 and 45 minutes). Conference proceedings will be published by the IEEE Computer Society. Publication in the conference proceedings does not preclude subsequent journal publication.

Joint session with STOC'02 The STOC and Complexity Program Committees decided to schedule a Joint Session for 2002. See next page for details.

Sponsors The conference is sponsored the IEEE Computer Society Technical Committee for Mathematical Foundations of Computing in cooperation with ACM SIGACT and EATCS. (Who else?)

For More Information Get more information through our complexity web site, or at this year's conference web site, both listed on the left. You may also contact the publicity chair: Luc Longpré; Computer Science Department, University of Texas at El Paso, El Paso, TX 79968, USA; E-mail: longpre@cs.utep.edu.

The next page has more details.

Computational Complexity: Additional Details

Electronic Submissions

We prefer electronic submissions. Please read the instructions at:

<http://sigact.acm.org/~coco2002/Complexity02.html>
or send email to coco2002@sigact.acm.org with subject "HELP".

Submission Guidelines

The conference has imposed a **firm** limitation of ten pages (in 11 point or larger fonts) on submissions. The ten-page limit **excludes** the following: cover page, bibliography, and technical appendices. Submissions deviating from these guidelines risk summary rejection. In your abstract (i) explain what the paper's major contributions are, (ii) convey why these contributions are interesting, and (iii) tell how these contributions relate to prior work. Use appendices to substantiate your major technical results.

Authors with no access to electronic submissions please contact the program committee chair, condon@cs.ubc.ca, (604) 822-8175, or at

Anne Condon
The Department of Computer Science
2366 Main Mall
University of British Columbia
Vancouver, B.C. V6T 1Z4

Conference paper awards

An *award* will be given to the *best paper* submitted to the conference.

In addition, the *Ron Book Prize for Best Student Paper* will be given to the best paper written solely by one or more students. An abstract is eligible if all authors are full-time students at the time of submission. This should be indicated in the submission registration message or cover letter.

For each respective award, the program committee may decline to make the award or may split it among several papers.

Joint session with STOC'02:

Abstract material which has been previously published in another conference proceedings or journal or which is simultaneously submitted to another conference with published proceedings, will not be considered for acceptance at Complexity'02.

This year, there will be an exception to this rule for submissions to the STOC Conference. In particular, the STOC and Complexity Program Committees decided to schedule a Joint Session for 2002. Authors who wish to have their abstract considered for the Joint Session should submit their abstract to both conferences and so notify both Program Committee Chairs. STOC dates are June 19–21 and the STOC submissions deadline is ????. See <http://sigact.acm.org/stoc02/>. Abstracts that are accepted for the Joint Session will appear in the STOC'02 proceedings, and a 1-page version of the abstract will appear in the Complexity proceedings. Abstracts not accepted for the Joint Session will still be eligible for acceptance for an ordinary session.

Authors are also encouraged to submit their papers to the Electronic Colloquium on Computational Complexity
(<http://www.eccc.uni-trier.de/eccc/>)

Conference Abstracts

In conjunction with the conference, contributed short research abstracts will be collected and will be made available a few days before the conference. Attendance at the conference is *not* required to submit an abstract. For more details, check the conference web site or contact the abstracts editor: William Gasarch; Dept. of Computer Science; Univ. of Maryland; College Park, MD 20742 USA; Email: gasarch@cs.umd.edu.

The Conference Site

The conference will take place on the campus of Université de Montréal, and accommodations will be available at both the University residences and a nearby hotel. There is a subway station in front of the University, which gives access to all parts of the city.