

Call for Papers

Computational Complexity

Twenty-fourth Annual IEEE Conference

<http://computationalcomplexity.org>

July 15–18, 2009

Paris, France

Conference Committee

Scott Aaronson, MIT
Eric Allender, Rutgers U.
Paul Beame, U. of Washington
Pierre McKenzie (chair), U. of
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Pavel Pudlák, Academy of Sciences,
Czech Rep.
John Rogers (publicity), DePaul U.
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Ryan O'Donnell, CMU
Alexander Razborov, U. of Chicago
Oded Regev, Tel Aviv U.
Chris Umans, Caltech
Sergey Yekhanin, Microsoft,
Mountain View

Important Dates

Submissions Due: Feb. 13, 2009
Notification: Apr. 7, 2009
Final Copies Due: May 6, 2009

Local Organizing Committee

Iordanis Kerenidis, U. Paris-Sud
Sophie Laplante, U. Paris-Sud
Frédéric Magniez, U. Paris-Sud
Adi Rosen, U. Paris-Sud
Miklos Santha, U. Paris-Sud

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
Probabilistic proof systems	Nonapproximability
Circuits and other concrete computational models	Complexity theoretic aspects of Cryptography
Kolmogorov complexity	Quantum computation
Pseudorandomness and Derandomization	Average case complexity
	Complexity and learning

A submission must be received by **February 13th, 2009, 23:59 EST**, for consideration. See the next page for format guidelines. Submission instructions will be available in the fall at the web site computationalcomplexity.org.

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.

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

More Information Get more information at the web site computationalcomplexity.org,

You may also contact the publicity chair: John Rogers, DePaul University, 243 S. Wabash, Chicago IL 60604, USA; E-mail: jrogers@cs.depaul.edu.

The next page has more details.

Computational Complexity: Additional Details

Electronic Submissions

We prefer electronic submissions. Instructions can be found at the permanent conference web site computationalcomplexity.org.

Submissions to other conferences

Material which has been previously published in another conference proceedings or journal or which is simultaneously submitted to another conference with published proceedings may **not** be submitted to Computational Complexity 2009 and will **not** be considered for acceptance. Authors **are** encouraged to submit their papers to the Electronic Colloquium on Computational Complexity (www.eccc.uni-trier.de/eccc/).

Submission Guidelines

A submission should be in single-column format, use at least 11 point font, and have standard margins and spacing between lines. Submissions may be of arbitrary length, but we encourage submission of a total of at most 25 pages and require that the first 10 pages of the submission allow the forming of a sound evaluation of the submission's merits. Later text will be considered as supplementary material and will be read at the committee's discretion only. Thus, within the first 10 pages the submission should (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.

Final Copies

The instructions for final copies will be communicated to authors of accepted papers.

Ronald V. Book Prize for Best Student Paper

This award 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. The program committee may decline to make the award or may split it among several papers.

Best Paper Award

This award will be given to the best paper submitted to the conference. This will be awarded by the program committee. The program committee may decline to make the award or may split it among several papers.

Local Arrangements

The conference will be held at the Institut Henri Poincaré, located in the Latin Quarter near the Pantheon and the Luxembourg Gardens. There will be free wireless access in the building. The area is easily accessible from the airports and train stations by public transportation (RER Station Luxembourg). There will be no designated conference hotel, however a list of nearby affordable hotels will appear at the conference web site. It is advisable to make travel and hotel reservations early since the conference is during high tourist season. There is a large number of cafes, restaurants, museums near the venue and of course all around Paris. More detailed information will be available on the conference web site.

Visas

A visa to France is waived in many cases, including for citizens of the countries of the Schengen Agreement, United States, Canada, Israel, Japan; however, it is mandatory in other cases, for example for citizens of mainland China and India. Please visit the following website for all the necessary information. If a visa is needed, we recommend that people get in touch with their local French consulate as soon as possible to see what the local procedure is. The web site is www.diplomatie.gouv.fr/en/france_159/entering-france_2045/.