

CALL FOR PAPERS

ISSAC 2002

International Symposium on Symbolic and Algebraic Computation

University of Lille I, France, July 7-10, 2002

<http://www.lifl.fr/issac2002>

ISSAC is the yearly premier international symposium in Symbolic and Algebraic Computation. It provides an opportunity to learn of new developments and to present original research results in all areas of symbolic mathematical computation. Planned activities include invited presentations, research and survey papers, poster sessions, tutorial courses, vendor exhibits and software demonstrations.

ISSAC'2002 will be held at the University of Lille I.

Important Dates

- *Deadline for Submissions:* January 7, 2002
- *Notification of Acceptance:* February 28, 2002
- *Camera-ready copy received:* March 22, 2002

Conference Topics

Topics of the meeting include, but are not limited to:

- Algorithmic mathematics. Algebraic, symbolic and symbolic-numeric algorithms. Simplification, function manipulation, equations, summation, integration, ODE/PDE, linear algebra, number theory, group and geometric computing.
- Computer Science. Theoretical and practical problems in symbolic computation. Systems, problem solving environments, user interfaces, softwares, libraries, parallel/distributed computing and programming languages for symbolic computation, concrete analysis, benchmarking, theoretical and practical complexity of computer algebra algorithms, automatic differentiation, code generation, mathematical data structures and exchange protocols.
- Applications. Problem treatments using algebraic, symbolic or symbolic-numeric computation in an essential or a novel way. Engineering, economics and finance, physical and biological sciences, computer science, logic, mathematics, statistics, education.

Instructions to Authors.

Original research results and insightful analyses of current concerns are solicited for submission. Submissions must not substantially duplicate work published or submitted for publication elsewhere. Late submissions will be rejected.

Survey articles may be suitable for submission if identified as such, they will be considered in a separate category from the research papers. Papers will be reviewed by a program committee and additional referees. Proceedings will be distributed at the symposium.

Papers must be in English and should not exceed 8 pages in the standard format for ACM proceedings, or 20 to 22 pages of text in LaTeX 12pt article style.

Electronic submission is encouraged. Please follow the ISSAC'2002 Electronic Submission Instructions at the web page

<http://www.lifl.fr/issac2002/callpaper.html>

Each paper should have an introductory section that:

- Describes the problem
- Motivates the study of the problem
- States the main results and compares them other work (including theoretical or empirical performance)
- Summarizes the original contribution

Formatting requirements will be based on the ACM Proceedings Templates. For instance in LaTeX2e you should use the `acm_proc_article-sp.cls` document class file to format your document. For additional information concerning ACM Proceedings Templates see

<http://www.acm.org/sigs/pubs/proceed/template.html>

To submit by regular mail:

Send regular mail addressed to the Program Committee Chair. Papers submitted in this way should be preferably in the ACM proceedings format or else in 12 point font, and six copies of the submission, together with fifteen copies of a one-page abstract, should be enclosed. Authors whose access to reproduction facilities is severely limited may submit a single copy of their paper.

Program Committee Chair Address:

Luis M. Pardo

Depto. de Matemáticas, Estadística y Computación

FACULTAD DE CIENCIAS

Universidad de Cantabria

Avda. Los Castros, s/n

E-39071 SANTANDER

SPAIN

Authors of accepted papers are expected to present their work at the symposium and will be required to sign the ACM copyright agreement. Some papers may be accepted for poster-session presentation; these will not appear in the proceedings. Abstracts of all posters will be distributed at the symposium. For poster submissions please consult the Call for Posters.

Notification.

Authors will be sent notification of acceptance or rejection by e-mail on or before February 28, 2002. A final copy of each accepted paper will be required by March 22, 2002. This is again a firm deadline. An author of each accepted paper must attend the Conference and present the paper, or make arrangements to have it presented.

Preparing final versions.

Formatting requirements will be based on the ACM Proceedings Templates, for instance in LaTeX2e you should use the `acm_proc_article-sp.cls` document class file to format your document.

For additional information concerning ACM Proceedings Templates see <http://www.acm.org/sigs/pubs/proceed/template.html>

Best student author award.

This award will be given to the best student author. An author is eligible if full-time student at the time of submission, this should be indicated.

Conference Committee:

General Chair: Marc Giusti

Program Committee Chair: Luis Miguel Pardo Vasallo

Local Arrangements Chair: Marc Moreno Maza

Treasurer and Registration Chair: Nicole Dubois

Proceedings Editor: Teo Mora

Exhibits: Grégoire Lecerf, Marc Moreno Maza, Renaud Rioboo

Publicity Chair and Webmaster: François Lemaire

Program Committee:

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Rob Corless

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Daniel Lazard

Teo Mora (Proceedings Editor)

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