First Announcement and Call for Papers

ISSAC'96 Zurich

International Symposium on Symbolic and Algebraic Computation

24–26 July 1996, ETH Zurich, Switzerland

Sponsored by ACM SIGSAM and ACM SIGNUM

ISSAC is an annual international symposium that provides an opportunity to learn of new developments and to present original research results in all areas of symbolic mathematical computation.

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

Algorithmic mathematics: Algebraic, symbolic, and symbolic-numeric algorithms in all areas of mathematics;

Computer science: Theoretical and practical questions in symbolic mathematical computation, including computer algebra systems and problem solving environments, programming languages and libraries for symbolic computation, user interfaces, data structures, parallel computing, software architectures, concrete analysis and benchmarking, complexity of computer algebra algorithms, artificial intelligence techniques, and code generation;

Applications: Problem treatments incorporating algebraic, symbolic or symbolic-numeric computation in an essential or novel way, including engineering, economics and finance, physical and biological sciences, computer science, logic, mathematics, statistics, and use in education.

ISSAC'96 will be held in the main building of the Swiss Federal Institute of Technology (ETH) in Zurich, Switzerland. Accomodations will be available at nearby hotels. The planned activities include invited presentations, original research papers, tutorial courses, vendor exhibits and software demonstrations. Proceedings will be distributed at the symposium.

Proposals for workshops, tutorial courses, demonstrations, panel discussions or related activities are welcomed. User-groups, editorial boards or other associations desiring meeting space during the course of the symposium are encouraged to contact the conference organizers.

Instructions to Authors: ISSAC'96 is foremost a conference for new and topical ideas of significance to the community and which deserve to be disseminated rapidly. Research results and insightful analyses of current concerns are the primary focus. Papers will be reviewed by a program committee and additional referees.

Survey articles may be suitable for submission, if clearly identified as such, and will be considered in a separate category from the research papers.

Simultaneous submission for publication elsewhere is not allowed.

Papers may be submitted either electronically or by mail. In either case, papers must be **received** no later than Monday **January 8, 1996**. Please state the contact author's name, address and telephone number, as well as fax and e-mail if available. The authors may submit additional background reference material that is not widely available.

Authors should aim for papers not exceeding 8 pages in the standard format for ACM proceedings. This corresponds roughly to 20-24 pages of text in LaTeX 12pt article style. All papers must be written in English.

Electronic submission must be either as a LaTeX file (preferred) or as a PostScript file. Papers can be sent by any of the following means:

- by e-mail with less than 80 characters per line to the Internet address `issac96@cis.udel.edu`. This option requires Postscript files to be uuencoded;
- by anonymous ftp to `louie.udel.edu [128.175.1.3]`, uploading the submission in the directory `/pub/conferences/issac96/incoming`; Also send email to `issac96@cis.udel.edu` with a notice of submission;
- by 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.

Notification of acceptance or rejection will be sent by March 11, 1996. Camera-ready copies of the final papers must be received by April 12, 1996. 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.

Further information on the symposium and the LaTeX style for the proceedings are available by the following means:

- on World Wide Web at the URL `http://www.inf.ethz.ch/ISSAC96/ISSAC96.html`;
- by e-mail, by sending mail to `issac96@cis.udel.edu` with `info` as a subject line;
- by regular mail, by sending a request to one of the organizers listed below.

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