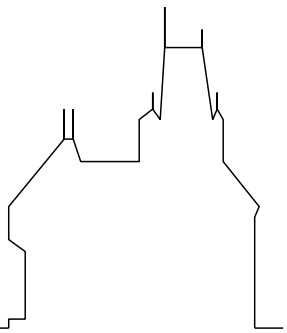
CALL FOR PAPERS

PASCO'94

First International Symposium on

Parallel Symbolic Computation

September 26 – 28, 1994 *Linz - Austria*



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Invited Speakers:

Kevin Hammond: *Parallel Functional Languages*
Claude Kirchner: *Parallel Automated Deduction*
Gert Smolka: *Parallel Constraint/Logic Languages*
Paul Wang: *Parallel Computer Algebra*

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Paper Submission and Further Information:

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Important dates:

Submission: **July 1, 1994**
Notification: **August 1, 1994**
Camera-ready: **August 31, 1994**

The First International Symposium on Parallel Symbolic Computation (PASCO'94) will be devoted to communicating significant developments in all the areas pertinent to "Parallel Symbolic Computation".

The interplay between parallelism and symbolic computation poses inspiring scientific challenges, which deserve much focused attention. However, there has not yet been a dedicated forum, and this symposium addresses the need. It is also expected that further progress can be made through the interaction between parallel symbolic algorithm designers and parallel high-level language designers. This symposium is intended to provide a framework for establishing this fruitful dialogue.

Scope: Topics include, but are not limited to: parallel algorithms, languages, software systems, and applications in any area of parallel symbolic computation such as:

- *Parallel Computer Algebra*
- *Parallel Automated Deduction*
- *Parallel Constraint/Logic Languages*
- *Parallel Functional Languages*

where parallelism is interpreted broadly to include concurrent, distributive, cooperative schemes, etc.

Scientific Program: The program will consist of invited lectures and contributed papers selected from the submissions. Software demonstrations will be scheduled on request. A panel discussion session will also be part of the program.

Publication: The proceedings of the symposium will be made available at the meeting by an international publisher. Several high quality papers will appear as a special issue of the *Journal of Symbolic Computation* (JSC), which is planned to appear in early 1995.

Submission Guideline: The manuscript must be written in English. The first page must include: the title, the authors' addresses, the abstract and a list of keywords. The introduction must consist of a brief and intuitive description of the problem tackled in the paper, its motivation and importance, the method used to solve the problem, its performance or the result, the related works and the originality claim.

Submissions must be:

- at most 10 pages long, using LaTeX format with `pasco.sty` style available by anonymous-ftp at: `ftp.risc.uni-linz.ac.at` in the directory: `/pub/pasco94/`
- sent in uuencoded-compressed PostScript or dvi, created in Unix by: `cat paper.dvi | compress | uuencode paper.dvi.Z > paper.uue`
- via e-mail to the Program Chair at: `pasco94@risc.uni-linz.ac.at`

For further information or technical assistance in preparing submissions, contact: `pasco94@risc.uni-linz.ac.at`.