

part of the tree. The details of this algorithm are given along with an explanation of the particular tree-searching problem each detail addresses.

Test results were obtained using a Sequent Balance 11000 multiprocessor with 30 processors. When searching alpha-beta game trees with sixteen processors, the PVS algorithm provides a speedup of 4.59, the EPVS algorithm provides a speedup of 5.98 and the DTS algorithm provides a speedup of 8.81.

The conclusions identify specific problem areas that must be addressed to improve these results. In particular, the sequential search must become more accurate in the nodes that it examines. Depth-first trees are inherently parallel, but the alpha-beta algorithm adds a sequential property that makes them extremely difficult to search in parallel without adding search overhead that degrades the total performance."

INFORMATION FOR CONTRIBUTORS

Contributors may be interested to know that the *ICCA Journal*, as of Vol. 10, No. 1, is a source for the Institute for Scientific Information® (ISI) for inclusion in the CompuMath Citation Index® (CMCI®), the Automatic Subject Citation Alert (ASCA®) and SCISEARCH®, ISI's on-line database. The Journal is also a source for the Information Company R.R. Bowker for inclusion in the International Serials Database which is a source for Ulrich's International Periodicals Directory and the DIALOG on-line service.

Being included in the CMCI®, the *ICCA Journal* is one of the 400 Journals in mathematics, computer science, statistics, operation research, and related disciplines which is abstracted and/or indexed and/or available as tearsheets; this means that the Journal now is accessible in (on-line) database form.

Submission of material

Contributions to the Journal are welcomed in any form, although preferably by E-mail or on a MS-DOS formatted 5.25 inch diskette. In case contributors prepare their manuscripts with high-quality wordprocessors, it should be noticed that text-files in VENTURA, TEX or TROFF format are processable directly by the Editors, thereby alleviating their task considerably.

THE JOURNAL: STAFF AND FINANCES

Attentive readers will have noted that the Editorial Board has been joined by Dr. J.W.H.M. Uiterwijk in the newly created post of Deputy Editor. Readers will no doubt wish to join the Board in welcoming Dr. Uiterwijk, who sees the expediting of the Journal's production as his main task in the Editorial team. Equally with a view to accelerating the production, intending contributors from the US or Canada are kindly requested to submit their copy in the first instance to our Associate Editor Prof. dr. T.A. Marsland, who will see them through the refereeing process.

Speeding up of the Journal's production is in a large measure due to the SWOL Foundation (Foundation for Scientific Education in Limburg) who provided the Editor-in-Chief with a voluntary grant for additional secretarial support. Its sponsorship of the Journal in this most expedient form is as gratefully acknowledged as it was gracefully given.

Last, communication go astray, we beg our readership to notice a change of the Editor-in-Chief's telephone number which now reads

+ 31 43 887477
or + 31 43 887485

Please also note that the postal address, P.O. Box 616, 6200 MD Maastricht, The Netherlands, has **not** been subject to change.