(AI EDAM)

ARTIFICIAL INTELLIGENCE FOR ENGINEERING DESIGN, ANALYSIS AND MANUFACTURING

Editor   Clive L. Dym

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(AI EDAM): Artificial Intelligence for Engineering Design, Analysis and Manufacturing is a journal intended for engineers and designers who see artificial intelligence technologies as powerful tools for handling difficult engineering problems and for research workers in artificial intelligence and computer science who are interested in applications of artificial intelligence and in the theoretical issues that arise from such applications. The Editor is particularly seeking articles that develop new and interesting applications based on the most up-to-date research in chemical, civil, industrial and mechanical (i.e. non-VLSI) engineering. Specifically, the Journal is interested in the use of artificial intelligence in planning, design, finite element analysis, simulation, spatial reasoning and graphics, process planning, optimization and manufacturing. Areas of special interest include: expert (knowledge-based) systems, including knowledge acquisition and representation, control, and system architectures; spatial reasoning and the integration of graphics and solid modelers; artificial intelligence languages and machines, including exploratory programming environments and expert system shells.

INSTRUCTIONS FOR AUTHORS

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Three (3) copies of articles, in English, should be submitted to the Editor. Research briefs and books for review should be submitted to the appropriate section editor.

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Paper should be typed in *double* spacing throughout, including tables, footnotes, references and legends to tables and figures. One side of the paper, only, should be used and there should be a margin of at least 2.5 cm all round. The position of tables and figures should be clearly indicated, in sequence, in the text. Tables, footnotes and legends to figures should be typed separately. Where it is essential for clear cross-referencing, particularly in mathematically-orientated material, paragraphs and subparagraphs may be numbered, and the decimal system should be used, i.e. 1.1.1., 1.1.2., etc. A short running title of not more than 40 characters (including spaces) should be indicated if the full title is longer than this. The name of the laboratory where the work has been carried out should be indicated on the title page and the full postal address for the despatch of proofs and offprints should be included on a separate page. Photocopies of typescripts will not be accepted for publication. For refereeing purposes only, good photocopies may be submitted. Upon acceptance of the manuscript the top copy and the original illustrations should be submitted for publication.

Abstract

An abstract will be printed at the head of all papers: this should not exceed 300 words, and should be intelligible to the general reader without reference to the main text. Abbreviations should be avoided.

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Conventions

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Reyling, G. Jr 1974. Performance and control of multiple multiprocessor systems. *Computer Design* **13,** 81–86.

Enslow, P.H. 1974. *Multiprocessors and Parallel Processing.* New York: John Wiley.

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