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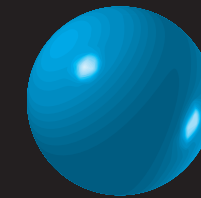
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Artificial Intelligence for Engineering Design, Analysis and Manufacturing

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AIEDAM

AI EDAM: Artificial Intelligence for Engineering Design, Analysis and Manufacturing is a journal intended to reach two audiences: *engineers and designers* who see AI technologies as powerful means for solving difficult engineering problems; and *researchers in AI and Computer Science* who are interested in applications of AI and in the theoretical issues that arise from such applications.

The journal publishes original articles about significant AI theory and applications based on the most up-to-date research in all branches and phases of engineering. Suitable topics include: analysis and evaluation; selection; configuration and design; manufacturing and assembly; and concurrent engineering. Specifically, the journal is interested in the use of AI in planning, design, analysis, simulation, qualitative reasoning, spatial reasoning and graphics, manufacturing, assembly, process planning, scheduling, numerical analysis, optimization, distributed systems, multi-agent applications, cooperation, cognitive modeling, learning and creativity. AI EDAM is also interested in original, major applications of state-of-the-art knowledge-based techniques to important engineering problems.

Areas of special interest include:

- knowledge-based systems for engineering, including knowledge acquisition, knowledge representation, and system architectures;
- theoretical work on the modeling of engineering problem-solving and design processes;
- the integration of AI-based techniques with numerical analysis tools, graphics and solid modeling packages, and engineering databases;
- distributed design, theory and application.

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