# INSTRUCTIONS FOR AUTHORS

### AIMS AND SCOPE

AIEDAM: 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 engineering applications of AI and in the theoretical issues that arise from such applications. The journal publishes significant, original articles about 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. Specific subareas include cognitive modeling; creativity; learning; qualitative reasoning; spatial reasoning; graphics and modeling; constraints and preferences; style and brands; human-computer interaction; multimodal interaction; computational linguistics; design and process planning; scheduling; simulation; optimization; distributed teams and systems; multiagent applications; design rationale and histories; functional, behavioral, and structural reasoning; knowledge management; and ontologies. AIEDAM is also interested in comprehensive review papers, as well as in practicum papers that describe original, major applications of state-of-the-art AI techniques to important engineering problems, with enough details to help others build similar systems. In addition to the rapid publication and dissemination of unsolicited research papers, AIEDAM is committed to producing special issues on important, timely topics. AIEDAM is indexed in Compendex Plus, SciSearch, Research Alert, and CompuMath Citation Index.

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## Journal or Magazine Article

Brown, D.C. (2010). AI EDAM at the cutting edge. Artificial Intelligence for Engineering Design, Analysis and Manufacturing 24(3), 281–282.

Frey, D., Birmingham, W., & Dym, C. (2010). Design pedagogy: representations and processes [Guest editorial]. Artificial Intelligence for Engineering Design, Analysis and Manufacturing 24(3), 283–284.

Knight, T., & Sass, L. (2010). Looks count: computing and constructing visually expressive mass customized housing. Artificial Intelligence for Engineering Design, Analysis and Manufacturing 24(3), 425–445.

#### Book

Dym, C.L. (1994). Engineering Design: A Synthesis of Views. New York: Cambridge University Press.

# Chapter in Edited Book

Goodman, J., Clarke, S., Langdon, P., & Clarkson, P.J. (2007). Designers' perceptions of methods of involving and understanding users. In *Universal Access in Human Computer Interaction* (Stephanidis, C., Ed.), LNCS Vol. 4554, pp. 126–136. New York: Springer.

Proceedings With Publisher Identified Strickfaden, M., & Heylighen, A. (2007). Exploring the cul-

tural capital of design educators. *Proc. Int. Conf. Engineering Design, ICED'07*. Paris: The Design Society.

# Proceedings With No Publisher Identified

Shu, L., Hansen, H., Gegeckaite, A., Moon, J., & Chan, C. (2006). Case study in biomimetic design: handling and assembly of microparts. Proc. ASME 2006 Int. Design Engineering Technical Conf. & Computers and Information in Engineering Conf., Paper No. DETC2006/DTM-99398, Philadelphia, PA, September 10–13.

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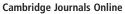
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