

Journal of Cognitive Engineering and Decision Making

Published by the Human Factors and Ergonomics Society

INFORMATION FOR CONTRIBUTORS

The *Journal of Cognitive Engineering and Decision Making* publishes research that seeks to understand how people engage in cognitive work in real-world settings and the development of systems that support that work. The journal features research on human cognition and the application of this knowledge to the design and development of system interfaces, automation, aids, and other support systems; training programs; personnel selection devices; and coordination environments for people who work in teams or groups.

Research that is conducted in both ecologically valid task simulations and in field settings is emphasized. The editors are interested in advances in the theory of cognition in naturalistic work environments, empirical results obtained from the study of decision processes, cognitive engineering and design initiatives, cognitive modeling, innovative methodologies for conducting research in simulation and natural settings, and research that addresses the role of cognitive engineering in the wider systems design enterprise.

The *Journal of Cognitive Engineering and Decision Making* features three main tracks:

- **Cognition in Context** – including naturalistic and ecological studies of domain-embedded knowledge and reasoning, cognitive task analyses, cognitive work analyses, and cognitive field research or knowledge elicitation.
- **Studies in Simulations and Synthetic Environments** – emphasizing cognitively rich environments and a reliance on domain experts working as individuals or in teams.
- **Design of Complex and Joint Cognitive Systems** – including training and support systems for individuals, teams, and complex, sociotechnical systems. Studies might involve evaluations of systems or envisioning exercises, empirical analyses capturing critical information on the impact of system designs on cognition and collaboration, and new theories and methods for integrating cognitive engineering within system design.

Submissions may include case studies, advances in theory, developments in research methods, metacognitive modeling, and empirical and experimental work capturing critical information on human cognition and on the impact of system design characteristics on the cognition and performance of individuals and teams. To propose a special issue topic, contact the Editor (cedm.journal@satechnologies.com).

Manuscript Preparation

Manuscripts should be prepared according to the *APA Publication Manual* (6th ed., 750 First St., N.E., Washington, DC 20002; 800/374-2721; <http://www.apa.org/books>). Manuscripts will not be considered for publication unless they are prepared according to these instructions.

Language: Only articles written in English will be considered.

Typing the paper: All material should be typed, double spaced, in no smaller than 10-point font on pages with one-inch margins. Each page should be labeled with the title of the paper and the page number.

Sections: In addition to the body of the manuscript, papers should include the following information: article title, name of each author and the authors' primary institution, abstract (200 words maximum), and author biographies (75 words maximum). Tables and figures should be grouped at the end of the paper. Contact information for the corresponding author should be provided, including mailing address, phone, fax, and e-mail address.

Length: Manuscripts should be no more than 30 double-spaced pages. Longer manuscripts may be considered for review articles. The title page, abstract, and author biographies do not count toward the page limit.

Format: The manuscript should be provided in a MS Word-compatible or PDF file.

Requirements

The *Journal of Cognitive Engineering and Decision Making* is a refereed journal. Authors may request a totally blind review.

Allow approximately 10 weeks for the first review. Papers that have been published elsewhere in the open literature in the same form, in any language, will not be considered or accepted. Suitably revised papers printed in the proceedings of technical meetings may be submitted for consideration.

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How to Submit

Submissions must be sent electronically via <http://mc.manuscriptcentral.com/jcedm>.

Human Factors and Ergonomics Society

HFES was founded in 1957 and is the largest non-profit association for human factors/ergonomics professionals in the world, with more than 4,300 members internationally. HFES focuses on the role of humans in complex systems, the design of equipment and facilities for human use, and the development of environments for comfort and safety. The Society holds an annual business and technical meeting each fall. Local and student chapters are active in many areas within and outside the United States. Technical interest groups sponsor newsletters, Web sites, symposia, and annual meeting technical sessions. HFES also publishes *Human Factors, Ergonomics in Design*, the *HFES Bulletin*, annual meeting proceedings, books, standards, and best practice documents.

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