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The ***Journal of Cognitive Engineering and Decision Making*** examines how people engage in cognitive work in real-world settings and how that work can be supported through the design of technologies, operating concepts and operating procedures, decision-making strategies, teams and organizations, and training protocols. Thus, the journal publishes rigorous approaches to the observation, modeling, analysis, and design of complex work domains in which human expertise is paramount and multiple aspects of the work environment may drive performance.

Manuscripts should be submitted electronically to the *Journal of Cognitive Engineering and Decision Making* via <http://mc.manuscriptcentral.com/jcedm>. See the inside back cover for more details.

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- Naturalistic and ecological studies of domain-embedded cognitive performance, including knowledge and reasoning
- Cognitive task analyses, cognitive work analyses, and cognitive field research or knowledge elicitation
- Experiments emphasizing cognitively rich environments and a reliance on domain experts working as individuals or in teams
- Design of complex and joint cognitive systems that might involve evaluations of systems or envisioning exercises, the application of computational models of human and team performance, or empirical analyses capturing critical information on the impact of system designs on cognition and collaboration
- New theories and methods for integrating cognitive engineering within system design.

Submissions should consider their impact across three components:

1. **Contribution to a target domain.** A paper focused on a target domain may change, for example, how researchers view the role of the human in their work environment, how designers frame their task of supporting this role, and the development of training protocols and decision-making strategies appropriate for the domain.

2. **Contribution to other domains.** *JCEDM* research is not limited to point solutions. Tough problems underlie our research in terms of understanding the human contribution to complex work domains and demonstrating rigorous, repeatable methods in one domain that others can apply to other domains. Some models and methods are intended to be formative, and thus the measure of the worth is whether they are systematically helpful to those designing teams, operations, training, and technologies.

3. **Contribution to theory underlying work in complex environments.** Cognitive performance in complex work environments often cannot be explained in terms of one behavior or one theory or performance at one task, or fully replicate it in a laboratory. However, submissions to *JCEDM* should demonstrate a reasonable understanding of the relevant human factors/ergonomics literature—and in return may also identify where further fundamental HF/E research is required in the lab to support further extension of the messy complexities of real operations.

Submit manuscripts online at <http://mc.manuscriptcentral.com/jcedm>.

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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: All files should be in editable format.

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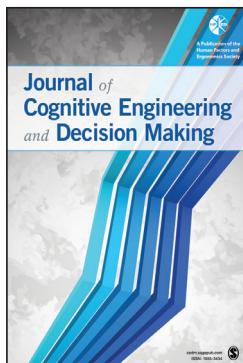
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Journal of Cognitive Engineering and Decision Making

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Editor: Jan Maarten Schraagen
TNO/University of Twente, The Netherlands

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