

International Journal of Cognitive Performance Support

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Inaugural Issue

Call for Papers

The International Journal of Cognitive Performance Support (IJCPS) is a journal dedicated to promoting research in all aspects of human and user interface interactions, with an emphasis on providing hardware and software design methodologies that enhance overall user performance. To achieve these goals, extensive collaboration from a variety of perspectives (neuroscience, psychology, computer science, engineering, and related disciplines) is required. Working within a common framework, each discipline provides a unique perspective towards identifying and solving problems within their relevant domain, ranging from human factors, affordances, user interfaces, and cognitive ergonomics. The identification and solutions to problems associated with human interface interactions must be able to address the dynamic nature of the relevant technologies - and ways of computing. In addition, issues relating to the wide ranging user population must be addressed during the *design phase* of the technology. Computer based systems must be designed from the start with the ability to adapt to a wide range of users, providing immediately evident affordances, adapting dynamically to the needs of the user in order to economise the cognitive load placed on the user.

Phenomena such as RSI, losing navigational control and conflicting task performance are often symptoms of a deeper discrepancy between the human actor and the demands from the environment. These burdens may be enhanced when the actor is influenced by special physical and/or cognitive challenges. To meet this wide range of demands placed on the successful deployment of computer based technology, special consideration must be placed on usability issues. The underlying theme here is devoted towards understanding critical design issues that will extract maximal cognitive interaction between user and interface - regardless of the experience, cognitive capacity, physical status and experience of the user. It is the goal of *IJCPS* to provide such a forum for researchers to present their findings on the full spectrum of user-interface based usability issues. We therefore solicit submissions of recent research findings which include but are not limited to the following topics:

- Cognitive ergonomics
- Task performance support systems
- Application domains for adaptive systems
- Cognitive prosthesis
- User modelling and user-centred system design
- Epistemic systems, ontologies and hermeneutics
- Assistive technologies
- Biofeedback for enhancing computer interaction
- Brain computer Interface technology relating to human computer interaction
- Cognitive engineering
- Therapeutic computer applications/games
- Wearable technologies
- Virtual and augmented reality systems
- Human factors

Submitted papers should not have been previously published nor be currently under consideration

for publication elsewhere. (N.B. Conference papers may only be submitted if the paper was not originally copyrighted and if it has been completely re-written).

All papers are refereed through a double blind process. A guide for authors, sample copies and other relevant information for submitting papers are available on the [Submission of Papers](#) web-page.

To submit a paper, please go to [Submissions of Papers](#)

AUTHORS MUST SUBMIT THEIR PAPERS THROUGH THE ONLINE SUBMISSION SYSTEM, OTHERWISE THEIR PAPERS WILL NOT BE CONSIDERED FOR PUBLICATION

All papers *must* be submitted online. If you experience any problems submitting your paper online, please contact submissions@inderscience.com, describing the exact problem you experience. Please include in your email the title of the Journal.

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Editor

Dr. Kenneth Revett

University of Westminster
School of Electronics and Computer Science
London HA1 3TP
UK
K.Revett@westminster.ac.uk