



INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES

AUTHOR INFORMATION PACK

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DESCRIPTION

The *International Journal of Human-Computer Studies* publishes original research over the whole spectrum of work relevant to the theory and practice of innovative **interactive systems**. The journal is inherently interdisciplinary, covering research in computing, artificial intelligence, psychology, linguistics, communication, design, engineering, and social organization, which is relevant to the design, analysis, evaluation and application of innovative interactive systems. Papers at the boundaries of these disciplines are especially welcome, as it is our view that interdisciplinary approaches are needed for producing theoretical insights in this complex area and for effective deployment of **innovative technologies** in concrete **user communities**.

Research areas relevant to the journal include, but are not limited to:

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- Speech interaction
- Graphic interaction
- Natural language interaction
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- Interface design and evaluation methodologies
- Design and evaluation of innovative interactive systems
- User interface prototyping and management systems
- Ubiquitous computing
- Wearable computers
- Pervasive computing
- Affective computing
- Empirical studies of user behaviour
- Empirical studies of programming and software engineering
- Computer supported cooperative work
- Computer mediated communication
- Virtual reality
- Mixed and augmented Reality
- Intelligent user interfaces
- Presence
- Intelligent tutoring, coaching and debugging systems
- Interactive decision support systems
- Agent-based computing, agent models, co-ordination and communication

- Human language technologies and machine learning in interactive systems
- Knowledge acquisition, discovery, modelling and management
- Peer to peer communication between intelligent systems
- Ontologies, knowledge technologies, semantic web systems
- **Human-Computer Interaction** theory - e.g. user models, cognitive systems

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