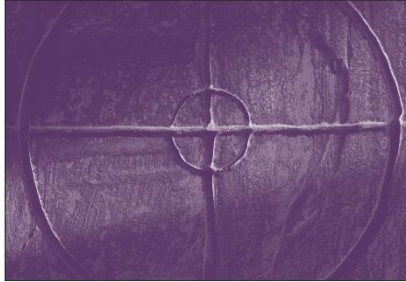


# Ambient Computing and Intelligence (IJACI)

An official publication of  
the Information Resources  
Management Association

INTERNATIONAL JOURNAL OF

## Ambient Computing and Intelligence



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In an ambient intelligence world, devices work in concert to support people in carrying out everyday life activities and tasks in a natural way using information and intelligence that is hidden in the network connecting these devices. Ambient intelligence emphasizes people and user experience and ensuring ultimately that the technology disappears into our surroundings until only the user interface remains visible to users. The **International Journal of Ambient Computing and Intelligence (IJACI)** will specifically focus on the convergence of ubiquitous computing, context, intelligent systems, networking and security. Ubiquitous computing will focus on mobility, location and the development of various ad hoc networking capabilities that exploit numerous low-cost computing devices. Intelligent systems research, which focus on learning algorithms and pattern matchers, speech recognition, gesture classification and situation assessment. Context awareness will concentrate on the tracking and positioning of objects' and people interactions with their environments. Finally, an appreciation of human-centric computer interfaces, intelligent agents, network security, indoor positioning and the social interactions of objects in environments is essential.

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### Topics Covered:

- Agent-based approaches to ambient intelligence and networks
- Analysis, design, implementation, and evaluation of ambient computing systems and environments
- Automatic configuration of applications for intelligent environments and end-user support
- Communication systems and infrastructure for ambient intelligence
- Context Awareness
- Distributed software, systems, middleware, and frameworks for ambient intelligence
- Ergonomics, interaction design, and product prototyping for ambient intelligence
- Human interaction with autonomous systems
- Interacting with ambient intelligence
- Mobile Computing
- Natural and multimodal interaction styles and user interfaces for ambient computing
- Objects, devices, and environments that embody ambient intelligence
- Pervasive informatics
- Quantum algorithms
- Quantum computation and measurement
- Quantum cryptography and communication
- Quantum information theory
- Quantum inspired soft computing
- Quantum robotics
- Security, privacy, and trust in ambient computing
- Self-adaptive systems
- Ubiquitous computing
- User-friendly multimodal spoken language dialogue systems
- Virtual Reality

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All submissions and inquiries should be directed to the attention of:  
Nilanjan Dey, [neelanjan.dey@gmail.com](mailto:neelanjan.dey@gmail.com)

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