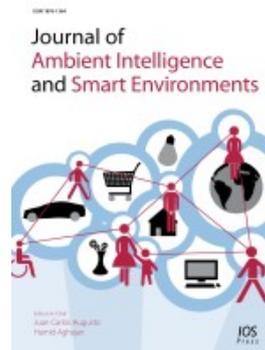


CALL FOR PAPERS

Secure and Advanced Technology for Intelligent Environments



Journal of Ambient Intelligence and Smart Environments
(I.F. 2020: 1.595)

Rationale

Intelligent Environments (IE) refer to physical spaces in which IT and other pervasive computing technology are woven and used to achieve specific goals for the user, the environment or both. IEs have the ultimate objective of enriching user experience, better manage, and increase user awareness of that environment. From a computing science perspective, IE must exploit rich combinations of small distributed sensing/computational nodes to identify and deliver personalized services to the user when they are interacting and exchanging information with the environment. This calls for new ways of interacting with users, perceiving and understanding the world, designing living spaces and living together with artificial agents. IE has a large area of applications including well-being, education, working environment, energy management, AAL, etc.

However, this spreading of IE in many areas, including the public space, must be accompanied with high security standard. Indeed, such technology can be vulnerable to attack from the outside and personal data can be recorded and used without explicit consent of the user. Solutions for increasing security, privacy, transparency and trustworthiness is thus mandatory for full adoption of such technology in our daily life. The goal of this thematic issue is to highlight state-of-the-art research that address new research challenges on adaptation, sensing, human interaction and security in intelligent environments.

Topics

We invite the submission of original technical papers on topics including but not limited to:

- Ambient intelligence
- Smart buildings
- Ubiquitous/Pervasive computing
- IE for home, work and education
- Context awareness
- Sustainable design
- Smart cities
- HCI
- Robotics
- Sensors
- Wireless sensor networks
- Virtual/Mixed reality
- Mobile and wearable computing
- Architecture and interaction design
- Design and reliability of systems
- Security and privacy requirements engineering of IE
- Privacy protection of big data in IE
- Trustworthy computing model for IE
- Security and privacy vulnerability assessment in IE

Notes for Authors

Contributions must be at least 12 pages in length. Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Conference papers may be submitted if the paper has been rewritten and expanded to at least 30% (justifications to be included in the cover letter), and, when appropriate, written permissions must have been obtained from any copyright holders of the original paper.

For preparation of your manuscript, please follow the instructions at <https://www.iospress.nl/journal/journal-of-ambient-intelligence-and-smart-environments/>, under section "Manuscript Submission & Author Instructions".

Important Dates

Submission Deadline Date: September 5th, 2021

Authors Notification Date: December 6th, 2021

Revised Papers Due Date: February 7th, 2022

Final notification Date: March 15th, 2022

Scheduled publication: May 2022

All Deadlines at 11:59pm PST

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