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Call for Papers

Special Issue on Intelligent Systems and Applications for Ambient Intelligence and Humanized Computing

A Springer Verlag publication

Editor-in-Chief: Prof. Vincenzo Loia

The Ambient Intelligence and Humanized Computing (AI&HC) is planning a special issue on **“Innovations and Practical applications of Intelligent Systems in Ambient Intelligence and Humanized Computing”**.

Ambient intelligence (Aml) goal is increasing the quality of life and security of the users by introducing the technology into everyday environment, relieving the users' burden in performing normal activities. Therefore, the Aml can be seen as the provision of services in the environment, with a very particular nuance: that these services must be personalized, i.e., tailored to the user's preferences and needs. We consistently find that the behaviour of people can effectively be used as an interaction medium with technology, i.e., it is possible to develop Aml systems that are responsive to people's behaviours.

Intelligent systems, along with the Aml, aims to include technology that is more smart, intelligent and also reliable in the environments, allowing better support for humans when interacting with these environments.



These manuscripts will be selected from those highly quality works, presented at the 2015 International Symposium on INnovations in Intelligent SysTems and Applications Conference: INISTA (www.inista.org). **The manuscripts will be judged solely on the basis of new contributions excluding the contributions made in earlier publications.** Contributions should be described in sufficient detail to be reproducible on the basis of the material presented in the paper and the references cited therein.

Topics appropriate for this special issue include, but are not necessarily limited to:

- Pervasive/Ubiquitous Computing and Applications in AI&HC
- Embedded Systems and Software in AI&HC
- Next Generation Multimedia Systems
- Dependable, Reliable and Autonomic Computing
- Embedded Smart Agents in AI&HC
- Context awareness, social sensing and inference in AI&HC
- Multi modal interaction design
- Healthcare Systems
- Virtual Humans & Virtual Worlds
- Wearables sensors and actuators
- Smart Cities
- Intelligent Sustainability.

Guest Editor(s)

David Camacho, david.camacho@uam.es, Universidad Autónoma de Madrid, Spain
Paulo Novais, pjon@di.uminho.pt, University of Minho, Portugal

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