Special Issue

Context-Aware Computing and Smart Recommender Systems in the IoT

Message from the Guest Editors

Context-aware computing describes the development of technologies and applications that can detect data from the surrounding environment and react accordingly with specific actions, reducing and simplifying the human–machine interaction process. Context changes result in a transformation of the user experience. For this reason, context-aware computing has played a key role in addressing this challenge in previous paradigms, such as mobile and pervasive computing, and is playing a crucial role in the Internet of Things (IoT) paradigm. Indeed, thanks to new technologies, a user can access large amounts of content and services with different purposes and requirements in each *context*. In this scenario, the need arises for recommendation systems that consider users' personal preferences and all the contextual aspects to recommend the right services and contents at a specific time. Keywords

- context-aware computing
- recommender systems
- Internet of Things
- smart environments
- big data
- ubiquitous computing
- wearable computing
- activity recognition

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