Advances of Sensors and Human-Centered Intelligent Systems in Education

Guest Editor:

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Message from the Guest Editor

Currently, intelligent systems have spread through the paradigm of ubiquitous computing and IoT, integrating diverse devices and sensors. We wish to analyze the main issues that arise in their design and what techniques are used to create the process of adapting the system to the user, how the data is treated, what cognitive and computational models, as well as what algorithms are used and what effectiveness they have demonstrated. This special issue has the goal of exploring the main applications of Artificial Intelligence (AI) in Education, such as Intelligent Tutorial Systems, Intelligent Teaching Systems Distributed over the Internet, Learning Analytics, Educational Datamining, Recommender Systems, among others, and intelligent systems that focus on people-centered design. Topics covered include, but are not limited to, the following:

- Intelligent system design and evaluation
- Educational mobile, ubiquitous and pervasive sensing
- Applications in education
- User modelling, personalization and recommendation
- Responsible AI and explainability
- User behavior and influence analysis
- Adaptive intelligent interfaces
- Evaluation of learning effectivity

Special Issue

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Message from the Editor-in-Chief

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