

Special Issue

Smart Education Systems Supported by ICT and AI

Message from the Guest Editors

From the experience of recent years, it seems clear that the existing education system, as a whole, is perceived as an ailing system that fails to meet the needs of a major portion of the society it serves. If we want to introduce innovation to this process, every aspect of the education process and system needs to be studied and reconsidered in the light of new and different social expectations. We must define the appropriate architecture on the basis of cognitive science, literacy and functional literacy, use of ICT and methods of artificial intelligence, while taking into account the fact that a school system is a dynamical system which follows the dynamical systems theory. An adequate architecture includes a cognitive model that adopts both information processing and the human mind's structure, and can show how to build an intelligent tutoring system and/or intelligent teaching/learning system based upon that. This Special Issue welcomes high-quality papers that report significant advances on the development and application of computational modeling, use of a learning environment based in ICT and intelligent learning systems, for problems specially connected to society.

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Deadline for manuscript submissions

closed (20 July 2023)



Applied Sciences

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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