

Special Issue

Artificial Intelligence for Complex Systems: Theory and Applications

Message from the Guest Editors

This special issue aims to provide a forum for presenting novel methods, approaches, techniques and algorithms for attaining a cross-fertilisation between the broad fields of complex systems and artificial intelligence. The transdisciplinary research that the issue focuses on will expand the boundaries of our understanding by investigating the principles and processes that underline many profound problems facing society today. Key topics of focus for this special issue include but are not limited to: **Artificial Intelligence** - data mining and knowledge discovery - machine learning and machine reasoning - data analytics and data science - data driven and knowledge driven decision making - data-based and knowledge-based systems **Complex Systems** - complex evolutionary and adaptive systems - emergent properties and behaviour in complex systems - self-organising collective systems - biologically and socially inspired complex systems - sociotechnical systems science and engineering

Guest Editors

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About the Journal

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.

Editor-in-Chief

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