Intelligent and Fuzzy Systems: Applications in Engineering and Technology

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Message from the Guest Editors

Dear Colleagues,

The topic Intelligent and Fuzzy Systems: Applications in Engineering and Technology is related to the modelling and simulation of complex interconnected processes working under uncertainty in different application areas. These complex processes can be found in a wide range of sectors including industry, environment, economy, transport, medicine and management. The commonality between these processes is that they are often unpredictable and poorly defined because of a large number of controllable and non-controllable factors, such as uncertainties and non-linearities in the environment and the inputs or the outputs. In this case, the purpose is to find effective methods for tasks such as modelling, simulation and control for complex processes. Fuzzy systems can provide this effectiveness due to their ability to capture uncertainties and non-linearities well. These methods can also be complemented with other artificial intelligence methods such as machine learning, neural networks and evolutionary algorithms for other tasks such as decision support, decision making and knowledge discovery.

Special Issue

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Message from the Editor-in-Chief

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