Special Issue

Neural Networks and Data Analytics for Sustainable Development

Message from the Guest Editors

Neural networks (NNs) are biologically inspired computational tools which are able to learn, classify or forecast data. Since an NN is robust against a noisy environment and efficient enough to solve complex nonlinear problems, it has been applied to a broad range of sciences and technologies. Thus, we expect it to also be suitable for application to achieve an equilibrium between targets of different disciplines, such as sociology, economy or ecology, and to enhance our understanding of this complex sustainability problem from a quantitative viewpoint. Also, LSTM or deep learning has largely been used recently. Together with other machine learning models, such as the Bayesian Networks or the Genetic Algorithms, these techniques are useful to analyze massive data with complex behavior, the so called Big Data. The present special issue aims to contribute to the theoretical and empirical improvement of our knowledge of climate change, environmental conservation, waste management, and other tasks of a sustainable world, by using NN.

Guest Editors

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Editor-in-Chief

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