

Special Issue

Going Smart: Integrating Artificial Neural Network in the Energy Domain

Message from the Guest Editors

Smart grids are playing an increasingly important role in the context of so-called smart environments. In the energy domain, the data are collected by the distributed intelligent elements of smart grids in the context of the Internet of Things paradigm. Possible types of learning methods used by artificial intelligence include machine learning and deep learning. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Artificial intelligence applied to the energy system
- Big data applied to the energy system
- Carbon footprint
- Deep learning applied to the energy system
- Energy consumption
- Energy demand
- Energy efficiency
- Energy forecasting
- Green communications
- Internet of Things applied to the energy system
- Machine learning applied to the energy system
- Microgrids
- Renewable energies
- Smart buildings
- Smart environments
- Smart grid

Guest Editors

Prof. Dr. Javier M. Aguiar Pérez

Department of Signal Theory and Communications and Telematics Engineering, University of Valladolid, 47011 Valladolid, Spain

Dr. María Á. Pérez Juárez

Department of Signal Theory and Communications and Telematics Engineering, University of Valladolid, 47011 Valladolid, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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