

Special Issue

Artificial Intelligence for Sustainable Energy Systems: Smart Grids, Homeostatic Control, and Distributed Resource Optimization

Message from the Guest Editors

This Special Issue is dedicated to this pressing issue and addressing the possible regulatory and engineering solutions to the negative impact on the grid's service quality standards as a result of this increasing trend, especially in developing countries. This Special Issue is dedicated to this important area of research not only for its direct link to the Smart Grid and Sustainable Energy System agenda, but also because of its economic and regulatory ramifications, which undoubtedly affect a vast and crucially determinant sector of countries' economies, namely the energy and electric power distribution sector.

- smart grid
- microgrid on-grid
- small means of distributed generation (PMGD)
- electrical energy distribution
- distributed energy resources (DER)
- service quality standards
- energy homeostasis
- sustainable energy systems (SES)

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