

Special Issue

Challenges and Research Trends of Computational Intelligence

Message from the Guest Editors

Computational intelligence (CI) has significantly evolved and reached high levels of hybridization and complexity and plays a major role in developing successful intelligent systems, including control systems and smart energy management systems. Topics of interest include, but are not limited to: CI techniques: Chaos theory; Evolutionary computing; Fuzzy computing; Hybrid intelligence computing; Morphic computing; Nature-inspired computing; Neural computing; Probabilistic computing. CI applications: Knowledge and data mining; Agents and multiagent systems; Machine learning; Ambient intelligence; Decision-making and support systems; Image processing; Robotics; Renewable energy sources; Optimization in energy systems; Energy in Healthcare; Bio-inspired systems; Biomedical engineering; Fault diagnosis and prediction in energy systems; Smart energy microgrids; Intelligent agents; Smart buildings; Power and energy; Intelligent energy consumption in smart hospitals; Intelligent forecasting models; Pattern recognition; Internet of Energy; Reinforcement learning.

Guest Editors

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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