Challenges and Research Trends of Computational Intelligence

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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.

Special Issue

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Message from the Editor-in-Chief

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