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Challenges and Research Trends of Computational Intelligence

Guest Editors:

Prof. Dr. Anastasios Dounis

Department of Biomedical Engineering, University of West Attica, Agiou Spyridonos 17, 12243 Egaleo Park Campus, Greece

aidounis@otenet.gr

Prof. Dr. Ioannis Kalatzis

Department of Biomedical Engineering, University of West Attica, Agiou Spyridonos 17, 12243 Egaleo Park Campus, Greece

ikalatzis@uniwa.gr

Prof. Dr. Pantelis Asvestas

Department of Biomedical Engineering, University of West Attica, Agiou Spyridonos 17, 12243 Egaleo Park Campus, Greece

pasv@uniwa.gr

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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.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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