Application of Neural Computation in Artificial Intelligence

Guest Editors:

Dr. Marta Chinnici
ICT Division-HPC Lab,
Department of Energy
Technologies and Renewable
Energy Sources (TERIN), ENEA
C.R. Casaccia, 00123 Roma, Italy

Prof. Dr. Pedro J. S. Cardoso
NOVA LINCS and Instituto
Superior de Engenharia (ISE),
Universidade do Algarve , 8005-
139 Faro, Portugal

Prof. Dr. João M. F. Rodrigues
NOVA LINCS and Instituto
Superior de Engenharia (ISE) ,
University of the Algarve, 8005-
139 Faro, Portugal

Message from the Guest Editors

Computational intelligence is one of the most dynamically developing fields of computer science. One of the most powerful computational intelligence tools is artificial neural networks. These are structures inspired by the biological neural networks that make up the brain. A structure of this type learns to perform tasks thanks to given examples. At present, there is extensive interest in intelligent methods in application and theoretical fields. The above is visible by witnessing the continuous introduction of newer topological structures and teaching algorithms into this scientific domain. In particular, this dynamic is visible in the field of deep learning structures and procedures. Due to their specific plasticity and scalability, a tool called "Artificial Neural Networks" can be found to be employed in a very wide range of applications.

Keywords:

- neural networks
- convolutional neural networks
- cloud computing
- nature of artificial intelligence
- nature-inspired predictions methods
- model interoperability
- machine learning
- natural language processing
- artificial neural network

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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