Artificial Neural Network Applications in Power Electronics, Communication Networks and IoT

Guest Editors:

Prof. Dr. Giacomo Capizzi
UNICT, Department of Electrical, Electronics and Informatics Engineering (DIEEI), University of Catania, 95125 Catania, Italy

Dr. Luca Di Nunzio
Department of Electronic Engineering, University of Rome Tor Vergata, 00133 Rome, Italy

Dr. Grazia Lo Sciuto
Department of Electrical, Electronics and Informatics Engineering (DIEEI), University of Catania, 95125 Catania, Italy

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Message from the Guest Editors

The rapid development of power electronics make that it is used in many fields of science and technology. Various sensors and controllers are used in power systems, communication networks and IoT. In these areas of application the use of intelligent methods to enhance the efficiency is very important. Then in this special issue all the latest innovative methods based on neural networks and in similar intelligent method are welcomed. Submissions covering neural networks and other computational intelligence methods are welcomed. However , the topics are not limited to these and any other proposals in the field related to the intelligent power electronics are welcomed too.

The topics consist in, but are not limited to, the following:

- Algorithms and methods
- Power electronics for Applied computing
- Power electronics for High performance computing
- Signal processing for power electronics
- Circuits theory for power electronics
- Application of Computational Intelligence in power electronics
- Hardware Architectures
- Wireless and sensors networks

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Special Issue

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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