

Special Issue

Fog Computing Applications in the Internet of Things: Exploiting Computational Intelligence

Message from the Guest Editors

This Special Issue is devoted to collecting papers on novel and efficient computational intelligence solutions for these low-latency and green applications, and novel communication/networking paradigms, in order to meet specific configurability, adaptability, flexibility and energy/spectrum-efficiency constraints. This Special Issue solicits papers that include, but are not limited to the following topics:

- Networked computing architectures and infrastructures for fog computing
- Energy efficient solutions for fog computing
- Joint optimization of distributed communication and computing resource management in fog computing
- Standardization of fog computing architectures
- Machine and deep learning for fog and edge computing
- Fog-enabled social networks of IoT devices
- Isolation, vulnerability and risk analysis for fog over IoT applications
- Cognitive fault detection and diagnosis
- Cyber physical fog-supported IoT systems
- Fog-aided big data streaming
- Vehicular fog computing
- Applications/architectures for fog-IoT-supported industry 4.0
- Description of ongoing research projects on fog-IoT topics
- Field trials and demo

Guest Editors

Dr. Michele Scarpiniti

Dr. Francesco Chiti

Dr. Manuel Roveri

Dr. Daniele Tarchi

Deadline for manuscript submissions

closed (15 March 2020)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/19635

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)