





an Open Access Journal by MDPI

Intelligent Algorithms for 5G and 6G Wireless Communication Systems

Guest Editors:

Prof. Dr. Haruna Chiroma

College of Computer Science and Engineering, University of Hafr Al Batin, Hafar Al Batin 39524, Saudi Arabia

Prof. Dr. Nasir Faruk

Faculty of Natural and Applied Sciences, Sule Lamido University, P.M.B 048, Kafin Hausa, Jigawa State, Nigeria

Dr. Ibrahim Hashem

College of Computing and Informatics, Department of Computer Science, University of Sharjah, Sharjah 27272, United Arab Emirates

Deadline for manuscript submissions:

closed (20 July 2023)

Message from the Guest Editors

Topics of interest includes but not limited to:

- Swarm optimization algorithm in hybrid 5G services;
- Population-based algorithms in 5G fixed wireless;
- Bio-inspired algorithms for 5G heterogeneous networks;
- Nature-inspired algorithms for 5G IoT networks;
- Internet of medical things;
- Natural algorithms for 5G cyber physical systems;
- Evolutionary/deep learning in path loss modelling;
- Expert systems for 5G and 6G;
- Artificial intelligence for 5G- and 6G-based smart cities, sustainable cities and urban computing;
- Physics- and chemistry-based algorithms in Modulation for 5G:
- Intelligence techniques for Unmanned Aerial Vehicle (UAV)-nased solutions for 5G and beyond;
- Fusing blockchain technology in quality of service;
- Optimization algorithms for 5G channel models;
- Deep learning for 5G-based internet of vehicles;
- Neural networks and swarm-based algorithms for slicing;
- Artificial intelligence for 5G ultra-dense networks;
- Intelligent algorithms for 5G mobile robots;
- Genetic algorithms for 5G MIMO;
- Nature-inspired algorithms for 6G.











an Open Access Journal by MDPI

Editor-in-Chief

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

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

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us