Special Issue

ML-Based Cognitive Network Management: For Better 6G Applications

Message from the Guest Editors

A cognitive network (CN) is a system that employs cognitive processes to analyze the current condition, make a decision based on such findings, and then improve from such actions.

In general, AI and Machine Learning (ML) may help to realize and optimize 6G network applications. The use of machine learning techniques in 6G wireless communication networks has stimulated concern. Cognitive or flexible spectrum allocation systems enable intelligent, adaptive wireless connections that coexist with existing wireless networks and allow access anytime, anywhere. Cognitive radio devices constantly monitor their surroundings and access spectral range non-intrusive, decentralized manner. Machine learning-based algorithms and models can help with wireless network analysis and resource management and handle the growing volume of communication and processing emerging networking applications require.

We're searching for papers highlighting ML-based cognitive network management for better generation and unique features that will enable developing technology and make the generation safer and wealthier.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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