Special Issue

Advanced Technologies of Artificial Intelligence in Signal Processing

Message from the Guest Editors

While science and technology are being deployed, both industry and academia have started to look into wireless communication, radar, computing, and control, especially those supported by artificial intelligence (AI) such as intelligent signal processing. The performance of such applications depends on the trade-off between information transmission, storage, and processing. Therefore, the convergence of intelligent wireless communication, computing, radar, and control becomes of paramount importance. Moreover, intelligent signal processing techniques should be flexible enough to meet the requirements of different verticals in terms of, Artificial intelligence has gradually been applied in radar, communication, and statistical signal processing to effectively improve the efficiency, speed, and intelligence. Potential topics include, but are not limited to:

- Deep learning/machine learning on signal processing
- AI in wireless communications and satellite communications
- AI in radar signal processing
- AI application in wireless caching and computing
- AI application in computer network
- Advances in AI and its applications in information security and control

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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 guestedited by leading experts in selected topics of interest.

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