Special Issue

Deep Reinforcement Learning in Communication Systems and Networks

Message from the Guest Editors

Recently, DRL algorithms have been developed to address communication system and network problems to tackle complex optimization tasks that cannot be solved efficiently with traditional optimization techniques. For example, wireless networks represent a complex dynamic environment, where the efficient use of spectrum utilization, power control, interference coordination and beamforming is needed to cope with the increasing demand of a large number of devices and higher data rates in future communication systems. This Special Issue invites prospective authors to submit original contributions regarding applications of deep reinforcement learning algorithms, with a specific focus on communication systems and networks.

- deep reinforcement learning
- communications
- wireless networks
- 5G/6G
- spectrum access
- intelligent reflecting surface
- Internet of Things (IoT)
- heterogeneous networks (HetNets)
- unmanned aerial vehicle (UAV)
- vehicular ad hoc networks

Guest Editors

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Deadline for manuscript submissions

closed (30 March 2024)

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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