



## Artificial Intelligence for Wireless Communications in Networks of Autonomous Agents

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Deadline for manuscript  
submissions:

**closed (20 December 2021)**

### Message from the Guest Editors

This Special Issue will host papers dealing with the adoption of AI for improving wireless communications when networks of autonomous agents, e.g. vehicles or moving robots (including UAVs), are employed.

Potential topics include, but are not limited to:

- Intelligent communication and coordination protocols
- Machine learning for communication in dynamic networks (e.g., vehicle-to-everything (V2X), unmanned aerial vehicle-to-everything (U2X))
- Machine learning for edge intelligence
- AI techniques for ultra-reliable and low latency communications (URLLC)
- AI techniques for massive machine type communication (mMTC)
- Enhanced connectivity in distributed networks of mobile agents
- PHY and MAC advanced cooperative techniques for autonomous driving or navigation
- Radio resource management
- Interference management
- Self-formation and control for swarms of robots (e.g., UAVs)
- Radio environment awareness enhanced by AI
- Safety, security and privacy in networks of autonomous agents
- Trials, test-beds and experimentation





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## Editor-in-Chief

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## 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.

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