

Special Issue

Radio Frequency AI/ML (RF AI/ML) for Wireless Spectrum Sensing and Awareness

Message from the Guest Editors

In recent years, the rapid growth in AI/ML technologies in other modalities (images, text, audio, video, etc.) has led to an increased interest in these technologies for use in the radio frequency domain. While this field of research is becoming ever more popular, primarily due to its promise in solving commercial spectrum scarcity issues and its inherent importance in military communications, a vast majority of the research to date has been focused on the transfer of these technologies/solutions directly to RF applications. In this Special Issue, we will collate original research on recent advances, technologies, solutions, applications, and challenges in the field of radio frequency spectrum sensing and awareness that go beyond transfer learning and investigate novel research from an RF-domain-centric perspective. Potential topics include, but are not limited to, the following:

- RF AI/ML Applications
- RF AI/ML Datasets
- RF AI/ML Security
- RF AI/ML Trust

Guest Editors

Dr. William Headley

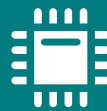
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Deadline for manuscript submissions

1 September 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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