

Special Issue

Advances in Cognitive Radio and Cognitive Radio Networks

Message from the Guest Editors

This Special Issue aims to provide a platform for researchers and industry experts to share their insights and advancements, promoting collaboration and innovation in the field. The purpose of this Special Issue is to report on the latest achievements and progress in the theories, methodologies, and applications of cognitive radio and cognitive radio networks, including, but not limited to, the following:

- Spectrum sensing and dynamic spectrum access techniques.
- Interference management and mitigation strategies.
- Security challenges and solutions in cognitive radio networks.
- Integration of AI and machine learning for intelligent decision-making in CRNs.
- Energy-efficient protocols and green communication solutions.
- Deployment of CRNs for 5G and beyond wireless systems.
- Cognitive radio applications in IoT and smart environments.
- Challenges and innovations in hardware implementation for CRNs.

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About the Journal

Message from the Editor-in-Chief

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 guest-edited by leading experts in selected topics of interest.

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