



CALL FOR PAPERS

ICFDCRNR 2021
Jun 03-04, 2021
New York, USA

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICFDCRNR 2021 : International Conference on Future Directions in Cognitive Radio Network Research is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Future Directions in Cognitive Radio Network Research. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Cognitive radio and networks
Challenges and issues in designing cognitive radios and cognitive radio networks
Architectures and building blocks of cognitive radio networks
Spectrum sensing, measurements and statistical modeling of spectrum usage
Waveform design, modulation, interference aggregation, and mitigation for cognitive radio
Distributed cooperative spectrum sensing and multiuser access
Cognitive medium access control, interference management, and interference modeling
Dynamic spectrum sharing
Handoff and routing protocols
Resource allocation for multi-antenna based cognitive radio communications
Energy-efficient cognitive radio communications and networking
Self-configuration, interoperability and co-existence issues
Distributed adaptation and optimization methods

Machine learning techniques for cognitive radio systems
Architecture and implementation of database-based cognitive radio networks
Cooperative and coordinated communications
Economic aspects of spectrum sharing in cognitive radio networks
Regulatory policies and their interactions with communications and networking
Privacy and security of cognitive spectrum-agile networks
Attack modeling, prevention, mitigation, and defense in cognitive radio systems
Physical-layer secrecy in cognitive networks
Modeling and performance evaluation
Quality of service provisioning in cognitive radio networks
Applications and services
Cognitive radio standards, test-beds, simulation tools, and hardware prototypes

