

Special Issue

Advances in Hybrid Radio Frequency (RF) and Optical Wireless Communication (OWC) Systems

Message from the Guest Editors

The purpose of this Special Issue is to showcase contributions that address fundamental and practical challenges for the efficient design, analysis, and evaluation of hybrid RF-OWC networks. We would like to invite you to submit original papers, case studies, and reviews that address the challenges and potential of hybrid wireless networks. The topics relevant for this Special Issue include (but are not limited to) the following:

- Network structure design, technical enablers, and business models
- Experimental demonstrations and prototyping
- Mobility-aware access point selection and load balancing
- Multi-user access and handover techniques
- Hybrid MIMO and massive MIMO
- Physical layer security design and evaluation
- Machine learning-enabled physical layer design and re-configuration
- The integration of intelligent reconfigurable surfaces with hybrid networks
- Integration of THz and mmWave communications
- Integration of multiple access techniques with hybrid networks
- Hybrid RF/FSO backhaul in UAV-assisted cellular networks
- Hybrid RF/FSO non-terrestrial networks
- Simultaneous lightwave and RF power transfer

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Deadline for manuscript submissions



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About the Journal

Message from the Editor-in-Chief

Network provides full coverage of all topics of interest involved in the networking area. The purpose of this journal is to bring together researchers, engineers, and students from academia and industry to present novel ideas and solid research about the theoretical and practical aspects in the application domains of communications and networks. The primary focus of the journal is on the analysis, modeling, design, simulation, and implementation of networks. This journal will also serve to attract research concerning applying networking architectures and scenarios to emerging research topics such as Internet of Things (IoT), edge computing, distributed ledger technology, among others.

Editor-in-Chief

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