

Special Issue

Radio Access Network Planning and Management

Message from the Guest Editors

This Special Issue aims at collecting contributions concerning 5G and beyond RAN planning and management. Potential authors are invited to submit manuscripts on topics including but are not limited to the following:

- ML and big data for RAN management;
- Self-organizing networks evolution;
- AI/ML-driven coverage, capacity, frequency planning;
- Data-driven fault detection, diagnosis and prediction;
- Deep and reinforcement learning for RAN planning;
- AI/ML-driven C-RAN management;
- Softwarized, virtualized RAN management;
- Capacity planning for mobile edge computing;
- Open-source RAN planning and optimization tools;
- Planning and management of non-public networks;
- Small Cells and Indoor network planning;
- Access backhaul integration and planning;
- Ultra-dense networks planning;
- RAN slicing design and optimization;
- Advanced spectrum planning and management;
- RAN management using geo-localized data;
- Innovative architectures for intelligent RAN;
- Multi-tenant, multi-vendor, multi-RAT management;
- Intent, policy-based RAN management;
- E2E performance evaluation for RAN management;
- Economic aspects of RAN planning and operations.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



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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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