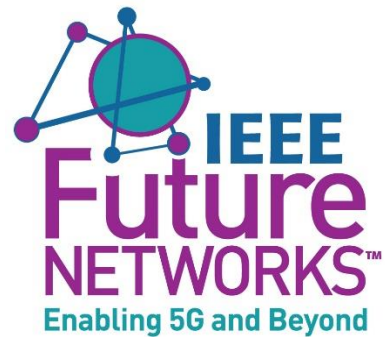


Call for Papers

IEEE Future Networks Series on 5G and Beyond Technologies (5th Issue)

The fifth-generation (5G) and beyond networks continue to emerge through evolved technologies that support massive users connectivity and multigigabits downloading speeds. The 5G is a service-based network that requires efficient selection of sliced architectures considering connected end-user and requested standard slice type. The key advances over previous generations include spectrum extensions using new radio (NR) technologies, multi-interface access, orchestrated operations driven by network function virtualization (NFV) and software-defined networking (SDN), etc. Those technical evolutions will improve the resource availability and system scalability in response to dynamic changes in traffic. Considering a technology road-map for development, IEEE Future Networks is sponsoring this series of special issues to publish new papers on the state-of-the-art research material that convey new concepts and results in tutorial style. The selected papers will mark the millstones for 5G findings and trails in view of end-to-end system features. Authors are invited to submit original manuscripts on topics including, but not limited to:

- Physical layer developments in 5G and beyond
- Resource allocations for ultra-dense networks
- Interoperability between licensed and unlicensed bands
- Dense small cell deployments for edge device connectivity
- Time alignment for dual- and multi-transmission
- Millimetre wave band and massive MIMO
- Network slicing and topology managements
- Service type analysis: uRLLC, eMBB, mMTC
- C-RAN and network function virtualization
- 5G core network and service -based architecture
- Network hierarchy and mobile edge computing
- Software defined networking
- Distributed mobility management and network intelligence
- Network stability, control and optimization
- Integration of various services and tools
- Data centres and load provisioning
- Vertical application of 5G: smart grid, V2X, etc.
- Performance evaluation of testbeds and trials
- Internet of Things (IoT) and support for massive connectivity
- Innovative applications and services facilities by 5G
- Visions for Beyond 5G technologies
- Standardization activities by IEEE, 3GPP and ETSI



Submission Guidelines:

Authors should submit their manuscripts following the IEEE VTM guidelines at <http://www.ieeevtc.org/vtmagazine/submission.php>

Authors should submit a PDF version of their complete manuscripts to <http://mc.manuscriptcentral.com/vtm-ieee> according to the following schedule:

Important Dates:

- **Manuscript Submission:** 01 March 2019
- **First Revisions/Reject Notification:** 01 June 2019
- **Submission for second round of reviews:** 01 July 2019
- **Notification of Acceptance:** 15 Aug 2019
- **Final Manuscript Due:** 01 Sept 2019
- **Publication:** Dec 2019

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