



CALL FOR ARTICLES

IEEE Vehicular Technology Magazine IEEE 5G Initiatives Special Issue on 5G Technologies and Applications



From spectrum extensions using new radio (NR) technologies and multi-interface access points to network softwareization driven by network function virtualization (NFV) and software-defined networking (SDN), the 5G communications continue to emerge through evolved technologies and new models of cellular operations.

Those changes in network architecture and data management will improve the resource availability and system scalability for future 5G networks. Considering a technology road-map for development, the IEEE 5G Initiative Series will be publishing articles on the state-of-the-art research material that are tutorial presented in a tutorial or survey style but also conveys new concepts and results to mark the milestones of 5G evolution.

The selected articles will cover a wide range of topics in general issues and feature topics in special issues to help readers and experts to get through understanding of 5G end-to-end communication features. Authors are invited to submit original manuscripts on topics including, but not limited to:

Targeted and localized resource allocations	IP services over RAT such as VoLTE, VoWiFi, and IMS
Coexistence of unlicensed spectrum users	Use cases for integrating LTE-LAA and grid networks
Interoperability between licensed and unlicensed bands	Wireless Communication access for grid modernization
Control schemes for time alignment in dual transmission	Distributed system communication infrastructure
Dense small cell deployments for edge device connectivity	Network stability, control and optimization
Resource allocations for dual/multi-connectivity schemes	Integration of various services and tools
Millimetre wave band and massive MIMO	Connected vehicles and remote data access
Distributed antenna system	Data centres and load provisioning
Next generation core network and topology managements	Performance evaluation of testbeds and trials
Network function virtualization	Internet of Things (IoT) related load management
Software defined networking	Standardization activities by IEEE, 3GPP and ETSI

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>

Important Dates

Submission Deadline: **1 May 2018**
First Editorial Decision: **1 July 2018**
Acceptance Notification: **1 August 2018**
Final Manuscript Due: **1 September 2018**
Publication: **December 2018**

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