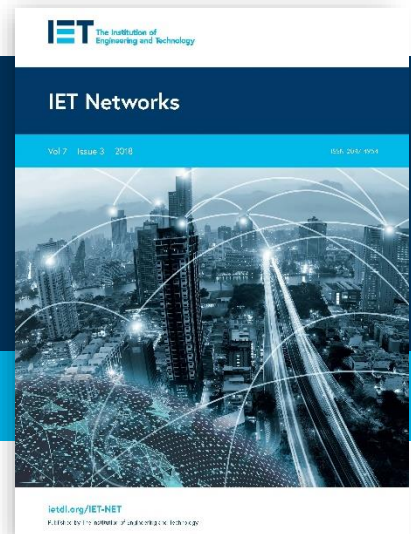


## IET Networks

# Call for Papers

**Submission Deadline:** 30<sup>th</sup> June 2023 | **Publication Date:** March 2024

Editor-in-Chief: Christoph Sommer, TU Dresden, Germany



## Special Issue on:

## Unfolding the Potential of 5G Technologies for Future Wireless

With the recent advancements of mobile Internet and smart phones, data traffic grows exponentially in the current mobile communication systems while demands on latency, robustness, and energy efficiency tighten. 5G promises to meet these demands and is currently attracting extensive research interest from both industry and academia.

Corresponding standardization and field deployments of 5G have been conducted, yet there are many challenges that need to be resolved which are brought with the 5G mobile networks, such as those surrounding software defined wireless networks, big data and IoT in 5G, energy efficiency and spectral efficiency, or interference mitigation and resource management. The aforementioned technologies need to be further researched to support 5G and future wireless networks.

This Special Issue encourages high quality papers that advance the state-of-the-art and practical applications of 5G technologies. This Feature Topic will bring together academic and industrial researchers to identify and discuss the major opportunities and challenges in applying 5G technologies to the understanding and designing of modern network systems.

Topics of interest include, but are not limited to:

- LTE-U, Self-Organizing Networks
- Cloud-RAN, Fog-RAN
- Mobility Management
- Network function Virtualization (NFV) and Software-defined networking (SDN), Network slicing
- Interaction of 5G with Intelligent IoT
- 5G architectural designs -Backhaul/Fronthaul in 5G Networks
- Big Data in 5G
- 5G advancements in VANETs
- Massive MIMO
- mm WAVE

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South Korea  
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Air University, Pakistan  
E: [awais.ahmad@mail.au.edu.pk](mailto:awais.ahmad@mail.au.edu.pk);  
[awais.editor@gmail.com](mailto:awais.editor@gmail.com)

**Abdellah Chehri**  
University of Quebec at Chicoutimi, Canada  
E: [achehri@uqac.ca](mailto:achehri@uqac.ca)

**Shiping Wen**  
University of Technology Sydney,  
Australia  
E: [shiping.wen@uts.edu.au](mailto:shiping.wen@uts.edu.au)