



*IoT*



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## 5G Mobile Communication for Intelligent Applications

Guest Editor:

**Dr. Morshed U. Chowdhury**

School of Information  
Technology, Faculty of Science,  
Engineering and Built  
Environment, Deakin University,  
Geelong, VIC 3220, Australia

Deadline for manuscript  
submissions:  
**closed (31 December 2023)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue calls for high-quality unpublished research works on recent advances related to the application and deployment of AI-enabled, 5G-driven mobile networks. Open research problems, performance evaluation, and comparisons with existing solutions, theoretical as well as experimental studies, and use cases enabled by recent advances in 5G mobile communications are encouraged. High-quality review papers are also welcomed.

Potential topics include but are not limited to the following:

- Theoretical approaches and methodologies for AI-enabled 5G networks;
- AI for 5G network management;
- AI-based security applications in 5G networking;
- AI-enabled dynamic network slicing;
- AI-enabled security methods for IoT, SDN, NFV;
- AI-based network authentication approaches;
- Energy-efficient network operation in the IoT;
- AI to address heterogeneity in 5G networks.

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**Special** Issue