Special Issue

Next Generation Internet of Things: Architectures, Requirements & Applications

Message from the Guest Editors

This Special Issue will cover a wide range of research challenges and trends related to NG-IoT architectures, requirements and applications. Researchers are invited to submit novel contributions in, but not limited to, the following topics:

- NG-IoT reference architectural models;
- NG-IoT testbeds, paradigms, and applications;
- Fifth generation (5G) technologies and NG-IoT;
- Software-defined networking (SDN) developments and applications in NG-IoT;
- Network function virtualisation (NFV) orchestration in NG-IoT;
- Artificial intelligence (AI) on the edge;
- Digital twins and tactile IoT;
- NG-IoT privacy and security frameworks;
- Traffic engineering, quality-of-service (QoS), and quality-of-experience (QoE) optimisation in NG-IoT;
- Blockchain applications for NG-IoT;
- Energy-efficiency applications in NG-IoT;
- NG-IoT applications in healthcare and medicine applications;
- NG-IoT applications in industrial applications;
- NG-IoT applications for precision agriculture, food safety and quality.

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Deadline for manuscript submissions

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