# New Challenges in Internet of Things and Cloud-Fog-Edge Computing

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Deadline for manuscript submissions:
**closed (15 April 2024)**

## Message from the Guest Editors

Dear Colleagues,

The growing adoption of interconnected smart devices has led to the development of the Internet of Things. The peculiarities of smart devices from computers have necessitated the development of substantial innovations in various areas of ICT related to the use of smart devices.

However, many limitations exist in various application environments. Therefore, this Special Issue seeks high-quality submissions highlighting emerging solutions in the Internet of Things, Cloud Computing, Fog Computing, and Edge Computing. In particular, this Special Issue covers, but is not limited to, the following topics:

- Design, models and specifications of IoT and cloud-fog-edge computing systems;
- Challenges and opportunities of IoT and cloud-fog-edge computing;
- Innovative protocols and systems for device-to-cloud communication;
- Facing high latency, network congestion, and loss of reliability;
- Improving SLA, QoS, and QoE;
- Efficient energy management;
- Disruptive applications;
- IoT devices and edge nodes security (e.g., authentication, access control, cyber-physical security);
- Privacy issues and solutions;

Special Issue

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## Message from the Editor-in-Chief

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