Special Issue

Software Engineering for IoT: Latest Advances and Prospects

Message from the Guest Editor

The Internet of Things (IoT) is one of the key engines of the digital transformation. In recent years, the IoT has brought important changes and innovations across a broad spectrum of application domains that make use of cyber-physical systems: industrial Internet, smart cities, smart grids, smart cars, smart homes, smart agriculture, etc. While economic and technical issues continue to rapidly evolve, it seems that developers are unprepared for the challenge. No consolidated software engineering practices for the IoT have emerged, and so IoT systems are developed using adapted web technologies. A new generation of scalable, secure, and reactive development environments is needed for software engineering for the IoT. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the fields of software engineering for IoT systems. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers.

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