

Special Issue on Advanced Ubiquitous Computing Systems for Society 5.0

Call for Papers

Towards Society 5.0, in which the cyber world in computer networks is highly integrated with the real world, worldwide research and development on cyber-physical systems (CPS) are actively ongoing for the smartification of our lives and economic activities. Advances in AI and IoT technologies are facilitating the rapid penetration of CPS into our society and are expected to bring about enhancements in all industrial sectors. In particular, the construction of an advanced ubiquitous computing environment combined with various academic and engineering achievements is now recognized as indispensable for realizing Society 5.0. This special issue aims to publish a wide range of state-of-the-art research achievements in the fields of ubiquitous computing so that we can discover the emerging challenges that must be overcome to realize Society 5.0.

Topics of primary interest include but are not limited to the following:

- Ad hoc networks
- Behavior changing/nudging
- Context-aware applications
- Cloud computing
- Distributed computing
- Data collection/annotation
- Energy-aware computing
- Internet of Things (IoT)
- Hardware and sensors
- Interaction
- Location-based systems
- Mobile/wearable computing
- Machine learning
- Participatory sensing
- Security and privacy
- Ubiquitous services
- Ubiquitous devices/middleware
- Wireless communications/networks etc.

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