

Call for Papers

Wireless Sensor and IoT Networks Symposium

The 17th International Wireless Communications & Mobile Computing Conference

IWCMC 2021 Website: <http://iwcmc.org/2021/>

Submission Link: <https://edas.info/newPaper.php?c=27588>

Harbin, China

June 28 — Jul 2, 2021

Technically sponsored by: IEEE and IEEE Harbin Section

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Scope:

As one of the technical symposia of the 2021 International Wireless Communication and Mobile Computing Conference (IWCMC 2021), Wireless Sensor and Internet of Things Networks Symposium is dedicated to addressing the existing and emerging technical challenges in the design, analysis, development, and implementation of wireless ad hoc, sensor and IoT networks. This symposium aims to bring together people from academia and industry who are interested in wireless sensor networks and IoT networks. This symposium mainly focuses on the theory and practices that address the challenges related to the design, analysis, and implementation of algorithms, protocols, architectures, and applications of those networks.

Accepted papers will be published in the IEEE IWCMC 2021 proceedings and submitted to the IEEE digital library (IEEE Xplore).

Topics of interest include, but are not limited to:

- Ad Hoc Networks
- Network Topologies
- Power Management
- Routing Techniques
- Architectures, protocols, and algorithms for wireless body area networks (WBANs)
- Cloud-assisted WBANs
- Applications, operating system, and middleware support
- Cross-layer design and optimization methods
- Energy-efficient transport, network, and MAC protocols
- Event detection, classification, and tracking
- Fault-tolerance, self-healing, and reliability
- Group and cooperative communications
- Location discovery and time synchronization techniques
- Measurements and practical experiences from prototypes and testbeds
- Mobility support and management

- Multicasting, geocasting, and broadcasting
- Network coverage and connectivity
- Network scaling and limits
- Quality of Service issues
- Query processing and data aggregation
- Performance modeling and analysis
- Resource management algorithms
- Topology discovery, management, and self-organization
- Trust, security, privacy, and appropriate cryptographic protocols
- IoT Edge and Cloud Architectures
- AI for IoT
- Web of Things
- IoT Communication Technologies
- Energy Efficiency and Sustainability in IoT
- Sensing, Signal Processing, Actuation and Analytics
- Security and Privacy in IoT
- Human Interaction with IoT
- Self-adaptation for IoT Systems
- (Software) Interoperability in IoT
- Large-scale Data Processing
- Robotic IoT Systems
- Distributed Ledger Technologies for IoT
- Real-world Applications, Deployments, and Testbed

Submission Guidelines:

Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link for possible publication in the IWCMC 2021 Conference Proceedings, which will be submitted to the IEEE Xplore. Selected papers will further be considered for possible publication in three special issues in the following Journals. For more information, visit: <http://iwcmc.org/2021/>

1. The International Journal of Sensor Networks (IJSNet)
<http://www.inderscience.com/browse/index.php?journalCODE=ijsnet>
2. The International Journal of Autonomous and Adaptive Communications Systems (IJAACS)
<http://www.inderscience.com/jhome.php?jcode=ijaacs>
3. KSII Transactions on Internet and Information Systems: <http://www.itiis.org/>
4. Peer-to-Peer Networking & Applications:
<http://www.springer.com/engineering/signals/journal/12083>

Note: There will be a Best Paper Award, Best Symposium Award, and Best Workshop Award.

Important Dates:

Submission:	10 Jan, 2021
Acceptance notification:	30 Mar, 2021
Camera-ready:	30 Apr, 2021
Registration:	30 Apr, 2021

TPC Members: **to be added**