Call for Papers for a Thematic Issue on

CURRENT TRENDS AND THE FUTURE OF INTERNET OF THINGS IN INDUSTRY AND ENTERPRISE

In today's scenario, the advent of the Internet of Things (IoT) forms the key to digital transformation, making lives smarter. As a matter of fact, IoT is not a new phenomenon in industry and enterprise. It provides market-ready solutions and greatly assists in enterprise management systems. Currently, with the use of IoT technologies, industries can easily access, identify, and control the manufacturing execution process. In the future, IoT can cover everything in an enterprise and industrial landscape, ranging from the beginning of production to the delivery of the final product and, as a result, improving the efficiency and productivity of the business process.

In any sector, revolution is inevitable, and this is especially true for industrial and enterprise applications. Innovations in IoT technology offer many opportunities for enterprise applications with faster developments and good quality products. There are many such areas in industry and enterprise where IoT takes up a leading role. Some of the present-day IoT applications in business include digital twin, supply chain management, self-dependent systems, and smart solutions for various enterprise contexts. One of the most significant contributions of IoT in industry and enterprise will be industrial automation. The internet-connected devices will facilitate industry automation systems enabling the users to control appliances and machines through the internet effectively. Thus, moving ahead with better research findings on IoT, we can explore the cutting-edge applications of IoT in industry and enterprise.

To conclude, the enterprise and Industrial Internet of things is the next advancement in technology that enhances the business processes with reduced manual work and increased overall business efficiency. Taking advantage of a combination of technologies such as cloud

computing, edge/fog computing, big data, and artificial intelligence with IoT-assisted smart sensors and actuators will pave the way for exciting new business opportunities and applications. And finally, considerable advancements in enterprise systems, data analysis, data storage, and event processing make IoT an indispensable part of future business enterprises. To explore more in this regard and bring advancements, this special issue intends to bring out the current and future trends in IoT for the business and enterprise sector.

The topics of interest for the special issue:

- IoT in digital twin enabled industrial services
- Innovations in IoT for smart manufacturing and enterprise management systems
- Industrial smart city and smart environment
- Synergy of IoT, artificial intelligence, cloud/fog/edge computing for industry and enterprise systems
- Managing industrial regulatory compliance with IoT
- Smart automation of business processes with IoT and artificial intelligence
- IoT assisted intelligent edge solutions for business and enterprise
- Role of IoT in supply chain management and enterprise resource planning
- Advanced tools, methodologies, and protocols for industrial automation and services
- Business intelligence with AI & IoT for industry 4.0
- Role of IoT in connected industry and enterprise

Important Dates

Submission Deadline (Full-Paper): 15.01.2022

First Review Decision: 01.04.2022

Deadline for Reviewed Manuscripts: 01.06.2022

Final Decision: 01.07.2022

Publication: September 2022

Notes for Authors

Contributions must be at least 12 pages in length. Submitted manuscripts should not have been previously published nor be currently under consideration for publication elsewhere. Conference papers may be submitted if the paper has been rewritten and expanded to at least 30% (proofs to be included in the cover letter), and, if appropriate, written permissions must have been obtained from any copyright holders of the original paper. For preparation of the manuscript, author should follow the instructions at https://www.iospress.nl/journal/journal-of-ambient-intelligence-and-smart-environments/ under section "Manuscript Submission & Author Instructions". **When submitting the manuscript, authors should indicate the title of the Thematic Issue in the cover letter and in the electronic platform.**

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