

Call for Papers

Emerging Applications and Opportunities in the Internet of Things for E-Commerce

E-Commerce and Internet of Things (IoT) will bridge various skills to allow new business applications that attach with physical objects like machines and devices. In recent years, the advancements in internet protocols, smart sensors, communication technologies and embedded systems are used to increase the business profits, manufacturing, opportunities, productions and quality of service. The essential need is to have smart IoT devices, actuators and sensors that bring a new class of enterprise applications. Numerous IoT based potential business opportunities will be made in the upcoming years as we head into a progressively connected world. IoT has a wide range of benefits and use cases both for customer and commercial use. It is now established enough to influence businesses and make a big impact, such as in e-commerce. For example, IoT is used in e-commerce for better tracking and monitoring of outgoing and incoming items, which will significantly reduce the need for human intervention. IoT-enabled devices can identify issues, damages and delay even before the client notices it. This supports the corporation in anticipating possible complaints. Hence, the damages, issues and delay can be identified and fixed more easily in reduced time. The popularity of IoT devices will help businesses realize their consumers at a granular level that were never possible before. This will open up limitless opportunities and potentials in E-commerce and marketing. IoT can help e-commerce corporations in tracking and monitoring the shipments in transit, in real time, and it will resolve numerous problems associated with delivery and quality of service, which will also progress the consumer satisfaction significantly.

In addition, vehicles with GPS tracking technologies are connect with control and monitoring systems to assist smart machines or logistics with Programmable Logic controller (PLC) connected with asset performance management systems. Nowadays, business enterprise involves various types of decision making at various domains and levels. Hence, there is a need to have a real-time data collected from processes, machines, workers and business surroundings. Recently, Big Data and Cloud computing methods are used to store and process a large volume of data. Hence, these advance scalable technologies enables user to predict high value insights and more useful information which are used to enhance the business process and decision making in E-Commerce. The objective of this special issue is to enhance the faster and accurate decision making in business applications, fostering a more customer centric business. Original research contributions and/or reviews are invited for this special issue.

Topics of interest include, but are not limited to:

- Big data analytics for IoT based E-commerce
- Cloud computing for IoT based E-commerce
- Intelligent Techniques for IoT based E-commerce
- Decision Support Systems for IoT based E-commerce
- Intelligent production systems and processes for Smart Industry
- Advanced production and information technologies for Smart Industry
- Ethical issues in E-Commerce and the Internet of Things
- Cloud Security Model for IoT based E-commerce
- Intelligent logistics management for IoT based E-commerce
- Sustainable design and solutions for IoT based E-commerce
- Innovative sensing technologies for IoT based E-commerce
- Innovative sensing technologies for tracking of product history
- Machine learning techniques for IoT based E-commerce
- Cyberphysical systems for IoT based E-commerce
- Future scenarios in marketing and retailing
- Wearables and sensor metrics for consumer decision making
- Intelligent and interactive interface for IoT based E-commerce
- Privacy protected discovery and adaptation in IoT based E-commerce
- Intelligent Industrial IoT architecture and infrastructure

Notes for Prospective Authors

All papers are refereed through a peer review process.

All papers must be submitted online. To submit a paper, please read our Submitting articles page.

If you have any queries concerning this special issue, please email the Guest Editors:

- Submission deadline: May 30, 2018
- Author notification: July 25, 2018
- Revised papers due: Aug 25, 2018
- Final notification: Sep 15, 2018
- Camera-ready due: Sep 25, 2018
- Publication: As per the policy of journal

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