IoT in eCommerce – Possibilities and Challenges

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Message from the Guest Editors

The pervasive and ubiquitous nature of the *Internet of Things* (IoT) has revolutionised ecommerce. IoT fundamentally underpins and facilitates commerce (both traditional and online). One of the historic and now entrenched approaches of IoT in commerce is for inventory tracking and management. RFID tags, IoT tags and other sensors provide near real-time data on inventory levels and order fulfilment. Likewise, IoT systems can automate supply chain logistics by reordering inventory and tracking the location of the supply order. Additionally, monitoring and controlling ambient conditions and equipment maintenance can help businesses monitor the status of perishable items and sensitive equipment. IoT in ecommerce has now enabled cashless and cashierless brick-and-mortar stores. Smart shelves and sensors monitor customers and merchandise. Consumers merely collect their items and exit the store with their account automatically being charged. However, with all of these possibilities, IoT/ecommerce security and privacy concerns still need to be addressed.

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