Call for Papers

Transactions on Emerging Telecommunications Technologies (ETT)

Security of Cloud Service for the Manufacturing Industry

With the rapid development of the industrial Internet, cloud service based manufacturing has emerged as a next generation manufacturing paradigm that has potential to revolutionize the manufacturing industry. It is foreseeable that cloud services will be popular in the next generation manufacturing industry. In recent years, more and more manufacturing companies have recognized the benefits of cloud service and have developed cloud based manufacturing models.

However, the security problems need be researched and solved for the cloud services in the manufacturing industry, especially the data security issues are important, and restrict the cloud application in the manufacturing industry. Regarding the security of data, some people believe that when data is stored in the cloud, manufacturing companies lose control of the data. The manufacturing companies focus on how to secure the data from the top-level management and how to minimize the security risks, such as those caused by data security or service migration challenges. The manufacturing companies select the reliable cloud service while consider function and budget feasibility. How to ensure security in cloud service for the manufacturing industry has become a topic of increasing interest for both academic researchers and developers from the industry.

This special issue addresses this emerging and fast developing research area on cloud security in manufacturing industry. The aim of this special issue is to provide a platform to share up-to-date scientific achievements in this field. Authors are invited to submit outstanding and original unpublished research manuscripts focused on the latest findings in security issues in cloud service for the manufacturing industry.

The topics of interest are included but not limited to the following areas:
- Data Security for Cloud based Manufacturing
- Trust Management for Cloud based Manufacturing
- Privacy Protection in Cloud Service for the Manufacturing Industry
- Reliability Analysis for Cloud based Manufacturing
- Cloud Storage Security for the Manufacturing Industry
- Distributed System Communication Security for Cloud based Manufacturing
- Anonymous Communication in Cloud Service for the Manufacturing Industry
- Trusted Computing and Trustworthy Computing for Cloud based Manufacturing
- Blockchain Applications for Cloud based Manufacturing
- Security of Edge / Frog Computing for Cloud based Manufacturing

Submission guidelines:

Research articles must not have been published or submitted for publication elsewhere. All articles will be peer-reviewed and accepted based on quality, originality, novelty, and relevance to the special issue theme. The editors maintain the right to reject papers they deem to be out of scope of this special issue. Please select this special issue during the submission process. The papers should be formatted according to the ETT guidelines (http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1541-8251/homepage/ForAuthors.html). Authors should submit a PDF version of their complete manuscript via Manuscript central (http://mc.manuscriptcentral.com/ett) according to the timetable below.

Important Dates:

Submission deadline: June 30, 2020
Author notification: August 31, 2020
Final manuscript: October 31, 2020
Publication: Q4, 2020

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