



Special Session on

Enabling Artificial Intelligence & Blockchain in the Data-Driven Supply Chains

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Call for Papers

Theme

Artificial Intelligence (AI) and Blockchain Technology (BT) are the pair of paradigms that are being involved in powering innovation in almost the business activities of today. Despite the difference between the two paradigms, research works that discuss and investigate their applications are becoming the hottest trends nowadays.

The Blockchains, empowered by decentralization, immutability, and trustfulness abilities in managing systems, they are gaining in an increasing business use cases such as smart contracts, Autonomous Freight Vehicles (AFV), Autonomous Connected Factory (ACF), and so forth. Artificial Intelligence approaches, endowed by advanced analytics, optimized methods, and predictive decisions are multiplying usage in many management fields such as smart manufacturing, marketing automation, predictive maintenance, customers' segmentation, etc.

In Supply Chain Management (SCM), Data is taking the lead and orienting decisions instead of experience and best practices. Indeed, traditional management systems are today facing huge hurdles in a changing volatile and strong competitiveness that is almost built on the digitalized environment. In such a context, Artificial Intelligence and Blockchain Technology are revolutionizing the way the management of processes is accomplished. Changes are affecting the Supply Chain at all levels; in operational, tactical, and strategic as well as all the information, financial and physical flows management. Furthermore, both paradigms; AI and BT; are emerging as the "next management revolution", and they are accordingly causing substantial consideration from both industrials and academics in SCM.

Moreover, mutations caused by AI and BT in SCM are engendering new business opportunities, but also generating unexpected new challenges by transforming the existing operations. For that reason, the objective of this special session is to invite academics to discuss and investigate the way AI and BT are affecting the SCM in sighting the new research opportunities and the new challenges.

Subject Coverage

Suitable topics include -but are not limited to- the following:

- Advances Approaches and Digitalization in Supply Chain Management
- Data-Driven Supply Chain Management
- Artificial Intelligence in connection with Supply Chain Management
- Blockchain Technology in connection with Supply Chain Management

Submission

Authors are invited to submit a full paper limited to 6 pages in English. The format of papers must fit with the template format of the conference. Authors' instructions and further information are available on the website of the conference at <https://icalt.ieee.tn/submission/>.