CALL FOR PAPERS

Hawaii International Conference on System Sciences, Grand Wailea, Maui, January 7-10, 2020
http://hicss.hawaii.edu/

Decision Analytics, Mobile and Service Science Track
Intelligent Decision Support for Logistics and Supply Chain Management Minitrack

Minitrack co-chairs: Julia Pahl, Stefan Voss

Dear Colleague,

As co-chairs for the Intelligent Decision Support for Logistics and Supply Chain Management Minitrack at the 53th Hawaii International Conference on System Science (HICSS-53) which will be held in the Grand Wailea, Maui, Hawaii, January 7-10, 2020, we would like to invite you to submit a paper for our minitrack. We are sending you this email, because we are aware that you have research interests and/or have published in this area.

Information technology (IT) and information systems (IS) are prerequisites and enablers for successful supply chain management (SCM). Related to recent advances such as sensor networks, RFID deployment, social network activities, internet search histories, retail transactions, data handling, big data analytics, cloud computing, as well as collaborative approaches enabled by, e.g., blockchain technology, the field of logistics and SCM is developing at a speedy race. Approaches can be related to the whole supply chain or to specific nodes such as transshipment hubs like ports or just inventory decisions at warehouses, just to name a few examples. While IT and IS are vital components in supply chains, their successful management rests on intelligent and coordinated decision-making throughout the logistics network. The design and implementation of intelligent decision analytics tools to support human agents in computational logistics and SCM is a very active field in research, consulting and software development.

The main objective of this minitrack is to foster the discussion on theoretical, conceptual, as well as applied technologies & systems for logistics and SCM to advance the development of intelligent decision support, data handling, and analytics. We address questions like

- Which are important ingredients to build successful applications for intelligent decision support for logistics and SCM and how do such systems add value to organizations?
- How to design intelligent decision support systems for logistics and SCM?
- How to make use of (re-) emerging fields such as artificial intelligence and data science for logistics and SCM?
- How to support innovative approaches of intelligent decision-making in logistics and SCM beyond the inter-organizational border?

This minitrack invites papers focused on - but not limited to - decision analytics, business intelligence & data mining, big data, cloud computing, decision support, simulation, optimization, heuristics and metaheuristics, agent technologies, and descriptive models. They should contribute to intelligent decision support in the whole field of logistics and in all categories of SCM. We are especially interested in real-world applications and information systems and software solutions which assist in solving decision problems. This extends towards, e.g., computational logistics, advanced planning systems, and the intelligent use of ERP systems. Conceptual ideas, reports on projects in progress, and case studies are welcome. Also, teaching cases both at university as well as the executive level may be of interest.

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