

CALL FOR PAPERS
Hawaii International Conference on System Sciences (HICSS-58), Hilton Waikoloa
Village, Big Island, Hawaii, January 7-10, 2025, <http://www.hicss.org/>

Decision Analytics and Service Science Track

Intelligent Decision Support for Logistics and Supply Chain Management

Mini-track co-chairs: Julia Pahl and Stefan Voß

Information technology (IT) and information systems (IS) are prerequisites and enablers for successful supply chain management (SCM). With related advances, the logistics and SCM field is developing very dynamically. Business-to-business transactions are made via the Internet and enterprise resource planning (ERP) systems support managing the transactional information within the enterprise. Cooperation and coordination are only possible based on IT and IS. While IT and IS are vital components in supply chains, their successful management rests on intelligent and coordinated decision making throughout the logistics network. Intelligent decision support and decision analytics using advanced decision technologies and analytics methodology are of utmost importance in logistics and SCM.

The minitrack features information systems, theoretical developments and real-world applications related to intelligent problem solving in logistics and supply chain management. This also incorporates issues related to digital transformation in this area. Methods include optimization, heuristics, metaheuristics, and matheuristics, simulation, agent technologies, and descriptive as well as predictive methods. Recent advances incorporating big data, cloud computing, artificial intelligence, and in general machine learning are especially welcome.

The main objective of this mini-track is to provide, discuss, and highlight recent trends and developments in the area of logistics and SCM solutions both for the scientific community as well as practitioners.

We seek papers dealing with decision analytics, business intelligence, big data, cloud computing, and decision technologies which contribute to intelligent decision support in the whole field of logistics and in all categories of SCM. This includes but is not restricted to simulation, optimization, heuristics, metaheuristics, agent technologies, decision analytics, descriptive models, and data mining. Recent advances in data science, machine learning and artificial intelligence successfully complement these methods. We are especially interested in real-world applications and in information systems and software solutions which assist in solving decision problems. This is extended towards, e.g., computational logistics, advanced planning systems, and the intelligent use of ERP systems. Also, conceptual ideas, reports on projects in progress, and case studies are welcome. Moreover, teaching cases both at the university as well as the executive level may be of interest.

Important dates (<https://hicss.hawaii.edu/>):

- June 15, 2024 | 11:59 pm HST: Paper submission deadline
- August 17, 2024 | 11:59 pm HST: Notification of acceptance/rejection
- September 22, 2024 | 11:59 pm HST: Deadline for authors to submit final manuscript for publication
- October 1, 2024 | 11:59 pm HST: Deadline for at least one author of each paper to register
- January 7-10, 2025 HICSS Conference

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