



18th IFAC Symposium on Information Control Problems in Manufacturing (INCOM 2024)
28-30 August 2024, Vienna, Austria
“Sustainable transformation towards autonomous manufacturing systems”

Invited Session:

New norms of global logistics and supply chain management

Session identification code **pj69g**

Organised by (Corresponding proposer*)

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Topics

The session welcomes original and high quality research that concentrates on the design and evaluation of new norms of global logistics and supply chain management towards achieving the present-day goals of sustainability and resilience. This session aligns with our ongoing call for papers for the Special Issue “New norms of global logistics and supply chain management” on Transportation Research Part E. Please refer to the following link <https://www.sciencedirect.com/journal/transportation-research-part-e-logistics-and-transportation-review/about/call-for-papers>.

The session aims to generate interest and draw research contributions from a diverse range of disciplines beyond transportation or logistics, to encompass the realms of operations management, supply chain management, economics, behavioural research, and technology development. We particularly invite papers that provide high-level research vision on new norms suggestion and discussion, performance and potential demonstration, as well as short- and long-term impact assessment. The following list gives examples of topics (but should not be limited to):

- New theories of global logistics management in the new normal;
- New norms for end-to-end global logistics services;
- Impacts of supply chain relocation (such as on-shoring, near-shoring) on global logistics;
- New decision-making problems and models providing insights for new norms;
- Decarbonizing global logistics and supply chains;
- Digital transformation and service innovations for new norms, e.g., digital interoperability, digital platforms, data-driven or digital twin-driven solutions, blockchain and smart contracts;

- Application of AI in the new norms, e.g., Machine Learning, Natural language processing (NLP) and Large language models (LLM), autonomous systems;
- Development of disruptive logistics paradigms, e.g., synchro-modality, Physical Internet, Industry 5.0.

Keywords

New norms, Global logistics and supply chain, Sustainability, Resilience, Operations Management, Technology development.

Important Dates

Full Paper Submission	31.01.2024
Final paper submission	15.04.2024

Submission

- All contributions must be electronically submitted through the PaperPlaza Conference Manuscript Management System: <https://ifac.papercept.net/conferences/scripts/start.pl>
- Guidelines for the preparation of manuscripts are provided on the IFAC website <https://www.ifac-control.org/conferences/authors-guide>
- You can find templates on the Author guide: <https://www.ifac-control.org/conferences/author-guide>
- Accepted papers that have been presented at an IFAC meeting will be published in the proceedings of the event using the open-access IFAC-PapersOnLine series.