Call for Special Session Papers
New Perspectives in Supply Chain Resilience Analytics:
Balancing the Business, Environmental, and Societal Impact of Disruptions

Session Organizers:

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Globalization and the drive for cost efficiency have significantly increased the **vulnerability** of interconnected supply chains. In the current dynamic and unpredictable socio-political, economic, and environmental landscape, organizations of all sizes—including **small and medium-sized enterprises (SMEs)**—are faced with unprecedented challenges in maintaining **resilient supply chains**. Enterprises often overlook the **environmental and societal consequences** of their mitigation strategies, focusing primarily on minimizing business losses. Additionally, these organizations encounter significant barriers in **accessing the necessary hardware, software, and analytical expertise** to implement effective resilience solutions. However, the expanding availability of advanced, yet affordable, technologies such as **cloud-based open-source optimization, simulation, and artificial intelligence (AI) tools** now enables organizations of any scale to adopt sophisticated **risk management strategies**. This special session seeks to explore the design and application of **accessible analytical tools aimed at improving supply chain resilience** across diverse organizational contexts. By integrating theoretical insights with practical case studies, this session will demonstrate how organizations can use **AI, data analytics, and risk management techniques** not only to overcome supply chain disruptions but also to build more **adaptive, sustainable, and socially responsible** business practices.

We invite submissions from researchers and practitioners that address, but are not limited to, the following topics:

- **Resilience in SME Supply Chains**: Challenges SMEs face in managing supply chain disruptions and identifying strategies for ensuring business continuity.
- **Accessible supply chain resilience analytics**: Using open-source data platforms and analytic tools to assess and mitigate risks in supply chains.
- **Balancing Business, Environmental, and Societal Impacts**: Integrating business goals with environmental and social responsibility while ensuring supply chain resilience.

Publication:
Accepted papers will be published open access in Elsevier's IFAC-PapersOnLine. Special issues in IFAC and high-ranked journals are planned for extended versions.

Important Dates:
- **Draft paper/extended abstract deadline:** 30.11.2024
- **Final paper submission deadline:** 28.02.2025
- **Early registration deadline:** 15.03.2025

Submission Guidelines:
Draft papers (max 6 pages in IFAC format) and extended abstracts are welcome. Use the invitation code **545us** to associate your paper with this special session. Submit at: `https://ifac.papercept.net`

Conference Details:
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`https://conferences.ifac-control.org/mim2025/`