

11th IFAC Conference on Manufacturing Modelling, Management and Control

Trondheim, Norway, 30 June - 3 July 2025

Research and Innovation on Manufacturing and Logistics for a better world

AIM AND SCOPE OF MIM 2025



conferences.ifac-control.org/mim2025



Industrial and academic worlds around manufacturing and logistics are facing **every day new challenges** but also **rapid changes in technology developments and business models**, like Generative AI, smart robotization & automation, digitalization and data-analytics, advanced simulation, industry 4.0 and 5.0, circular economy, shared economy, and many others, which can help decision makers, practitioners, researchers **to find solutions** to those challenges.

Whatever trend we are living, we at **NTNU - Production Management Research Group & Logistics 4.0 Lab** believe that our activities should benefit society as a whole!!! Creative, Critical, Constructive and Respectful are values which guide us towards our vision **“Knowledge for a better world”**.

This is why the general theme of the 11th IFAC Conference on Manufacturing Modelling, Management and Control (**IFAC MIM2025**) at NTNU is **“Research and Innovation on Manufacturing and Logistics for a better world”**.

The aim of this conference is to bring **together researchers and practitioners** to present and discuss emerging topics in **modern and future manufacturing modeling, management, and control**, following a rich tradition of previous IFAC conferences and symposia in manufacturing and logistics.

Through its motto **“Be the impact! Make a better world.”**, IFAC MIM2025 will focus on the **most innovative methods in manufacturing and logistics**, with emphasis in how to generate **impactful research and innovation for society**, with **interdisciplinary and innovative methods, cross-sectorial applications, inclusive approaches, engagement, and growth of younger researchers.**

In addition to **scientific sessions**, there will be the opportunity to attend **keynote presentations** and **doctoral workshop**, and panel debates, such as **“how to fund your research”**, **“how to publish your research”** and also **“how to be a good reviewer”**. **Mentorship program** for first attendees and other activities will be part of the **social agenda you cannot miss!**

KEY DATES

30 September 2024

Invited sessions and tracks submission deadline

30 November 2024

Full regular papers, papers for invited tracks/sessions, extended abstracts deadline

30 January 2025

Notifications to authors
Registrations open

28 February 2025

Camera ready paper submission deadline

Submit your session/track proposals and papers via PaperPlaza Conference Manuscript Mng System:
<https://ifac.papercept.net/>

CONFERENCE TOPICS

The conference will cover all topics related to emerging topics in modern and future manufacturing modeling, management, and control, including (but not limited to) the following:

- Advanced Manufacturing Systems
- Human-Centric Manufacturing Systems
- Sustainable and Circular Manufacturing
- Viable Supply Chain and Resilience
- Intralogistics and Warehousing
- Service Operation Management
- Production and Supply Chain Management
- Digital Transformation, Robotization, Automation
- Artificial Intelligence and Data Analytics
- Digital Supply Chain, Industry 4.0, 5.0 and beyond
- Emerging Technologies and Trends in Manufacturing
- Additive Manufacturing and Supply Chain
- Energy Management and Mobility
- New business models in Manufacturing and Logistics
- Knowledge Management & Strategies
- Design Thinking for Research & Innovation

Sponsored by: IFAC TC 5.2 - Management and Control in Manufacturing and Logistics

Co-sponsored by: IFAC TC 1.3, 3.2, 5.1, 7.4, 9.1

Call for invited sessions and tracks

Invited sessions consist of 5-6 papers of the regular format focusing on targeted subjects and presenting a unifying theme.

Invited session organizers should submit an abstract that summarizes the aim and the content of the invited session. A code will be assigned to such a session.

The invited author should submit their papers by using this code. If at least 5 papers are accepted, the session is included in the conference program as an invited session. If an invited session is not accepted, accepted papers submitted to this session will be included in regular sessions.

Invited sessions, grouped together in a track must be submitted independently. The track chairs are asked to contact the organizers prior to session proposal submissions.

Deadline: 30 September 2024

Call for contributed papers

Authors are invited to submit papers (min 4 pages - max 6 pages) reporting original research of theoretical or applied nature. They can submit a contribution either to an invited session, if it fits with the session, or as regular one.

Post-conference Proceedings will be published in IFAC -PapersOnLine (Elsevier) with DOI, the articles of Proceedings will be in open access.

IFAC journals and other top journals, such as IJPR, ANOR, IJISM, FLEX will select papers for post-conference publications in regular and special issues.

Deadline: 30 November 2024

Call for extended abstracts

Discussion contributions (extended abstracts) are submitted with the goal of being only presented at the conference, in order to get feedback and generate discussion with participants, without generating a publication.

A document with 1 to 4 pages must be submitted. If accepted, authors can decide whether they want either the document or only an abstract to appear in the conference preprints, in order to make participants aware of the topics to be discussed. These documents will not be included in the official conference proceedings published in IFAC-Papers OnLine.

Deadline: 30 November 2024

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Conference Secretariat

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