



**11th IFAC Conference on
Manufacturing Modelling, Management and Control**
Trondheim, Norway, 30 June - 3 July 2025

<http://conferences.ifac-control.org/mim2025/>

Trondheim, Norway, June 30 – July 03, 2025

Invited Session

Analytical and AI-based smart techniques for supply and production planning under uncertainty

INVITED SESSION CODE: XXX

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Aim & scope: Managing uncertainty and risks is becoming one of the most important challenges in Supply Chain (SC) optimization. In fact, uncertainty causes several difficulties in supply and production planning, and inventory control. The sources of uncertainty are various and can take place at several levels of the SC: lead times, demand, prices, yield and capacities, etc. Recently, Artificial Intelligence tools have become an important mean used to improve decision support systems at strategic, tactical and operational levels in uncertain environments.

This invited session aims to promote new classical and AI-based research concepts, approaches and achievements for managing uncertainty at different levels of the Supply Chain.

Keywords: Uncertainty, Artificial Intelligence, Optimization, Simulation, Supply, Production, Manufacturing Systems

Submission: The submission process and the guidelines of paper preparation can be found on the web page of the conference at: <http://conferences.ifac-control.org/mim2025/>

Important dates:

November 30, 2025	Deadline for the submission
January 30, 2025	Notification of acceptance/rejection
February 28, 2025	Deadline for the final submission

- Draft papers reporting original research (limited to 6 pages in IFAC format) are welcome.
- Accepted papers will be published open access in [Elsevier's IFAC-PapersOnLine](#).
- Post-conference special issues for extended versions of accepted papers are planned in IFAC and other high-ranked journals.

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