



Photo: Mentz Indergaard/NTNU

APMS 2023

IFIP International Conference;
Advances in Production Management Systems

***“Production Management Systems for
Responsible Manufacturing, Service, and
Logistics Futures”***

17– 21 September 2023

SUBMISSIONS

Authors are invited to submit papers (up to 8 pages) using the author guidelines provided by Springer. The submission portal will open in 2023.

Selected papers will be invited to submit an extended version to international journals.

MARCO GARETTI

DOCTORAL WORKSHOP

The conference is preceded by the Doctoral Workshop where PhD students can present and discuss their doctoral research, receive feedback and exchange ideas with fellow PhD students, experienced researchers, and professors of the IFIP WG 5.7 community.

VENUE

APMS 2023 will take place in Trondheim, the education and technology capital of Norway. The city has excellent international flight connections from major cities in Europe. The conference venue is Clarion Hotel & Congress.

CONFERENCE ORGANISATION

Honorary Chair

Asbjørn Rolstadås

Conference Chair

Jan Ola Strandhagen

Conference Co-Chair

Gregor von Cieminski

Program Chair

Erlend Alfnes

Program Co-Chairs

Heidi Carin Dreyer

Daryl Powell

David Romero

Organising Committee Chair

Anita Romsdal

CONFERENCE WEBSITE

www.apms-conference.org

INQUIRIES

For inquiries, please contact us at:

info@apms-conference.org

OBJECTIVES AND SCOPE OF APMS 2023

APMS 2023 will bring together leading international experts from academia, industry, and government in the area of production management systems for responsible manufacturing, service, and logistics futures. This includes topics such as smart and sustainable manufacturing, service, and logistics systems; data-driven operations management; digital supply networks management; and Industry 5.0. The conference will feature sessions filled with original, high-impact academic contributions. In addition, industrial viewpoints and insights will be shared through industry keynote speeches.

Papers will be published in the Springer Series AICT. High-quality papers will be fast-tracked to several peer-reviewed journals, including Production Planning & Control (PPC), the International Journal of Production Research (IJPR), and the International Journal of Industrial Engineering and Management (IJIEEM). The conference is supported by the International Federation of Information Processing (IFIP) and is organised by the IFIP Working Group 5.7 on Advances in Production Management Systems, established in 1978.

KEY DATES

Conference	17-21 Sep 2023
Special session proposals	28 Feb 2023
Submission of full papers	20 Apr 2023

More details on dates and deadlines will be published in the final Call for Papers in January 2023.

CONFERENCE TOPICS

Topics of interest include, but are not limited to the following:

Sustainable and Responsible Production Management

- Sustainable Product Design and Engineering
- Green Manufacturing
- Zero-defect Manufacturing
- Remanufacturing and Disassembly Systems
- Additive and Hybrid Manufacturing

Data-driven Production Management

- Advanced Production Planning & Control
- Analytics in Manufacturing & Service Operations Management
- AI/ML in Manufacturing
- Agile, Flexible and Reconfigurable Manufacturing
- Mass Customisation & Personalisation

Smart Manufacturing and Industry 5.0

- Human-centric Production Systems
- Autonomous & Interoperable Systems
- Digital Twin & Industrial Metaverse
- Operator 5.0
- Digital Transformation Strategies

Digital Supply Networks

- Global Supply Chains
- Reshoring and Diversification
- Logistics & Distribution Networks
- Supply Network Planning, Optimisation & Finance
- Simulation of Production & Supply Chain Systems
- Risk Analysis, Resilience and Disruption Management

Collaborative Manufacturing and Service Systems

- Cloud and Collaborative Technologies
- Digital Services
- Collaborative Design
- Knowledge Management
- Blockchain Technology
- Industrial Artificial Intelligence Systems

Production Management Theory

- New Theoretical Lens for Production Planning and Control
- Future Production Management Education, Training and Learning Systems
- Research Methodologies in Production Management

We also invite papers within the areas of the IFIP WG 5.7 special interest groups, which are:

- Serious Games in Production Management Environments
- Product and Asset Lifecycle Management
- Service Systems Design, Engineering and Management
- Smart Manufacturing Systems & Cyber-Physical Production Systems
- Lean Thinking & Practice
- Operations Management in Engineer-to-Order Manufacturing
- Production Management in Food Supply Chains
- Eco-Efficient and Circular Industrial Systems

Special Topics

In addition to the conference topics, we invite proposals for a set of focused session that address specific topics related to production management.