



Photo: Thomas Høstad/NTNU

APMS 2023

IFIP International Conference on
Advances in Production Management Systems

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

17— 21 September 2023
NTNU, Trondheim, Norway

Please note: this revised Call for Papers specifies updated quality requirements for full papers

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Doctoral Workshop Chair

Hans-Henrik Hvolby, Aalborg
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CONFERENCE WEBSITE

www.apms-conference.org

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 (IJIEIM). 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.

The conference also includes a PhD workshop and industrial tours.

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 SESSIONS

In addition to the conference topics, we invite proposals for a set of focused session that address specific topics related to production management. More information can be found on the conference website.



MARCO GARETTI DOCTORAL WORKSHOP

In the tradition of past APMS conferences, APMS 2023 is preceded by the Doctoral Workshop.

The workshop provides PhD students with the opportunity to present and discuss their doctoral research, and receive feedback and exchange ideas in an inspiring community of fellow PhD students, experienced researchers, and professors of the IFIP WG 5.7 community.

Interested PhD students apply by submitting a PhD research proposal of up to 15 pages using the template provided on the conference website.

CONFERENCE SCHEDULE

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|------------------------|---|
| 17 September | Doctoral Workshop IFIP WG 5.7 Meeting Welcome Reception |
| 18 September | Opening Sessions Keynote Speech Parallel Sessions |
| 19 September | Parallel Sessions Keynote Speech Gala Dinner |
| 20 September | Parallel Sessions Closing Session |
| 21 September | Industry Tours |

KEY DATES FOR PAPERS AND SESSION PROPOSALS

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|--|-----------------------|
| Special session proposals | 28 February, 2023 |
| Submission of full papers | 20 April, 2023 |
| Notification of review results (round 1) | 25 May, 2023 |
| Submission of revised papers | 15 June, 2023 |
| Notification of review results (round 2) | 30 June, 2023 |
| Submission of camera-ready papers | 10 July, 2023 |
| Submission of PhD research proposals | 10 August, 2023 |
| Conference dates | 17–21 September, 2023 |

REGISTRATION

The registration fee includes conference participation, welcome reception, gala dinner, lunches, conference proceedings and industry tour. Registration opens on the conference website in March.

| <i>Participant category</i> | <i>Early-bird registration fee*</i> | <i>Late & on-site registration fee*</i> |
|-----------------------------|---|---|
| Regular | NOK 8.000 | NOK 9.000 |
| Student / retired | NOK 6.000 | NOK 7.000 |
| Guest** | NOK 1.800 | NOK 2.300 |

Early-bird registration ends 17 July 2023.

* exchange rate per 27 Jan. 2023: NOK 10 = € 0,93
** includes gala dinner and social events

SUBMISSIONS [information revised 8 February 2023]

Authors are invited to submit full research papers of 12 pages, using the author guidelines provided by Springer (available on the conference website). Papers can be submitted through the conference website from March 2023. Accepted full papers will be published in the conference proceedings in Springer's AICT Series.

High-quality papers will be invited to submit an extended version to well-known international journals, including Production Planning & Control (PPC), the International Journal of Production Research (IJPR), and the International Journal of Industrial Engineering and Management (IJIE).

DIGITAL TRACK

IFIP WG 5.7 is looking forward to interacting with the production management research community in Trondheim. For those who are unable to travel to Trondheim, a special digital session will be offered where online participants can present and discuss their accepted papers within a mix of topics. Papers will be published in the conference proceedings and regular participation fees apply.

VENUE AND ACCOMMODATION

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, located by the harbour and Trondheim fjord, with close proximity to the city's main attractions.

Through the conference website, we can offer accommodation at the conference hotel and other nearby hotels at competitive rates.

