



APMS 2025

IFIP International Conference

ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS

Sun. August 31 – Thu. September 4, 2025
Kamakura, Japan In-Person

Cyber-Physical-Human Production Systems :
Human-AI Collaboration and Beyond

Tentative Submission Schedule

Late February

Special Session Proposal Submission

Late March

Full Paper Submission

April to June

Review and Revision (2 rounds)

Mid-July

Early-Bird Registration Deadline

✓ Concrete dates will be announced
in the 2nd CFP.

Objectives and scope

APMS 2025 brings together leading international experts in manufacturing, service, and logistics systems from academia, industry, and government to explore cutting-edge developments in Cyber-Physical-Human Production Systems (CPHPS). The conference will address key challenges and advancements in smart factories and warehouses, autonomous production systems, sustainable supply chains, and human-centric AI applications. Special attention will be given to how human capabilities can be integrated with AI insights to optimize next-generation production systems and meet societal responsibilities. The conference will feature original, high-impact academic contributions, which will be published in the Springer Series AICT. The conference is sponsored by the International Federation of Information Processing (IFIP) and organized by IFIP Working Group 5.7, established in 1978.

Honorary Chair

Toshiya Kaihara,
Kobe University, Japan

Conference Co-Chairs

Hajime Mizuyama,
Aoyama Gakuin University, Japan
Gregor von Cieminski,
ZF, Germany

Program Co-Chairs

Eiji Morinaga,
Osaka Metropolitan
University, Japan
David Romero,
Tecnológico de Monterrey, Mexico

Organizing Committee Chair

Tomomi Nonaka,
Waseda University, Japan

Doctoral Workshop Co-Chairs

Hironori Hibino,
Nihon University, Japan
David Romero,
Tecnológico de Monterrey, Mexico

Conference topics

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

Sustainable & Responsible Management

- Sustainable Product Design & Engineering
- Green Manufacturing
- Remanufacturing & Disassembly Systems
- Reshoring & Diversification

Smart Manufacturing

- Industry 5.0
- Society 5.0
- Human-centric Production Systems
- Human-AI Collaboration
- Operator 5.0

Model-driven Production Management

- Cyber-Physical-Human Production Systems
- Autonomous & Interoperable Systems
- Digital Twin & Industrial Metaverse
- Quantum Technology Applications

Data-driven Production Management

- Business Analytics
- AI/ML in Manufacturing
- Agile, Flexible & Reconfigurable Manufacturing
- Digital Transformation Strategies

Digital Supply Networks

- Supply Network Planning & Optimization
- Simulation of Production & Supply Chains
- Risk Analysis & Resilience
- Digital Transformation

Collaborative Manufacturing & Services

- Cloud & Collaborative Technologies
- Digital Services & Smart Product-Service Systems
- Knowledge Management
- Blockchain Technology
- Collective Intelligence System

Conference Website
<https://www.apms-conference.org/>



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<https://www.ifipwg57.org>



We also invite papers within the areas of the IFIP WG 5.7 special interest groups.