



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

Submission schedule

- Special session proposal
February 14, 2025
- Submission of full papers
March 21, 2025
- Notification of review results (round 1)
April 19, 2025
- Submission of revised papers
May 23, 2025
- Notification of review results (final)
June 6, 2025
- Submission of camera-ready papers
June 20, 2025
- Submission of Ph.D. research proposals
June 27, 2025

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. It is also supported by PPC, the flagship journal of IFIP WG 5.7, and other leading journals.

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



Sponsored by IFIP WG 5.7
<https://www.ifipwg57.org>



Conference topics

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

Smart Manufacturing

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

Data-driven Production Management

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

Model-driven Production Management

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

Sustainable & Responsible Management

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

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

We also invite papers within the areas of the IFIP WG 5.7 SIGs, which are:

- Serious Gaming 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
- Smart and Sustainable Supply Chain Management
- Eco-Efficient and Circular Industrial Systems
- Human-Centred Systems

Registration

The registration fee includes conference participation, welcome reception, gala dinner, lunches, conference proceedings and industry tour. Places for the industrial tour are however limited.

Participant Category	Early-Bird Registration fee – on or before June 30, 2025 –	Late Registration fee – on or after July 1, 2025 –
Regular	110,000 [JPY]	125,000 [JPY]
Student/retired	70,000 [JPY]	80,000 [JPY]
Accompanying person**	30,000 [JPY]	35,000 [JPY]

* exchange rate (December 27, 2024): 100 [JPY] = 0.61 [EUR]

** includes gala dinner

Marco Garetti doctoral workshop

In the tradition of past APMS conferences, APMS 2025 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.

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Venue and accommodation

APMS 2025 in Kamakura: Bridging Heritage with the Future of Industrial Engineering, Management, and Manufacturing Experience. APMS 2025 in Kamakura, a city steeped in Japan's rich historical heritage and surrounded by the natural beauty of Kanagawa Prefecture. Renowned for its ancient temples, scenic coastlines, and cultural depth, Kamakura offers an inspiring backdrop for exploring sustainable and innovative solutions in industrial engineering, management, and manufacturing. Located just an hour from Tokyo, Kamakura combines its tranquil atmosphere with Kanagawa's role as a hub for advanced industries and research, making it the perfect location for shaping the future of these vital fields. Together, let us craft the next chapter of progress of APMS.

Conference schedule

Aug. 31st	Sep. 1st	Sep. 2nd	Sep. 3rd	Sep. 4th
<ul style="list-style-type: none"> • Doctoral workshop • WG 5.7 meeting • Welcome reception 	<ul style="list-style-type: none"> • Opening session • Keynote talks • Parallel sessions 	<ul style="list-style-type: none"> • Keynote talks • Parallel sessions • Gala dinner 	<ul style="list-style-type: none"> • Parallel sessions • Closing session 	<ul style="list-style-type: none"> • Industrial tours

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