



APMS 2022

Gyeongju, Korea

IFIP International Conference

Smart Manufacturing and Logistics Systems: *Turning Ideas into Action*

“Digital, Autonomous, Sustainable, and Interoperable
Systems”

September 25, 2022 - September 29, 2022

Online/Offline Hybrid

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OBJECTIVES AND SCOPES OF APMS 2022

APMS 2022 aims to bridge the gap between academia and industry in the development of next-generation manufacturing and logistics systems. The conference features special sessions to empathize with the real challenges of today's industry, and accordingly, to exchange valuable knowledge and discuss about new way outs, while emphasizing how to turn technological advances into business solutions. The conference spotlights internationally renowned keynote speakers from academia and industry and the active participations of manufacturers and their suppliers as well as service providers. Therefore, practitioners from industry, researchers and lecturers are cordially encouraged to register and participate in this trendy conference. The presented papers will be published in the Springer Series ACIT and indexed on SCOPUS and Web of Science.

The APMS conference is sponsored by the International Federation of Information Processing (IFIP), and it is organized by the IFIP Working Group 5.7 on Advances in Production Management Systems established in 1978. The conference is also supported by two leading journals: Production Planning & Control (PPC) and the International Journal of Production Research (IJPR).

CONFERENCE TOPICS

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

AI & Data-driven Production Management

- Advanced Production Planning & Control
- Data-driven Manufacturing & Service Operations Management
- Prognostics & Assets Health Management
- AI/ML in Manufacturing

Simulation & Model-driven Production Management

- Optimization & Operations Management
- Advanced Modelling & Simulation Techniques
- Simulation of Large-Scale Production & Supply Chain Systems

Industrial Digital Transformation

- Digital Transformation Strategies
- Business Process Models
- Organizational & Cultural Aspects for Digital Transformation

Digital Supply Networks

- Global Supply Chains
- Logistics & Distribution Networks
- Supply Network Planning, Optimization & Finance

Smart Manufacturing & Industry 4.0

- Autonomous & Interoperable Systems
- Smart Factory
- Digital Twin & Metaverse on Manufacturing
- Cloud and Collaborative Technologies
- Operators 4.0

Service Systems Design, Engineering & Management

- Industrial Product-Service Systems
- Digital Servitization
- Smart Services

Sustainable Production Management

- Eco-Design & Green Manufacturing
- Circular Economy & Closed Loop Lifecycle Management
- Lifecycle Assessment
- Human in the Systems
- Serious Games for Training

Special Sessions

- Special sessions will be organized to have focused discussions on the cutting edge topics

info@apms-conference.org

CONFERENCE WEBSITE

<http://www.apms-conference.org/>



IMPORTANT DATES

- ✓ Special session proposal: **February 28, 2022**
- ✓ Submission of full papers: **March 31, 2022**
 - Notification of the 1st round review results: **May 25, 2022**
 - Submission of revised papers: **June 15, 2022**
 - Notification of final review results: **June 30, 2022**
 - Submission of camera-ready papers: **July 8, 2022**
- ✓ Submission of Ph.D. research proposal: **July 31, 2022**

Hosts



APMS 2022 is hosted by the Department of Industrial & Management Engineering of POSTECH (Pohang University of Science & Technology) and KIIE (Korean Institute of Industrial Engineers). POSTECH opened its doors in 1986 as the first research-oriented university in Korea to educate the brightest minds in the country and lead the transition of Korea's higher education from dissemination to creation of knowledge. It is ranked 3rd in the THE world's best small universities rankings (2021), 28th in the THE world university rankings (2010), 1st in the JoongAng Ilbo Korean university rankings for ten consecutive years (1995~2015).



The Korean Institute of Industrial Engineers (KIIE) is a professional association of industrial and management engineers in South Korea.

Founded in 1974 as an engineering society focused on the core academic fields that improve the efficiency of an organization or system, KIIE has played leading roles in the development of Korean industry.

Marco Garetti's Doctoral Workshop

Following the tradition of past APMS conferences, the Marco Garetti's Doctoral Workshop provides Ph.D. students with the opportunity to present and discuss their doctoral research, and receive feedback and exchange ideas in an inspiring academic community of fellow Ph.D. students, experienced researchers, and professors of the IFIP WG-5.7 community. The interested Ph.D. students are expected to submit a research proposal up to 15 pages in length using the provided template.

Registration

The registration for offline participation includes the conference proceedings, industry tour, welcome reception, gala dinner, and lunches, whereas the registration for online participation includes admission to all online sessions and the conference proceedings.

	Early-bird registration (before or on 07/15/2022)	Late or on-site registration (after 07/15/2022)
Offline	Regular €600 Student/retired €400 Guest €200 (gala dinner included)	Regular €700 Student/retired €500 Guest €250 (gala dinner included)
Online	Regular €350 Student/retired €200	Regular €450 Student/retired €300

SUBMISSION & REGISTRATION

<http://www.apms-conference.org>

Venue

APMS 2022 will be held in Gyeongju, Korea, a UNESCO-designated city, that was the capital of the ancient kingdom of Silla (57 BC – 935 AD). Gyeongju embraces Buddhism, science, and vibrant ancient culture that blossomed by the artistry of the Silla people. With a thousand years of the evergreen spirit of Silla, Gyeongju is truly a museum without a roof.



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