

Sun. September 8, 2024 - Thu. September 12, 2024
Chemnitz/Zwickau, Germany In-Person

ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS 2024
PRODUCTION MANAGEMENT SYSTEMS FOR VOLATILE, UNCERTAIN, COMPLEX AND AMBIGUOUS (VUCA) ENVIRONMENTS

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- Hermann Lödding
- Giuditta Pezzotta
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OBJECTIVES AND SCOPE

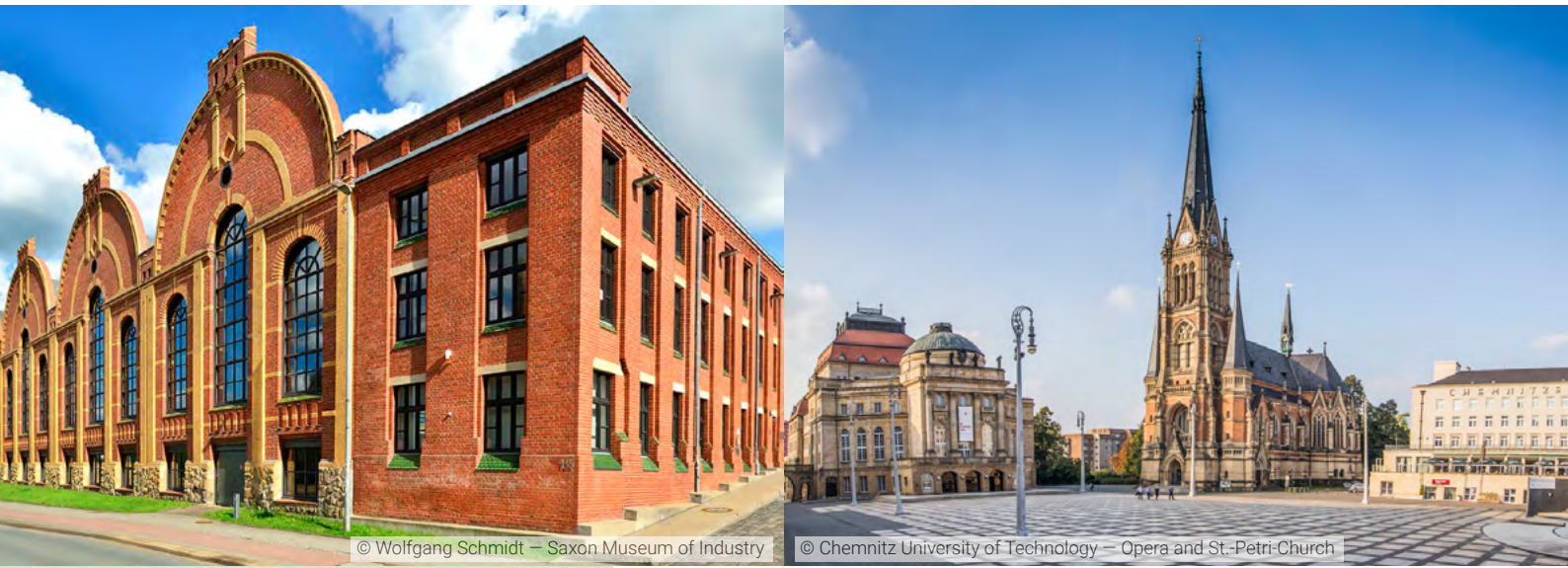
APMS 2024 brings together leading international experts in production systems and logistics from academia, industry, and government to discuss pressing issues in smart manufacturing, operations management, supply chain management, and Industry 4.0 in the era of Artificial Intelligence. The conference features **several sessions to discuss original, high-impact academic contributions**, which will be published in the Springer Series AICT and indexed in SCOPUS and Web of Science. World-renowned thought leaders will share their views and insights in **keynotes**, and there will be **hands-on workshops** to link theory and practice. The conference is sponsored by the International Federation of Information Processing (IFIP), and 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:

Sustainable & Responsible Management <ul style="list-style-type: none"> · Sustainable Product Design & Engineering · Green Manufacturing · Remanufacturing & Disassembly Systems · Reshoring & Diversification 	Smart Manufacturing and Industry 5.0 <ul style="list-style-type: none"> · Human-centric Production Systems · Autonomous & Interoperable Systems · Digital Twin & Industrial Metaverse · Operator 5.0
Data-driven Production Management <ul style="list-style-type: none"> · Business Analytics · AI/ML in Manufacturing · Agile, Flexible & Reconfigurable Manufacturing · Digital Transformation Strategies 	Digital Supply Networks <ul style="list-style-type: none"> · Supply Network Planning & Optimization · Simulation of Production & Supply Chains · Risk Analysis & Resilience · Digital Transformation
Collaborative Manufacturing & Services <ul style="list-style-type: none"> · Cloud & Collaborative Technologies · Digital Services · Knowledge Management · Blockchain Technology 	Production Management Theory <ul style="list-style-type: none"> · New Theoretical Lens for PPC · Production Management Education & Training · Learning Systems · Advances in Research Methodologies



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Conference Secretariat

Chair of Factory Planning and Intra-logistics, Chemnitz University of Technology

Diana Falke

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🌐 www.apms-conference.org

Special Sessions

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

Hands-on Workshops

There will be several workshops using the capabilities of the Experimental and Digital Factory (EDF) at the Chair of Factory Planning and Intra-logistics. Registration for these workshops is required as places are limited. More information can be found on the [website](#).

Social Events

There will be special social events. Registration for these events is required as places are limited. More information can be found on the [website](#).

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 & Asset Lifecycle Management
- Service Systems Design, Engineering & 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 & Circular Industrial Systems

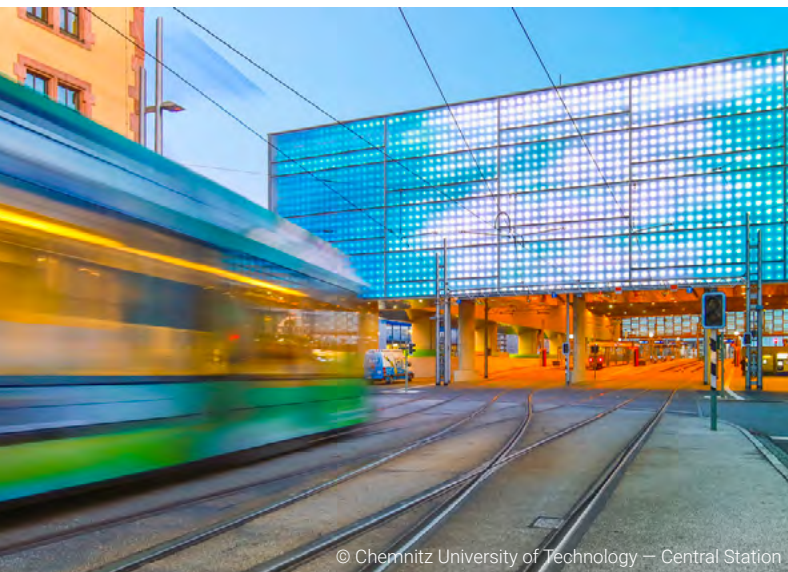
SUBMISSIONS

Authors are invited to submit papers (between 12 and 15 pages) using the author guidelines provided by Springer. The conference proceedings will be published by Springer as Proceedings in IFIP Advances in Information and Communication Technology (AICT). Volumes published as part of the IFIP AICT are made available through several indexing services including Clarivate Analytics' Web of Science and SCOPUS. High-quality papers will be invited to submit an extended version to well-known international journals.

REGISTRATIONS

The registration fee includes conference participation, welcome reception, gala dinner, lunches, conference proceedings and industry tour. Places for the industry tour are however limited. Registration will open on the [conference website](#) in March.

Early-bird registration – before or on 15.07.2024 –	Regular registration – after 15.07.2024 –
Regular €700	Regular €800
Student/retired €500	Student/retired €600
Guest (only gala dinner, social events, and a special social program) €200	Guest (only gala dinner, social events, and a special social program) €200



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Garetti Doctoral Workshop

In the tradition of previous APMS conferences, APMS 2024 will be preceded by the Marco Garetti 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 from 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

Sep 8th	<ul style="list-style-type: none"> • Doctoral Workshop • IFIP WG 5.7 Meeting • Welcome Reception
Sep 9th	<ul style="list-style-type: none"> • Opening Sessions • Keynote Speech • Parallel Sessions
Sep 10th	<ul style="list-style-type: none"> • Parallel Sessions • Keynote Speech • Gala Dinner
Sep 11th	<ul style="list-style-type: none"> • Parallel Sessions • Closing Session
Sep 12th	<ul style="list-style-type: none"> • Industry Tours

DIGITAL TRACK

IFIP WG 5.7 is looking forward to interacting with the production management research community in Chemnitz. For those who are unable to travel, a special digital session will be offered where online participants will be able to present and discuss their accepted papers. Papers will be published in the conference proceedings and regular participation fees apply. Since there is no participation in gala dinner and social events, a deduction of €200 will apply.



KEY DATES

– for Papers and Session Proposals –

Special session proposal:	February 23, 2024
Submission of full papers:	March 29, 2024
Notification of review results (round 1):	May 3, 2024
Submission of revised papers:	June 7, 2024
Notification of review results (final):	June 21, 2024
Submission of camera-ready papers:	July 5, 2024
Submission of Ph.D. research proposals:	July 12, 2024
Conference dates:	September 8 - 12, 2024

VENUE

APMS 2024 will take place in Chemnitz (Germany), European Capital of Culture 2025, being the industrial tour in Zwickau. Chemnitz and Zwickau form the center of West Saxony. Several centuries of history in mechanical engineering characterize the region, which has become the leading European region for the production of battery-electric cars in 2020, while the historical textile industry has shifted its focus to technical textiles and sustainable solutions in cooperation with the lightweight industry.



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Funded by
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ACCOMODATION

The conference venue is the Carlowitz Congress Center. It is located a ten minute walk from Chemnitz main train station, which provides easy connections to Berlin, Leipzig or Dresden airport. Hans Carl von Carlowitz was the founder of yield forestry, which made important contributions to circular economy. The conference is in the city center with several hotels within a five minute walk and plenty of bars, restaurants etc.

HOST ORGANIZATIONS

The **Chair of Factory Planning and Intralogistics at Chemnitz University of Technology** focusses on the operation of holistic production and service systems. It has strong expertise in modeling and simulation, the design, implementation and operationalization of flexible, integrated production and logistic system solutions as well as in data acquisition and analysis for process monitoring and system diagnostics. Co-organizing industry relevant events, and working closely with industry, the chair focusses on theory driven practice-oriented research that matters. This is also reflected in our cutting-edge research that is published in leading international journals and our teaching, which focusses on preparing students for their future challenges in practice through a strong focus on process thinking and problem-solving skills.

The **Chair of Logistics at the West Saxon University of Applied Sciences Zwickau** is concerned in teaching and applied research with the analysis, modelling, design and digitalization of logistics processes and systems in internal logistics and supply chains. Topics addressed include material management, material flow design, production and supply chain strategies, network design, procurement & supplier management, as well as innovative qualification concepts and the support of decision-making processes. The chair cooperates with renowned research partners as well as companies from a wide range of industries (automotive production, mechanical and plant engineering, electronics, food industry, trade, logistics service providers).