

Conference Agenda

APMS 2025 Conference

Date: Sunday, 31/Aug/2025	
9:00am - 1:30pm	Marco Garetti Doctoral Workshop Location: Rose A-B & Olive A-B
3:00pm - 6:00pm	WG5.7 Annual Meeting Location: Olive A-B For WG members only
6:00pm - 8:00pm	Welcome Reception Location: Shichirigahama 6-7

Conference Schedule (tentative)

Date: Monday, 01/Sept/2025

9:00am - 9:30am	Opening Ceremony Location: Shichirigahama 1-3						
9:30am - 10:30am	Keynote Speech 1: TBD (Mr. Yasuaki Matsunaga) Location: Shichirigahama 1-3 Chair: Toshiya KAIHARA						
10:30am - 11:30am	Keynote Speech 2: Digitalization of manufacturing systems by using Digital Triplet (Prof. Dr. Yasushi Umeda) Location: Shichirigahama 1-3 Chair: Hajime Mizuyama						
11:30am - 12:30pm	Keynote Speech 3: Automation in Manufacturing Sites with Collaborative Robots with Ease of Use even for First-time Robot Users (Mr. Masahiro Morioka) Location: Shichirigahama 1-3 Chair: Hironori Hibino						
12:30pm - 1:30pm	Lunch Location: Shichirigahama 5-6						
1:30pm - 2:50pm	Transforming Engineer-to-Order Projects, Supply Chains, and Systems - Part 1 Location: Rose A Chair: Martin Rudberg Chair: Jo Wessel Strandhagen	Human-Centered Service Engineering and Digital Transformation for Sustainable Service Industries Location: Rose B Chair: Takeshi Shimmura Chair: Takeshi Takenaka	Enhancing the Value Creation Mechanisms of Manufacturing Value Chains through Digital Platforms, Circular Strategies, and Servitization Principles - Part 1 Location: Olive A Chair: Johan Stahre Chair: Federica Acerbi	Designing Next Generation Lean Models Supporting Social, Sustainable, and Smart Production Systems - Part 1 Location: Olive B Chair: Matteo Zanchi Chair: David Romero	Smart Manufacturing Evolution: Integrating AI and the Digital Twin for Human-centric, Circular and Collaborative Production Systems Location: Shichirigahama 1 Chair: Khaled Medini Chair: Thor Wuest	Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 1 Location: Shichirigahama 2 Chair: Tamas Ruppert Chair: Peter Thorvald	Meet the Editors - Part 1 Location: Shichirigahama 3
3:10pm - 4:30pm	Transforming Engineer-to-Order Projects, Supply Chains, and Systems - Part 2 Location: Rose A Chair: Patrick Dallasega Chair: Martin Rudberg	Shaping Human Capital for Industry 5.0: Skills, Knowledge and Technologies for Human-Centric, Resilient, and Sustainable Manufacturing Location: Rose B Chair: Mariantonietta Ferrante Chair: Micaela Vitti	Enhancing the Value Creation Mechanisms of Manufacturing Value Chains through Digital Platforms, Circular Strategies, and Servitization Principles - Part 2 Location: Olive A Chair: David Romero Chair: Johan Stahre	Designing Next Generation Lean Models Supporting Social, Sustainable, and Smart Production Systems - Part 2 Location: Olive B Chair: Federica Costa Chair: Matteo Zanchi	Digital Transformation Approaches in Production and Management - Part 1 Location: Shichirigahama 1 Chair: Selver Softic Chair: Ioan Turcin	Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 2 Location: Shichirigahama 2 Chair: Peter Thorvald Chair: Tamas Ruppert	Advancing Eco-efficient and Circular Industrial Practices - Part 1 Location: Shichirigahama 3 Chair: Albachia Boffelli Chair: Beatrice Colombo
4:50pm - 6:30pm	Transforming Engineer-to-Order Projects, Supply Chains, and Systems - Part 3 Location: Rose A Chair: Jo Wessel Strandhagen Chair: Patrick Dallasega	Innovative approaches and methods for developing industry 4.0 and industry 5.0 skills Location: Rose B Chair: Fabiana Pirola Chair: Emrah Arica	Supply Network Planning and Optimization Location: Olive A Chair: Jonghun Woo Chair: Hermann Lödging	Circular and Green Manufacturing Location: Olive B Chair: Kjeld Nielsen Chair: Konstantinos Kaparis	Digital Transformation Approaches in Production and Management - Part 2 Location: Shichirigahama 1 Chair: Ugljesa Marjanovic Chair: Vlad I. Bocanet	Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 3 Location: Shichirigahama 2 Chair: Peter Thorvald Chair: Tamas Ruppert	Advancing Eco-efficient and Circular Industrial Practices - Part 2 Location: Shichirigahama 3 Chair: Yusuke Kishita Chair: Beatrice Colombo

Conference Schedule (tentative)

Date: Tuesday, 02/Sept/2025

9:00am - 10:00am	Keynote Speech 4: The Future of Lean: Beyond Borders, Beyond Myths, Beyond Human Limits (Prof. Dr. Daryl Powell) Location: Shichirigahama 1-3 Chair: Tomomi Nonaka						
10:00am - 11:00am	Keynote Speech 5: Are the benefits of digitalization, including Industrie 4.0 and AI, really contributing to the realization of a sustainable society? Introducing an international project focusing on the Human-Machine-Interaction (Dr. Youichi Nonaka) Location: Shichirigahama 1-3 Chair: Eiji Morinaga						
11:00am - 12:00pm	Keynote Speech 6: Development and Social implementation of Interverse services - circulating the value between the meta-verse and the universe - (Dr. Masaaki Mochimaru) Location: Shichirigahama 1-3 Chair: Toshiya KAIHARA						
12:00pm - 1:00pm	Lunch Location: Shichirigahama 5-6						
1:00pm - 2:40pm	Digital Services and Smart Product-Service Systems Location: Rose A Chair: Regina Schrank Chair: Mike Freitag	Methods and Tools for Assessing the Value of Digital, Sustainable and Servitized Offerings of Manufacturing Companies Location: Rose B Chair: Claudio Sassanelli Chair: Giuditta Pezzotta	AI-Driven Decision Support and Human-AI Collaboration for Smart and Sustainable Supply Chains - Part 1 Location: Olive A Chair: Giovanni Zenezini	Digital Twins and AI for Dynamic Scheduling and Human-Centric Applications - Part 1 Location: Olive B Chair: Yongkuk Jeong Chair: Magnus Wiktorsson	Digital Transformation Approaches in Production and Management - Part 3 Location: Shichirigahama 1 Chair: Selver Softic Chair: Ioan Turcin	Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 4 Location: Shichirigahama 2 Chair: Johan Stahre Chair: Vittaldas V. Prabhu	APMS Talks - Part 1 Location: Shichirigahama 3
3:00pm - 4:40pm	How Supply Chain Can React to Internal and External Disruptions? - Part 1 Location: Rose A Chair: Giulio Mangano Chair: Chandima Ratnayake	Enabling Circularity in Batteries & E-Waste with Digital Technologies: From Production to Recycling - Part 1 Location: Rose B Chair: Mélanie Despeisse Chair: Koteshwar Chirumalla	AI-Driven Decision Support and Human-AI Collaboration for Smart and Sustainable Supply Chains - Part 2 Location: Olive A Chair: Eduardo e Oliveira Chair: Alexandra Lagorio	Digital Twins and AI for Dynamic Scheduling and Human-Centric Applications - Part 2 Location: Olive B Chair: Jonghun Woo Chair: Erik Flores-Garcia	Digital Transformation Approaches in Production and Management - Part 4 Location: Shichirigahama 1 Chair: Ugljesa Marjanovic Chair: Selver Softic	Artificial Intelligence / Machine Learning in Manufacturing - Part 1 Location: Shichirigahama 2 Chair: Boonserm Kulvatunyou Chair: Jürgen Lenz	APMS Talks - Part 2 Location: Shichirigahama 3
5:00pm - 6:00pm	How Supply Chain Can React to Internal and External Disruptions? - Part 2 Location: Rose A Chair: Giulio Mangano Chair: Albachiara Boffelli	Enabling Circularity in Batteries & E-Waste with Digital Technologies: From Production to Recycling - Part 2 Location: Rose B Chair: Koteshwar Chirumalla Chair: Mélanie Despeisse	Sustainable Product Design and Engineering Location: Olive A Chair: Alessia Napoleone Chair: Seyoum Eshetu Birkie	Simulation of Production and Supply Chains Location: Olive B Chair: Hyun Woo Jeon Chair: Eiji Morinaga	Meet the Editors - Part 2 Location: Shichirigahama 1	Artificial Intelligence / Machine Learning in Manufacturing - Part 2 Location: Shichirigahama 2 Chair: Jonghun Woo Chair: Marcelo Tsuguio Okano	
6:30pm - 9:00pm	Gala Dinner Location: Shichirigahama 3&5-7						

Conference Schedule (tentative)

Date: Wednesday, 03/Sept/2025

8:30am - 12:30pm	Applications of Artificial Intelligence in Supply Chain Management - Challenges and Opportunities Location: Shichirigahama 2					
9:00am - 10:20am	Maintenance and Asset Lifecycle Management for Sustainable and Human-centered Production - Part 1 Location: Rose A-B Chair: Jon Bokrantz Chair: Adalberto Polenghi	Upgrade Circular Economy for the manufacturing industry - Part 1 Location: Olive A Chair: Regina Schrank Chair: Emrah Arica	Scheduling and Production Planning in Smart Manufacturing - Part 1 Location: Olive B Chair: Takashi Tanizaki Chair: Koji Iwamura	Cloud and Collaborative Technologies Location: Shichirigahama 1 Chair: Marcelo Tsugio Okano Chair: Georgios Zois		Cyber-Physical System-Based Approaches to Achieve Sustainability Location: Shichirigahama 3 Chair: Wassim BOUAZZA Chair: Enrique Ruiz Zúñiga
10:40am - 12:00pm	Maintenance and Asset Lifecycle Management for Sustainable and Human-centered Production - Part 2 Location: Rose A-B Chair: Irene Roda Chair: Adalberto Polenghi	Upgrade Circular Economy for the manufacturing industry - Part 2 Location: Olive A Chair: Regina Schrank Chair: Tomiya Kimura	Scheduling and Production Planning in Smart Manufacturing - Part 2 Location: Olive B Chair: Koji Iwamura Chair: Takashi Tanizaki	Experiential Learning in Engineering Education - Part 1 Location: Shichirigahama 1 Chair: Giovanni Romagnoli Chair: Matthias Kalverkamp		Industrial Data Spaces and Sustainability Location: Shichirigahama 3 Chair: Oliver Antons Chair: Wieslaw Urban
12:00pm - 1:10pm	Lunch Location: Shichirigahama 5-6					
1:10pm - 2:10pm		Mechanism Design for Production, Service and Supply Chain Management - Part 1 Location: Olive A-B Chair: Ryuichiro Ishikawa Chair: Nariaki Nishino	Experiential Learning in Engineering Education - Part 2 Location: Shichirigahama 1 Chair: Jannicke Baalsrud Hauge Chair: Matthias Kalverkamp	Theoretical and Practical Advances in Human-Centric, Resilient, and Sustainable Supply Chain Management - Part 1 Location: Shichirigahama 2 Chair: Aya Ishigaki Chair: Ziang Liu		Digital Technologies in Manufacturing and Logistics: Exploring Digital Twin, IoT, and Additive Manufacturing - Part 1 Location: Shichirigahama 3 Chair: Eiji Morinaga Chair: Toshitake Tateno
2:25pm - 3:45pm	Digital Track 1 Location: Rose A-B Chair: Eiji Morinaga	Mechanism Design for Production, Service and Supply Chain Management - Part 2 Location: Olive A-B Chair: Shota Suginochi Chair: Ryuichiro Ishikawa	Enhancing Value Chain Resilience through Digital Technologies Location: Shichirigahama 1 Chair: Thomas Brunø Chair: Kjeld Nielsen	Theoretical and Practical Advances in Human-Centric, Resilient, and Sustainable Supply Chain Management - Part 2 Location: Shichirigahama 2 Chair: Ziang Liu Chair: Aya Ishigaki		Digital Technologies in Manufacturing and Logistics: Exploring Digital Twin, IoT, and Additive Manufacturing - Part 2 Location: Shichirigahama 3 Chair: Tatsuhiko Sakaguchi Chair: Nestor Fabian Ayala
4:00pm - 5:00pm	Digital Track 2 Location: Rose A-B Chair: Eiji Morinaga	Mechanism Design for Production, Service and Supply Chain Management - Part 3 Location: Olive A-B Chair: Nariaki Nishino Chair: Ryuichiro Ishikawa		Theoretical and Practical Advances in Human-Centric, Resilient, and Sustainable Supply Chain Management - Part 3 Location: Shichirigahama 2 Chair: Aya Ishigaki Chair: Ziang Liu		Digital Technologies in Manufacturing and Logistics: Exploring Digital Twin, IoT, and Additive Manufacturing - Part 3 Location: Shichirigahama 3 Chair: Daisuke Kokuryo Chair: Marvin Carl May
5:30pm - 6:00pm	Closing Ceremony Location: Shichirigahama 1-2					

Date: Thursday, 04/Sept/2025

	Industrial Tour
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