

## APMS 2025 Conference Schedule

### Conference Agenda

#### APMS 2025 Conference

Date: Sunday, 31/Aug/2025	
9:00am - 1:30pm	<b>Marco Garetti Doctoral Workshop</b> Location: <b>Rose A-B &amp; Olive A-B</b>
3:00pm - 5:30pm	<b>WG5.7 Annual Meeting</b> Location: <b>Olive A-B</b> For WG members only
6:00pm - 8:00pm	<b>Welcome Reception</b> Location: <b>Shichirigahama 6-7</b>

# APMS 2025 Conference Schedule

**Date: Monday, 01/Sept/2025**

9:00am - 9:30am	<b>Opening Ceremony</b> Location: <b>Shichirigahama 1-3</b>						
9:30am - 10:30am	<b>Keynote Speech 1: Monozukuri (Manufacturing) and digital transformation (DX) Promotion at an Automotive Component Manufacturer (Mr. Yasuaki Matsunaga)</b> Location: <b>Shichirigahama 1-3</b> Chair: Toshiya KAIHARA						
10:30am - 11:30am	<b>Keynote Speech 2: Digitalization of manufacturing systems by using Digital Triplet (Prof. Dr. Yasushi Umeda)</b> Location: <b>Shichirigahama 1-3</b> Chair: Hajime Mizuyama						
11:30am - 12:30pm	<b>Keynote Speech 3: Automation in Manufacturing Sites with Collaborative Robots with Ease of Use even for First-time Robot Users (Mr. Masahiro Morioka)</b> Location: <b>Shichirigahama 1-3</b> Chair: Hironori Hibino						
12:30pm - 1:30pm	<b>Lunch</b>						
1:30pm - 2:50pm	<b>Transforming Engineer-to-Order Projects, Supply Chains, and Systems - Part 1</b> Location: <b>Rose A</b> Chair: Martin Rudberg Chair: Jo Wessel Strandhagen		<b>Enhancing the Value Creation Mechanisms of Manufacturing Value Chains through Digital Platforms, Circular Strategies, and Servitization Principles - Part 1</b> Location: <b>Olive A</b> Chair: Johan Stahre Chair: Federica Acerbi	<b>Designing Next Generation Lean Models Supporting Social, Sustainable, and Smart Production Systems - Part 1</b> Location: <b>Olive B</b> Chair: Matteo Zanchi Chair: David Romero	<b>Smart Manufacturing Evolution: Integrating AI and the Digital Twin for Human-centric, Circular and Collaborative Production Systems</b> Location: <b>Shichirigahama 1</b> Chair: Stefan Alexander Wiesner Chair: Thor Wuest	<b>Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 1</b> Location: <b>Shichirigahama 2</b> Chair: Tamas Ruppert Chair: Peter Thorvald	<b>Human-Centered Service Engineering and Digital Transformation for Sustainable Service Industries</b> Location: <b>Shichirigahama 3</b> Chair: Takeshi Shimmura Chair: Takeshi Takenaka
2:50pm - 3:00pm	<b>Break</b>						
3:00pm - 4:20pm	<b>Transforming Engineer-to-Order Projects, Supply Chains, and Systems - Part 2</b> Location: <b>Rose A</b> Chair: Patrick Dallasega Chair: Martin Rudberg	<b>Shaping Human Capital for Industry 5.0: Skills, Knowledge and Technologies for Human-Centric, Resilient, and Sustainable Manufacturing</b> Location: <b>Rose B</b> Chair: Mariantonietta Ferrante Chair: Micaela Vitti	<b>Enhancing the Value Creation Mechanisms of Manufacturing Value Chains through Digital Platforms, Circular Strategies, and Servitization Principles - Part 2</b> Location: <b>Olive A</b> Chair: David Romero Chair: Johan Stahre	<b>Designing Next Generation Lean Models Supporting Social, Sustainable, and Smart Production Systems - Part 2</b> Location: <b>Olive B</b> Chair: Federica Costa Chair: Matteo Zanchi	<b>Digital Transformation Approaches in Production and Management - Part 1</b> Location: <b>Shichirigahama 1</b> Chair: Selver Softic Chair: Ioan Turcin	<b>Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 2</b> Location: <b>Shichirigahama 2</b> Chair: Peter Thorvald Chair: Tamas Ruppert	<b>Advancing Eco-efficient and Circular Industrial Practices - Part 1</b> Location: <b>Shichirigahama 3</b> Chair: Albachiara Boffelli Chair: Beatrice Colombo
4:20pm - 4:50pm	<b>Coffee Break</b>						
4:50pm - 6:30pm	<b>Transforming Engineer-to-Order Projects, Supply Chains, and Systems - Part 3</b> Location: <b>Rose A</b> Chair: Jo Wessel Strandhagen Chair: Patrick Dallasega	<b>Innovative approaches and methods for developing industry 4.0 and industry 5.0 skills</b> Location: <b>Rose B</b> Chair: Fabiana Pirola Chair: Emrah Arica	<b>Supply Network Planning and Optimization</b> Location: <b>Olive A</b> Chair: Jonghun Woo Chair: Hermann Lödging	<b>Circular and Green Manufacturing</b> Location: <b>Olive B</b> Chair: Kjeld Nielsen Chair: Konstantinos Kaparis	<b>Digital Transformation Approaches in Production and Management - Part 2</b> Location: <b>Shichirigahama 1</b> Chair: Ugljesa Marjanovic Chair: Vlad I. Bocanet	<b>Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 3</b> Location: <b>Shichirigahama 2</b> Chair: Peter Thorvald Chair: Tamas Ruppert	<b>Advancing Eco-efficient and Circular Industrial Practices - Part 2</b> Location: <b>Shichirigahama 3</b> Chair: Yusuke Kishita Chair: Beatrice Colombo

# APMS 2025 Conference Schedule

**Date: Tuesday, 02/Sept/2025**

9:00am - 10:00am	<b>Keynote Speech 4: The Future of Lean: Beyond Borders, Beyond Myths, Beyond Human Limits (Prof. Dr. Daryl Powell)</b> Location: <b>Shichirigahama 1-3</b> Chair: <b>Tomomi Nonaka</b>						
10:00am - 11:00am	<b>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)</b> Location: <b>Shichirigahama 1-3</b> Chair: <b>Eiji Morinaga</b>						
11:00am - 12:00pm	<b>Keynote Speech 6: Development and Social implementation of Interverse services - circulating the value between the meta-verse and the universe - (Dr. Masaaki Mochimaru)</b> Location: <b>Shichirigahama 1-3</b> Chair: <b>Toshiya KAIHARA</b>						
12:00pm - 1:00pm	<b>Lunch</b>						
1:00pm - 2:40pm	<b>Digital Services and Smart Product-Service Systems</b> Location: <b>Rose A</b> Chair: <b>Regina Schrank</b> Chair: <b>Mike Freitag</b>	<b>Methods and Tools for Assessing the Value of Digital, Sustainable and Servitized Offerings of Manufacturing Companies</b> Location: <b>Rose B</b> Chair: <b>Claudio Sassanelli</b> Chair: <b>Giuditta Pezzotta</b>	<b>AI-Driven Decision Support and Human-AI Collaboration for Smart and Sustainable Supply Chains - Part 1</b> Location: <b>Olive A</b> Chair: <b>Giovanni Zenezini</b> Chair: <b>Maria Pereira</b>	<b>Digital Twins and AI for Dynamic Scheduling and Human-Centric Applications - Part 1</b> Location: <b>Olive B</b> Chair: <b>Yongkuk Jeong</b> Chair: <b>Magnus Wiktorsson</b>	<b>Digital Transformation Approaches in Production and Management - Part 3</b> Location: <b>Shichirigahama 1</b> Chair: <b>Selver Softic</b> Chair: <b>Ioan Turcin</b>	<b>Human-centred Work Systems for the Operator 4.0/5.0 in Manufacturing, Logistics, and Service Domains - Part 4</b> Location: <b>Shichirigahama 2</b> Chair: <b>Johan Stahre</b> Chair: <b>Vittaldas V. Prabhu</b>	<b>APMS Talks - Part 1</b> Location: <b>Shichirigahama 3</b>
2:40pm - 2:50pm	<b>Break</b>						
2:50pm - 4:30pm	<b>How Supply Chain Can React to Internal and External Disruptions? - Part 1</b> Location: <b>Rose A</b> Chair: <b>Giulio Mangano</b> Chair: <b>Chandima Ratnayake</b>	<b>Enabling Circularity in Batteries &amp; E-Waste with Digital Technologies: From Production to Recycling - Part 1</b> Location: <b>Rose B</b> Chair: <b>Mélanie Despeisse</b> Chair: <b>Koteshwar Chirumalla</b>	<b>AI-Driven Decision Support and Human-AI Collaboration for Smart and Sustainable Supply Chains - Part 2</b> Location: <b>Olive A</b> Chair: <b>Eduardo e Oliveira</b> Chair: <b>Alexandra Lagorio</b>	<b>Digital Twins and AI for Dynamic Scheduling and Human-Centric Applications - Part 2</b> Location: <b>Olive B</b> Chair: <b>Jonghun Woo</b> Chair: <b>Erik Flores-García</b>	<b>Digital Transformation Approaches in Production and Management - Part 4</b> Location: <b>Shichirigahama 1</b> Chair: <b>Ugljesa Marjanovic</b> Chair: <b>Selver Softic</b>	<b>Artificial Intelligence / Machine Learning in Manufacturing - Part 1</b> Location: <b>Shichirigahama 2</b> Chair: <b>Boonserm Kulvatunyou</b> Chair: <b>Jürgen Lenz</b>	<b>APMS Talks - Part 2</b> Location: <b>Shichirigahama 3</b>
4:30pm - 5:00pm	<b>Coffee Break</b>						
5:00pm - 6:00pm	<b>How Supply Chain Can React to Internal and External Disruptions? - Part 2</b> Location: <b>Rose A</b> Chair: <b>Giulio Mangano</b> Chair: <b>Albachiara Boffelli</b>	<b>Enabling Circularity in Batteries &amp; E-Waste with Digital Technologies: From Production to Recycling - Part 2</b> Location: <b>Rose B</b> Chair: <b>Koteshwar Chirumalla</b> Chair: <b>Mélanie Despeisse</b>	<b>Sustainable Product Design and Engineering</b> Location: <b>Olive A</b> Chair: <b>Alessia Napoleone</b> Chair: <b>Seyoum Eshetu Birkie</b>	<b>Simulation of Production and Supply Chains</b> Location: <b>Olive B</b> Chair: <b>Hyun Woo Jeon</b> Chair: <b>Daisuke Kokuryo</b>	<b>Meet the Editors: Design, Manufacturing &amp; Production Management</b> Location: <b>Shichirigahama 1</b> Chair: <b>David Romero</b>	<b>Artificial Intelligence / Machine Learning in Manufacturing - Part 2</b> Location: <b>Shichirigahama 2</b> Chair: <b>Sang Do Noh</b> Chair: <b>Marcelo Tsuguio Okano</b>	
6:30pm - 9:00pm	<b>Gala Dinner</b> Location: <b>Shichirigahama 3&amp;5-7</b>						

# APMS 2025 Conference Schedule

**Date: Wednesday, 03/Sept/2025**

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

APMS 2025 Conference Schedule

Date: Thursday, 04/Sept/2025	
	Industrial Tour