



AI

in Manufacturing Summit

17th and 18th
of January 2024

AI is transforming manufacturing – but where does the hype end and reality begin? Uncover the truth at our by-invitation-only seminar at ETH Zurich, a meeting point for industry leaders and academic experts. Enhance your experience with a special excursion to the AI House during the 2024 World Economic Forum Annual Meeting in Davos.



ETH zürich

Production and
Operations Management



ETH AI CENTER



AI HOUSE

 ethon.ai

For any inquiries regarding the event, feel free to reach out to our dedicated support team as listed below.

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A boutique summit organized by ETH Zurich, Chair of Production and Operations Management (Prof. Netland), EthonAI, and the ETH AI Center.

AI in Manufacturing Summit

Wednesday

17th of January 2024

The Davos Experience

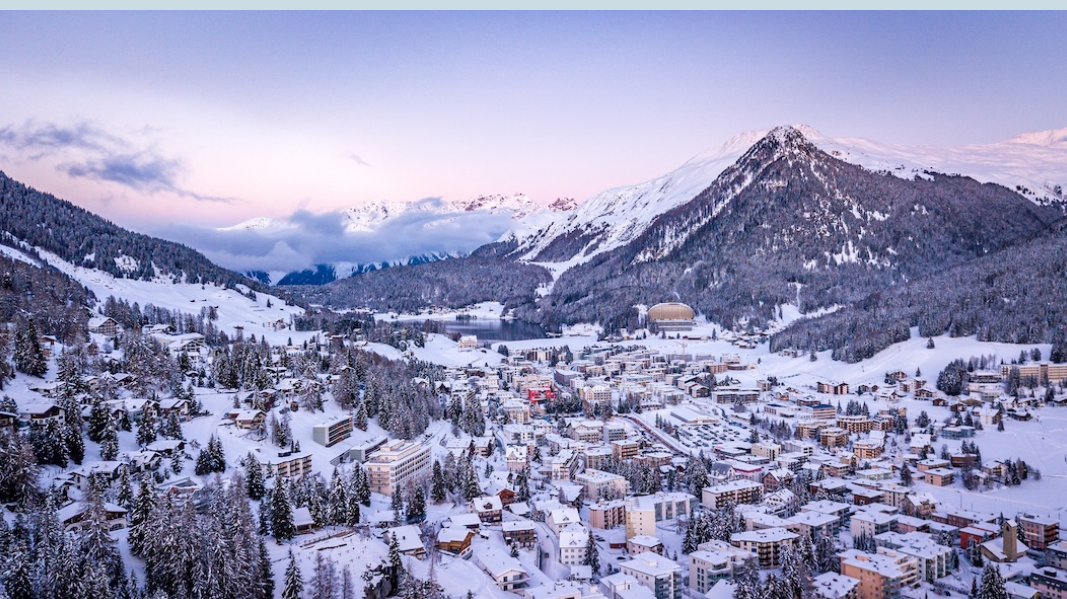
Welcome to a day of networking, insights, and experiences. Connect with manufacturing leaders and experts while exploring the rich side program at the 2024 Annual Meeting of the World Economic Forum in Davos. Conclude your day with a warm welcome at the AI House for a panel debate on “AI and the Future Factory.”

Please note:

A personal invitation is required to attend the AI in Manufacturing Summit. This invitation does not provide access to the official program for the 2024 Annual Meeting of the World Economic Forum in Davos.

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- 10:00 **Welcome at meeting point**
At Bus Parkplatz Sihlquai, 8005 Zürich
Bus departs 10:15 sharp
- 11:30 – 13:30 **Lunch by Walensee**
At Sagibeiz, Alte Staatsstrasse 6, 8877 Murg
- 15:00 – 17:00 **Explore the side program of the 2024 Annual Meeting of the World Economic Forum on the Promenade Street**
At Promenade, 7270 Davos Platz

The side program offers a rich bouquet of experiences and smaller events from companies and organizations that are present in Davos during the Annual Meeting. Companies usually present in Davos include SAP, Amazon, JERA, Fujitsu, Qualcomm, Intel, Dell, Cisco, Microsoft, blockchain companies, and large consulting companies. The side program takes place in houses on a kilometer-long strip of Promenade Street, just outside the main Annual Meeting. Please note that some of the side events require separate registration, which may sometimes be obtainable onsite in advance of the event. Simply ask. Whenever you need a break, you're always welcome to the AI House.



AI in Manufacturing Summit

Wednesday

17th of January 2024

17:00 – 18:15

AI and the Future Factory

At AI House Davos, Promenade 68, 7270 Davos Platz

Your participation in the AI in Manufacturing Summit includes a registration to this panel debate, featuring four of your fellow participants. Please be on time.

Program Insight

Format: Interactive panel discussion

How will AI shape the future of work in manufacturing? Will we finally realize the vision of the self-aware, lights-out factory? Beyond predictive maintenance, energy management, and quality inspection, what are the most promising AI use cases? Is Generative AI the next big thing for manufacturing, or just hype? What is the role of humans, and what will human work look like in the AI-driven factory? This moderated panel debate will provide answers to these and other questions.

Moderator: Prof. **Torbjørn Netland**, Full Professor, Chair of Production and Operations Management, ETH Zurich, Faculty member ETH AI Center & Member of WEF Global Future Council on Advanced Manufacturing and Value Chains

Participants:

- Dr. **Gunter Beitinger**, Senior Vice President, Head of Factory Digitalization, Siemens
- Prof. **Alexandra Brintrup**, Professor of Digital Manufacturing and Head of Supply Chain AI Lab, University of Cambridge
- **Eric Enselme**, Executive Fellow Center for Advanced Manufacturing and Supply Chains, World Economic Forum
- Dr. **Julian Senoner**, CEO, EthonAI

18:30 – 19:30

Reception at AI House

At AI House Davos, Promenade 68, 7270 Davos Platz

Apéro & networking opportunities



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- 19:30 – 20:00 **Food Truck Break**
By [Hotel Europe, Promenade 63, 7270 Davos](#)
Optional food break before driving back to Zürich. Choice of Greek, French & Tibetan cuisine food trucks
- 20:00 **Reconvene at bus departure point**
By [Hotel Europe, Promenade 63, 7270 Davos](#)
Departure 20:15 sharp, estimated arrival back in Zürich by 22:30

Thursday

18th of January 2024

Workshop at ETH Zürich

Industry leaders and experts gather for a day of discussions on the future of AI technology in manufacturing. In an interactive session, participants start by sharing back what they learned in Davos. Two panels will focus on the latest trends in manufacturing AI and how to scale AI use cases across the enterprise. We end with a networking lunch.

At [Leonhardstrasse 21, 8092 Zürich](#)

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- 09:00 – 09:15 **Welcome to the ETH LEE Building**
Coffee and tea available
- 09:15 – 10:00 **Reflection & Takeaways**
Reflect on yesterday's learnings as we kick off this second day with a common brainstorming session. Share your insights and ideas and learn from others.
- 10:00 – 10:15 **Break**
Coffee and snacks available

AI in Manufacturing Summit

Thursday

18th of January 2024

10:15 – 11:00 **Latest Trends in Manufacturing AI**

Program Insight

Format: Moderated panel discussion

Artificial Intelligence is transforming manufacturing, or is it? What's next after predictive maintenance and AI-driven quality control? The latest trends in Manufacturing AI are Generative AI and Causal AI but how are these technologies used, and what's the potential? How does AI-driven analytics reshape decision-making and predictive insights? ChatGPT can provide some answers to these questions but not as accurately and insightful as our panelists.

Moderator: Dr. **Julian Senoner**, Chief Executive Officer and Co-Founder of EthonAI, Doctor of Science from the Chair of Production and Operations and Management from ETH Zürich

Participants:

- Dr. **Matthias Graeber**, Head of Data Science at Bühler Group, Doctor of Philosophy in Physics in Nanotechnology and Quantum Devices from the University of Basel
- Dr. **Sigmund Hope**, Vice President Digitalization at Aker Solutions, Doctor of Philosophy in Physics from the Norwegian University of Science and Technology (NTNU)
- Prof. **Olga Fink**, Assistant Professor of Intelligent Maintenance and Operations Systems at the École Polytechnique Fédérale de Lausanne (EPFL)
- Prof. **Stefan Feuerriegel**, Full Professor at the Ludwig-Maximilians-Universität München (LMU), Head of Institute of Artificial Intelligence (AI) in Management

11:00 – 11:15 **Break**

Coffee and snacks available



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Thursday

18th of January 2024

11:15 – 12:00 **Scaling AI Across the Enterprise**

Program Insight

Format: Moderated panel discussion

Delve into scaling AI in large enterprises. What challenges arise in integrating AI into big corporations, and what innovative solutions drive success? Explore the strategic landscape shaping the future of AI scalability in major industry players.

Moderator: Prof. **Torbjørn Netland**, Full Professor, Chair of Production and Operations Management, ETH Zurich, Faculty member ETH AI Center & Member of WEF Global Future Council on Advanced Manufacturing and Value Chains

Participants:

- Prof. **Gisela Lanza**, Director and Full Professor of Production Systems and Quality Management at the Karlsruhe Institute of Technology
- Dr. **Thorsten Widmer**, Vice President, Digitalization Manufacturing, Robert Bosch GmbH, Doctor of Science in Physics from the Paderborn University
- Dr. **Bernhard Kratzwald**, Chief Technology Officer and Co-Founder at EthonAI, Doctor of Sciences in Management Information Systems from ETH Zürich
- Prof. **Jay Lee**, Director of Industrial AI Center, Dept. of Mechanical Engineering at the University of Maryland, Member of Global Future Council on Advanced Manufacturing and Value Chains at the World Economic Forum

12:00 – 13:00 **Summary and Conclusions**

Summarize the highlights and take-aways of the last two days. What is next for your organization? What is next for you?

13:15 – 14:30 **Lunch and Farewell**

At Dozentenfoyer, ETH-Zentrum, Rämistrasse 101, 8092 Zürich