



inspire

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**Swiss AM Forum 2022 –  
AI in advanced manufacturing**

**St. Gallen**

**postponed and now as  
SWISS AM FORUM 2022  
on Thursday 7 April 2022**

**IBAN**

**satw**

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# Swiss AM Forum 2022 – AI in advanced manufacturing

Artificial intelligence (AI) tools and methods are widely discussed for their potentials, limitations and risks in science, industry, but also in society. The Swiss Rapid Forum 2022 (originally planned as Swiss AM Forum 2021) discusses and highlights the potentials of AI in advanced manufacturing technologies such as e.g. additive manufacturing, and other technologies.

The Swiss Rapid Forum is organized by inspire and under the patronage of the SATW topical platforms “Additive manufacturing” and “Artificial Intelligence” and the AM-Network

## **Target groups**

Target groups are experts from industry and academia as well as more generally people with interests in advanced manufacturing technologies and artificial intelligence.

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## Programme

- 09:00 Arrival of participants, coffee & networking
- 09:45 Welcome notice of inspire (Dr Ralf Gerdes)
- 10:00 Welcome notice of SATW  
-> Topical platform AM (Dr Adriaan Spierings, inspire)  
-> Topical platform Artificial Intelligence (Dr Alessandro Curioni, IBM)
- 10:15 Welcome notice of the AM-Network (Hendrik Holsboer)
- 10:25 **Approaches for AI in production engineering**  
including Q&A (Prof. Konrad Wegener)
- 11:05 **Artificial Intelligence for product quality optimization: Practical applications in Direct Energy Deposition**  
including Q&A (Dr Stefano Baraldo, Daniel Knüttel, Prof. Anna Valente, Dr Adriaan Spierings)
- 11:50 Lunch & Networking  
For interested guests:  
-> Visit of the new additive manufacturing lab facilities of inspire – icams (in groups)  
-> Option for a virtual reality visit of inspire labs in Zurich
- 13:30 **How Bühler is using data to optimize manufacturing processes**  
including Q&A (Dr Matthias Graeber, Bühler AG)
- 14:10 **AI-driven cloud-based autonomous lab**  
including Q&A (Dr Teodoro Laino, IBM Research Europe)
- 14:50 Coffee Break & networking
- 15:20 **AI-based process models for advanced manufacturing processes**  
including Q&A (Prof. Markus Bambach, ETH Zurich)
- 15:55 **Panel discussion on needs to foster the implementation of AI in advanced manufacturing**
- 16:30 Closing remarks

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## Conference Language

English

## Location

Startfeld Innovation Centre  
Fürstenlandstrasse 122  
(Entrance Lerchenfeldstrasse 3)  
9014 St.Gallen  
www.startfeld.ch

Parking spaces are limited. Travel by public transport is recommended.



## Registration

[satw.ch/am-forum](http://satw.ch/am-forum)

## Organisation

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