



inspire

Swiss AM Forum 2021 – AI in advanced manufacturing

Thursday 25 March 2021*

St. Gallen

* If the pandemic situation makes it impossible to hold the event in March, it will be postponed to an alternative date, namely

Thursday 10 June 2021

 **AM Network**
Additive Manufacturing

satw
it's all about technology

Swiss AM Forum 2021 – 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 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.

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 **“Operator integrated”: New approaches for intelligent AM systems**
including Q&A (Dr Adriaan Spierings, Christoph Skrabel (inspire)
- 15:55 **Panel discussion on needs to foster the implementation of AI in advanced manufacturing**
- 16:30 Closing remarks

Conference Language

English

Location

Startfeld Innovation Centre
Fürstenlandstrasse 122
9014 St.Gallen
www.startfeld.ch



Registration

satw.ch/am-forum

Organisation

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