



Swiss  
Advanced Manufacturing  
Community Events



## SAMCE 2022 I Summer Event

September 15 (+16), ETH Zurich

The Swiss Advanced Manufacturing Community Events ([SAMCE](#)) provide a platform to unite and to connect scientists with sparking ideas. Together we want to build a strong scientific advanced manufacturing community in Switzerland. This summer event will be our **first in-person event**. We have a dense and diversified program – see below - with different modules described in more detail on our [website](#). On the optional second event day, researchers can participate in workshops to discuss challenges faced by the Swiss industry.

We invite active participants who strive for scientific exchange and who are prepared to share and discuss ideas, to collaborate with colleagues across disciplines and institutions. We are looking for contributions for the following 12 topics:

### Production Technologies



Additive Manufacturing / 3D Printing



Coating and Printing



Light-induced and Laser Processing



High Precision Machining and Forming



Nano-Fabrication



Joining

### Cross-Technology Topics



Sustainable Manufacturing Technologies



Product Development and Design



Process and Quality Monitoring and Control



Robots, Automation, and Learning Systems



Modelling and Simulation



Functionality Integration

### Industry Workshop (optional)

On the second day of the event, we are offering the opportunity to get in contact with experts from industry, learn about technical challenges they face and discuss together possible solutions. The target audience is **young researchers** who want to learn about applied research outside academia, but also **senior researchers** who seek interesting collaborations with industry partners.















### Registration

The participation in the [SAMCE Summer Event 2022](#) is **free of charge**, but the number of participants is limited. Registrations with proposals for a contribution are prioritized. Please [register online](#) and submit your short abstract by **30 June 2022**.

A joint initiative of SATW, ETH Zürich, EPFL, Empa and the Strategic Focus Area Advanced Manufacturing

# Program

## Day 1 – September 15

10:00		<b>UNITE</b> Welcome and introduction
10:10		<b>INSPIRE</b> A visionary keynote to present the bigger picture
<b>PRODUCTION TECHNOLOGIES</b> (3 parallel sessions)		
10:45		<b>ENTER</b> Introduction to session topics
10:55		<b>IGNITE</b> Investigators show how they cross borders & enter new territory
11:20		<b>CONNECT</b> Scientists present you a challenge they are currently facing in their research
11:45		<b>EXCHANGE</b> Discussions with session speakers
12:15		Lunch Break
13:30		<b>INSPIRE</b> A visionary keynote to present the bigger picture
14:00		<b>DISCUSS</b> Small group discussions about key challenges and technological breakthroughs
<b>CROSS-TECHNOLOGY TOPICS</b> (3 parallel sessions)		
14:55		<b>ENTER</b> Introduction to session topics
15:05		<b>IGNITE</b> Investigators show how they cross borders & enter new territory
15:30		<b>CONNECT</b> Scientists present you a challenge they are currently facing in their research
15:55		<b>EXCHANGE</b> Discussions with session speakers
16:30		<b>CONCLUDE</b> What have we learned and what next? - Award ceremony
17:00		<b>End of conference</b>
17:30		<b>ENJOY</b> Enjoy our community with drinks, food and a bowling competition

## Day 2 – September 16 (optional)

### INDUSTRY WORKSHOP

08:30-12:00