

Materials make the difference

Sustainable and new approaches in fibre-composites



Bridge with CFRP-Hangers (Photo: Andreas Schnubel, sbp)

In cooperation with the ETH Zürich, Laboratory of Composite Materials and Adaptive Structures, and Composites United Schweiz.

Conference Goals

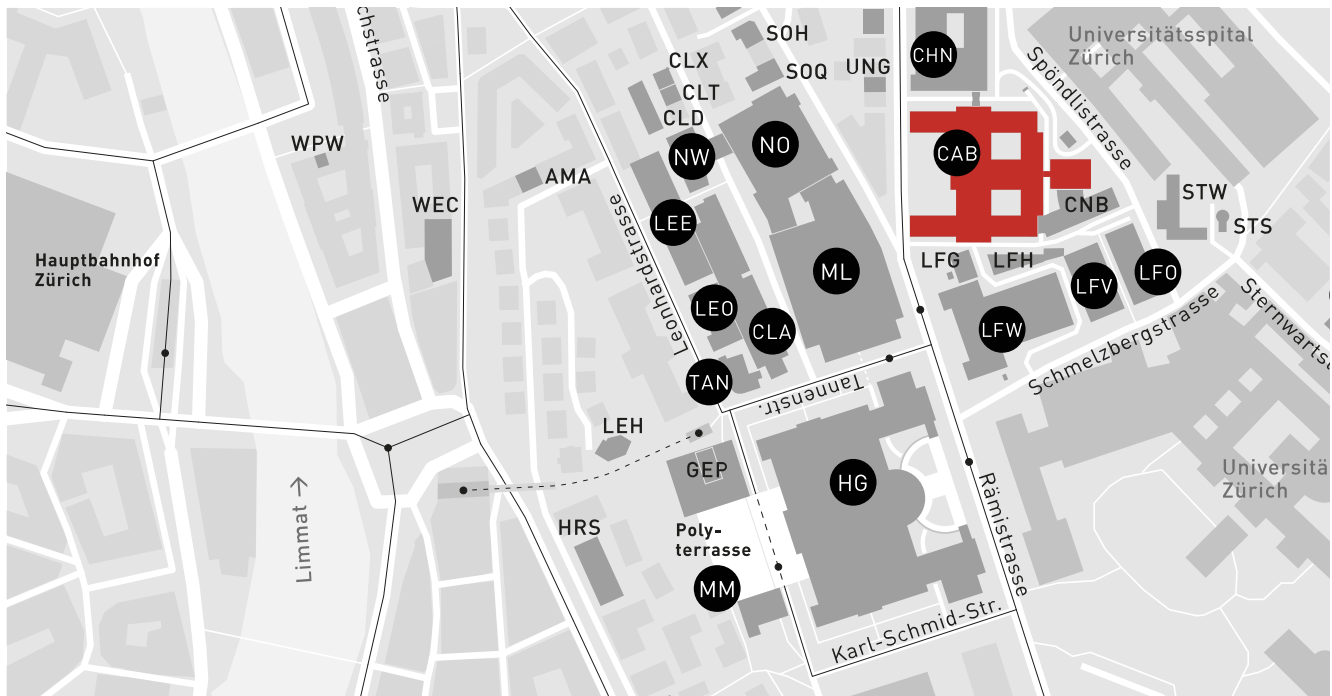
The Swiss SAMPE chapter, the ETH Zürich (Laboratory of Composite Materials and Adaptive Structures) and Composites United Switzerland are very pleased to invite you to the biannual Swiss SAMPE Technical Conference. The conference concentrates on the opportunities associated to new and sustainable materials for lightweight composite parts.

The composites industry will face major challenges in the coming years that can only be solved with new and sustainable materials and new approaches in design.

This one-day conference will provide a overview around this topic. It will provide fundamental insights to strategic approaches but also offer detailed views on on-going research and applications in the material field.

Location

The event will take place at ETH Zürich, Zentrum Campus, CH-8092 Zurich, in room CAB G 51.



How to reach the venue:

- From the Zurich Main Station: tram no. 6 (Direction: Zoo) or tram no. 10 (Direction: Zürich Flughafen), Stop: ETH/Universitätsspital
- From Central: Polybahn

Programme

09:00	Registration & coffee
09:30	Opening address <i>Hans-Jürg Gysin, President Swiss SAMPE Chapter</i> <i>Prof. Dr. Paolo Ermanni / Dr. Georgios Pappas, ETH Zürich, CMASLab</i>
09:40	Keynote: Circularity from design to production in aircraft industry <i>Dr. Christian Keun, CompriseTec GmbH, President of SAMPE global</i>
10:10	Sustainability of Arch Network Bridges with CFRP Hangers <i>Dr. Andreas Winistörfer, CEO Carbo-Link AG</i>
10:40	Coffee Break
11:00	Innovative Adhesive Technologies for Sustainable Composite Applications <i>Dr. Claudio Di Fratta, SIKA</i>
11:30	Approaching net zero with bio-based sandwich structures using balsa core materials <i>Hannes Eggenschwiler, 3A Composites Core Materials / Airex AG</i>
12:00	Lunch & Networking
13:00	Cellulose nano-fibrils and bacterial cellulose - sustainable alternatives for high-strength rigid boards <i>Dr. Thomas Geiger, Empa</i>
13:30	Thin-ply thermoplastic composites for sustainable and adaptable lightweight structures <i>Dr. Georgios Pappas, ETH Zurich, CMASLab</i>
14:00	3D Printing with Liquid crystal polymers <i>Dr. Raphael Heeb, NematX</i>
14:30	Coffee Break
14:50	Student Contest Swiss preselection for the European SAMPE students' contest: 4 students present their topic (PhD, MSc/BSc)
15:50	Closing remarks & announcement winner student contest <i>Hans-Jürg Gysin, President Swiss SAMPE Chapter</i>
16:00	Guided Tour of CMASLab (in groups)
17:00	Apéro

To participate to this event, please register until **18 June 2023** on the conference website:

www.ost.ch/ssctc

Registration is free of charge for

- SAMPE Members
- ETHZ/EPFL/EMPA Members
- Participants from Composites United Switzerland its Member Companies and Institutes
- Students (Bachelor, Master and PhD Students from Swiss Universities and Swiss Universities of Applied Sciences)

Non-members should sign up to SAMPE Europe before registering in the conference at www.sampe-europe.org/membership

Further information

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