

## CONFERENCE

# Aerogel Industry-Academia Forum

Processes, products, applications & markets



Empa, Überlandstrasse 129, Dübendorf  
**Tuesday, July 13 until Thursday, July 15, 2021**

Call for Abstracts open

Online registration:  
[www.empa-akademie.ch/aerogel](http://www.empa-akademie.ch/aerogel)

## General Information

**Meeting type** Hybrid event (virtual and in person)

**Costs** Regular participation in-person: CHF 250.–,  
 Dinner / lunch for regular participation in-person: CHF 100.–  
 Student participation in-person (incl. dinner / lunch): CHF 200.–  
 Online participation: regular CHF 80.–, students CHF 50.–

**Registration** [www.empa-akademie.ch/aerogel](http://www.empa-akademie.ch/aerogel)

**Deadline** June 30, 2021

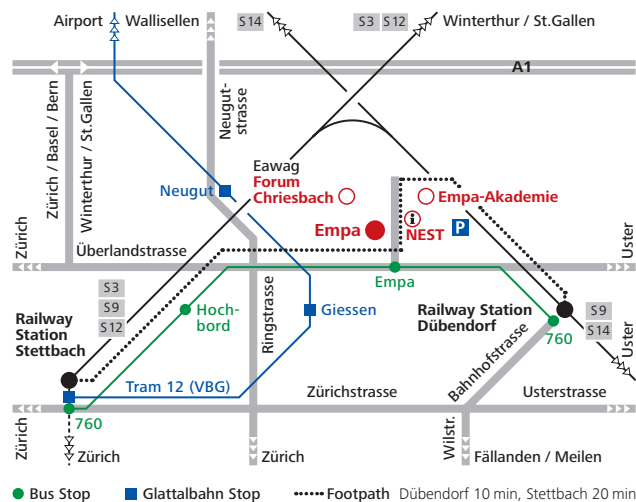
**Call for abstracts** Poster and oral presentations.  
 Template on [www.empa-akademie.ch/aerogel](http://www.empa-akademie.ch/aerogel)  
 Submission to [aerogel@empa.ch](mailto:aerogel@empa.ch)

**Deadline** April 15, 2021

**Contact** E-Mail: [Aerogel@empa.ch](mailto:Aerogel@empa.ch)  
[www.empa.ch](http://www.empa.ch)

**How to get here** Please do use public transport.  
 There is only very limited parking available.

## Directions to Empa



## COST CA18125 – AERoGELS

AERoGELS COST Action explores aerogels for environmental and life sciences applications in a multidisciplinary approach to tackle two of the current main European challenges: circular economy and active ageing. The aim is to advance the state-of-the art on the topic by joining the knowledge and efforts of the experts on cutting-edge aerogel technology, on advanced characterization of materials as well as on biomedical and environmental research. Aerogels are intended to be assessed within the COST Action from a materials performance point of view but also regarding health and environmental implications. AERoGELS disseminates knowledge to society, boosts industry-academia interactions and trains European young researchers on research, innovation and entrepreneurial skills via technical schools, publications and exchanges. Interdisciplinary collaborations are promoted to yield innovative and integrated solutions for environment and for life sciences. The long-term scope is to develop aerogel technology to improve welfare and move towards cleaner and smarter production.  
<https://cost-aerogels.eu>

## Aerogel Architecture Award 2021

We are delighted to invite you to submit your examples of aerogel use in architecture, construction, refurbishment and monument preservation for the "Aerogel Architecture Award 2021". We are searching for the top realized projects of refurbishment from Austria, Germany and Switzerland. The responsible architectural or civil engineering studio can be located anywhere, but projects should be no older than three years. The award celebrates the best projects on energy efficiency, unconventional solutions, high performing buildings solutions with use of superinsulating aerogel materials.  
 Submission deadline: May 31, 2021  
<https://www.empa.ch/web/aaa2021>

## Aerogel Slam

We would be delighted to have a series of aerogel slams to accompany the dinner. The only rules here, a slam should be short (< 10'), not resemble a traditional presentation and have something, however remote, to do with aerogels. Find examples of science slams on the event website.  
 If you have any ideas, please contact us at [aerogel@empa.ch](mailto:aerogel@empa.ch).

## Topic

The aerogel world is undergoing rapid development. On the industry side, new players are entering the market. New aerogel producers, including start-ups but also established materials manufacturers, introduce their products, compete for market share, or aim to develop new applications and markets. In the meantime, traditional manufacturers keep innovating. Silica aerogel remains the most important product, but polymer and biopolymer aerogels are becoming available as well. Other companies focus on developing process technologies or aerogel based products. On the academic side, there has been a veritable explosion of research into understanding traditional aerogel materials and applications, as well as new aerogel materials combinations, precursors and sustainable raw materials, new aerogel synthesis routes and new potential applications.

## Target audience

Representatives from industry (aerogel producers, technology providers, raw material suppliers, formulators, end-users), policy-makers (NGOs, EC-representatives, funding agencies), regulatory entities and academia (aerogel process engineering field, as well as from application-oriented research in the biomedical, toxicological, environmental remediation, catalysis and thermal insulation fields).

## Aims

- To strengthen and extend your network in the area of aerogel-related materials, technologies and markets.
- To introduce your products and services to the aerogel community through talks, posters or booths.
- To learn about the most innovative, current research and developments on aerogels.
- To gather newest information on product standardization, LCA, toxicological evaluation and European research funding programs.
- To meet a pool of newcomer and established specialists in the field as well as potential recruits for your institution or company.

## Preliminary program and Invited speakers: Days 1 and 2

### Tuesday, July 13, 2021

- 13:30 Registration
- 14:00 **Pre-meeting workshop: Aerogels in real life**  
Tours of Empa and NEST  
Demos of aerogel 3D printing  
Demos of real products and applications
- 17:00 **Welcome reception**

### Wednesday, July 14, 2021

- 08:30 Registration
- 09:00 Welcome
- 09:15 **Production and processes**  
Irina Smirnova, TUHH, Germany  
Shanyu Zhao, Empa, Switzerland  
Contributed talks
- 10:40 **Coffee break**
- 11:00 **Product development and integration I/II**  
Pavel Holub and Stephan Möller, Armacell, Germany  
Contributed talks
- 12:00 Lunch
- 13:30 **Poster session**
- 15:00 **Product development and integration II/II**  
Jannis Wernery, Empa, Switzerland  
Contributed talk
- 15:40 **Coffee break**
- 16:00 **Start-ups and emerging industries I/II**  
Francisco Ruiz, KEEY Aerogel, France  
Denery Fenouil, Enersens, France  
Contributed talk
- 17:00 **End of presentations**
- 18:30 **Dinner & Aerogel slam**

## Preliminary program and Invited speakers: Day 3

### Thursday, July 15, 2021

- 08:30 Registration
- 09:00 **Start-ups and emerging industries II/II**  
Masa Yamaji, TIEM Factory, Japan  
Sam Cryer, Thermulon, UK  
Contributed talks
- 10:20 **Coffee Break**
- 10:40 **Applications and markets I/III**  
Carlos A. García-González,  
U. Santiago de Compostela, Spain  
Yunhong Wang, IBIH, China  
Contributed talks
- 12:00 **Lunch**
- 13:30 **Applications and markets II/III**  
Remy Poupot, INSERM, France  
Vanessa Gonçalves, Lecifarma, Portugal  
Contributed talks
- 15:00 **Applications and markets III/III**  
Mike O'Connor, Orlanna, France  
Sebastian von Stauffenberg, AGI, Switzerland
- 16:20 **Closing remarks**
- 17:00 **Aerogel Architecture Award 2021**  
Award ceremony and reception

