

3rd Aerogel Industry-Academia Forum

Processes, products, applications & markets

5th International Conference on Aerogels for Biomedical and Environmental Applications

CONFERENCE
JOINT EVENT

Wednesday until Friday
June 11 – 13, 2025

Venue

Empa, Dübendorf
Überlandstrasse 129
8600 Dübendorf

Call for Abstracts

Submit by May 1, 2025

Register by June 1, 2025

Costs

Regular participation: CHF 570.–

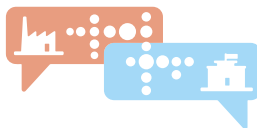
Student participation: CHF 470.–

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<https://aia-forum.empa.ch/>



 **Empa**
Akademie



**AEROGEL
INDUSTRY-
ACADEMIA
FORUM**
June 11-13, 2025 | ON SITE

3rd Aerogel Industry-Academia Forum – Processes, Products, Applications & Markets

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.

5th International Conference on Aerogels for Biomedical and Environmental Applications

Aerogels are advanced, highly porous materials designed to meet the criteria of biomedical or environmental applications. They can be used as drug carriers, bone grafts, or wound dressings in biomedical applications and as insulators, absorbents, sensors, and catalysts in environmental applications.

Objectives

- 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 current research and developments on aerogels.
- To meet a pool of newcomer and established specialists in the field as well as potential recruits for your institution.

Who will be there?

Representatives from the aerogel industry (aerogel producers, technology providers, raw material suppliers, formulators), end-users (industrial and building insulation, car industry, pharmaceutical industry), 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).

Preliminary program

WEDNESDAY, JUNE 11, 2025

- 08:30 Registration
- 09:00 Welcome
- 09:15 Aerogels for Biomedical Applications
- 12:00 Lunch
- 13:30 Poster session
- 14:30 Aerogels for Environmental Applications
- 17:00 Welcome reception
Optional Tours of Empa and NEST

THURSDAY, JUNE 12, 2025

- 08:30 Registration
- 09:00 Production and processes
- 12:00 Lunch
- 13:30 Poster session
- 14:30 Product development and integration
- 16:00 Start-ups and emerging industries
- 18:30 Conference Dinner

FRIDAY, JUNE 13, 2025

- 08:30 Registration
- 09:00 Markets and applications
- 11:00 Round table
- 12:00 Lunch
- 13:30 Aerogels for buildings
- 15:00 Closing remarks

- 15:30 AAA 2025: Aerogel Architecture Award Ceremony
Optional Tours of Empa and NEST



Call for abstracts: Poster and oral presentations

Participants are invited to submit high-quality new company developments or academic research works on several topics of interest, which include, but are not restricted to, the following areas:

- Innovative processing technologies for aerogel-based materials
- Aerogel product developments
- Aerogel application demonstrations
- Aerogel market information
- Emerging aerogel technologies
- Aerogels for biomedical (pharmaceutical, regenerative medicine, cosmetics) and food applications
- Aerogels for environmental (pollutant detection, remediation) applications
- Bio-based aerogels from biorefinery and circular economy approach

- Modeling of aerogels
- Characterization techniques
- Life cycle and health risk assessments of nanostructured materials
- Scale-up and industrial uses of aerogels

For template and submission process visit:

<https://aia-forum.empa.ch/>

Abstract submission deadline: May 1, 2025

Aerogel Architecture Award 2025

We are delighted to invite you to submit your examples of aerogel use in architecture, construction, refurbishment and monument preservation as built solutions or student projects for the next Aerogel Architecture Awards.

Submission process and key dates:

<https://www.empa.ch/web/aaa>

