



# 7<sup>th</sup> International Workshop: Mechanisms and Modelling of Waste/Cement Interactions

Second Announcement

## WORKSHOP

22 – 24 June 2026

### Event location

University of Bern  
Bern, Switzerland

### Workshop information

[www.empa.ch/cement2026](http://www.empa.ch/cement2026)



### Contact

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## Scope and Background

The workshop “Mechanisms and Modelling of Waste/Cement Interactions” focuses on the understanding and modelling of the processes responsible for the stabilization of hazardous and radioactive wastes in cementitious systems, and on the use of mineral wastes as cementitious (raw) materials. Like the very successful earlier meetings in this series of workshops (Meiringen, 2005; Le Croisic, 2008; Ghent, 2013; Murten, 2016; Karlsruhe, 2019; Prague, 2023), the 7<sup>th</sup> workshop on **Mechanisms and Modelling of Waste/Cement Interactions** intends to bring together world-leading and junior scientists from the different branches of the research community.

## Topics

The workshop aims at exchanging state-of-the-art knowledge on mineralogical, chemical and physical processes of waste/cement interactions.

- **Cement Chemistry and Microstructure**  
Modelling, multiscale-approaches, alternative cements
- **Cement/Rock/Soil Interfaces and Transport**  
Cement/host rock interactions, transport processes and modelling
- **Recycling of Mineral Wastes in Cement Production**  
Raw material replacement, supplementary cementitious materials, substitution potential and eco-efficiency
- **Interaction of Cement with Waste Constituents**  
Radwaste, toxic waste, metal binding mechanisms, organic compounds
- **Nanoscale Characterisation and Molecular Dynamics**  
Methods at large scale facilities, advanced methods
- **Deterioration and Leaching**  
Alkali-aggregate reaction, carbonation, sulfate interaction, ageing processes, natural analogues

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### Workshop Organizers

Ellina Bernard, Empa, Switzerland  
Sergey Churakov, PSI, Switzerland  
Charlotte Dewitte, Empa, Switzerland  
Andreas Jenni, University of Bern, Switzerland  
Barbara Lothenbach, Empa, Switzerland  
Urs Mäder, Rock-Water Consulting, Switzerland  
John Provis, PSI, Switzerland  
Mirjam Wolffers, University of Bern, Switzerland

### Administration

For general information please contact:  
[Cement2026@gmail.com](mailto:Cement2026@gmail.com)

For information regarding registration and payments: [petra.rogenmoser@empa.ch](mailto:petra.rogenmoser@empa.ch)

Information on the scientific programme:  
[Cement2026@gmail.com](mailto:Cement2026@gmail.com)

### Workshop location

In the center of Bern, just a few steps from Bern main train station, with a spectacular view of the Alps and the medieval town center (UNESCO Cultural World Heritage Site).

Bern is well connected to the European train system and is easily reached by train from Zurich, Geneva and Basel airports.



### International Steering Committee

Céline Cau Dit Coumes, CEA, France  
Xavier Gaona, KIT, Germany  
Diederick Jacques, SCK-CEN, Belgium  
Andreas Jenni, University of Bern, Switzerland  
David Kosson, Vanderbilt University, USA  
Catherine Landesman, SUBATECH, France  
Barbara Lothenbach, Empa, Switzerland  
John Provis, PSI, Switzerland

### Key Dates

May 2024: 1<sup>st</sup> announcement  
March 2025: 2<sup>nd</sup> announcement  
March 2025 – December 2025: abstract submission  
(e-mail to [Cement2026@gmail.com](mailto:Cement2026@gmail.com))  
**December 22, 2025: Abstract submission DEADLINE**  
December 2025 – May 2026: Registration  
May 22, 2026: Registration DEADLINE  
June 22 – 24, 2026: Workshop in Bern

### Registration

Participants may register until **May 22, 2026**.  
Registration and further information: [www.empa.ch/web/cement2026](http://www.empa.ch/web/cement2026)  
After enrolment, you will receive a confirmation by e-mail.  
Payment can only be made by credit card.  
The number of participants is limited to 110.

### Conference fee

Regular registration: CHF 450.–  
Students: CHF 300.–  
\*Student registration requires a proof of enrolment.  
The fee includes coffee breaks and lunches, and the conference dinner.

### Cancellation policy:

- Cancellation before March 1, 2026 – 90% refund
- Cancellation before May 22, 2026 – 50% refund
- Cancellation after May 22, 2026 – no refund, but registration may be transferred to another participant upon request.

### Abstracts

Authors are invited to submit a one-page abstract for oral and poster presentations by e-mail to [Cement2026@gmail.com](mailto:Cement2026@gmail.com) until December 22<sup>nd</sup>, 2025.

Abstracts will be published in the workshop proceedings. Guidelines for abstracts and papers will be provided on [www.empa.ch/cement2026](http://www.empa.ch/cement2026)

