

1st International Conference on: Mg-based cements

First Announcement

CONFERENCE

February 10–12, 2026

Event location

Centre Loewenberg
Murten, Switzerland

Conference information

www.empa.ch/web/MgO2026



Contact

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Nesquehonite crystals
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Background

To limit global temperature rise to below 2°C, we need to radically and rapidly change the way we build and use materials, since construction is responsible for 20–40% of industrial CO₂ emissions. Magnesium-based cements have the potential to become a major carbon sink in the construction industry.

Topics

The conference aims at exchanging state-of-the-art knowledge on future applications, from binder production to application as concrete workability, reaction kinetics, admixtures, hydrates, strength development, durability and leaching.

Subjects

- Magnesium carbonate cements
- Magnesium silicate cements
- Magnesium oxychloride / oxysulfate cements
- Magnesium phosphate cements
- Carbonation hardening

Key Dates

April 2024: 1st announcement
January 2025: 2nd announcement and abstract submission
September 2025: start of registration
February 10–12, 2026: Conference in Murten

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Conference location and accommodation

<https://company.sbb.ch/en/sbb-as-business-partner/services/centre-loewenberg.html>

Murten is a historic medieval town at the French-German language border in Switzerland, offering historic sites, beautiful views and numerous hiking trails.

Murten is located less than two hours from the international airports in Zurich, Geneva, Basle or Berne and can be easily reached by car or via hourly train connections from all major Swiss cities.

For detailed information including hotel information, detailed conference program, abstract and final paper submission and electronic registration:

www.empa.ch/web/MgO2026

email: MgO2026@empa.ch



Call for papers

Abstracts: Authors are invited to submit a one-page abstract for oral and poster presentations via the conference website or by e-mail to MgO2026@empa.ch until July 1st, 2025.

Abstracts will be published in the workshop proceedings. Guidelines for abstracts and papers will be provided on www.empa.ch/web/MgO2026

Organizers

Frank Winnefeld
Barbara Lothenbach
Ellina Bernard
Raphael Kuhn
Jan Schmitt

International Steering Committee

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Hong Wong, Imperial College London, UK
Biwan Xu, Tongji University, China

Administration

For general information please contact:

MgO2026@empa.ch

For information regarding registration and payments:

petra.rogenmoser@empa.ch

Information on the scientific program:

www.empa.ch/web/MgO2026

Hotel

Overnight accommodation for the participants can be booked at the Centre Loewenberg in Murten.

Venue

The conference will be held at the Centre Loewenberg near Murten. The Centre is nestled in a quiet park and offers also hotel facilities.

