

VENUE

The workshop will be held at the [Centre Loewenberg](#) near Murten. The Centre is nestled in a quiet park and offers also hotel facilities.

WORKSHOP LOCATION AND ACCOMMODATION

www.sbb.ch/en/group/real-estate/properties-for-rent/centrelowenberg.html

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

WEBSITE:

For detailed information on workshop program, abstract and final paper submission and electronic registration:

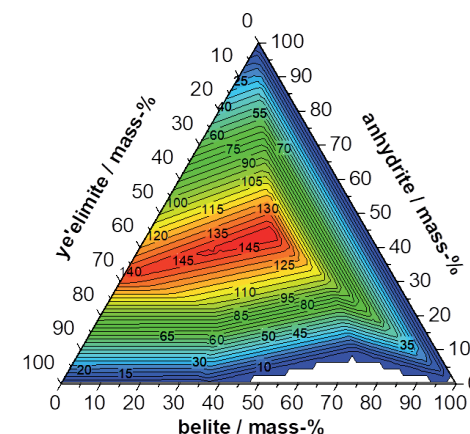
<http://www.empa-akademie.ch/csa2018>



INTERNATIONAL WORKSHOP ON

Calcium sulfoaluminate cements

First announcement



Theoretical amount of g ettringite per 100 g dry solid after complete hydration, calculated by thermodynamic modelling
Source: Winnefeld & Lothenbach, RILEM Techn. Lett. 1 (2016), 10-16.

Murten, Switzerland
June 4 – 6, 2018

Conference information:
www.empa-akademie.ch/csa2018

SCOPE AND BACKGROUND

Calcium sulfoaluminate cements are receiving increasing interest as an environmentally friendly alternative to Portland cement and as they can be used to formulate mortars and concretes with special properties such as fast setting, high early strength or shrinkage-compensation. Thus in the recent years the number of publications in this field increased rapidly, and new products came on the market.

This workshop aims at exchanging state-of-the-art knowledge regarding production, hydration, properties, durability and application of calcium sulfoaluminate cements. Gathering experts from all around the world will stimulate scientific discussions and can promote national and international collaboration.

TOPICS

- **Clinkering**
Raw materials, lab and industrial clinkering, mineralizers, kiln operation
- **Hydration mechanisms**
Kinetics, hydrate assemblages, mineral additions, ternary binders with Portland cements, admixtures, phase stabilities, thermodynamic properties
- **Properties**
Mechanical properties, volume stability (expansion, shrinkage, creep)
- **Durability and sustainability**
Sulfate resistance, chloride ingress, carbonation, rebar corrosion, life cycle analysis
- **Application**
Mortar, concrete, waste encapsulation, standardization

KEY DATES

June 2017	1 st announcement
October 2017	2 nd announcement
January 31, 2018	abstract submission (csa2018@empa.ch)
February 28, 2018	Notification of acceptance
November 15, 2017	Start of registration
February 15, 2018	Early registration
April 30, 2018	Late registration
May 31, 2018	Full paper submission for special issue
June 4-6, 2018	Workshop in Murten

CALL FOR PAPERS

Abstracts: Authors are invited to submit a one-page abstract for oral and poster presentations via the conference website or by Email to csa2018@empa.ch.

Please underline the name of the presenting author and indicate the topic and the preference for presentation (oral or poster) and whether full paper submission for a special issue is intended.

Authors will be notified for acceptance of the reviewed abstracts on February 28, 2018. Abstracts will be published in the workshop proceedings.

Guidelines for abstract and papers will be provided on www.empa-akademie.ch/csa2018

HOTEL

Overnight accommodation for the participants will be arranged at the [Centre Loewenberg](#) in Murten.

WORKSHOP ORGANIZERS

Frank Winnefeld, Empa, Dübendorf, CH
Barbara Lothenbach, Dübendorf, Empa, CH
Antonio Telesca, University of Basilicata, Potenza, ITA
Milena Marroccoli, University of Basilicata, Potenza, ITA

INTERNATIONAL SCIENTIFIC COMMITTEE

Celine Cau dit Coumes, CEA Marcoule, Bagnols-sur-Cèze, FRA
M. Ángeles Gómez de la Torre, University of Malaga, ESP
Ellis Gartner, Imperial College, London, UK
Friedlinde Götz-Neunhoffer, University of Erlangen-Nuremberg, GER
Craig Hargis, University of North Florida, Jacksonville FL, USA
Maria Juenger, University of Texas, Austin TX, USA
Martin Kaasgard, DTI, Kaastrup, DEN
Ana Paula Kirchheim, Universidade Federal do Rio Grande do Sul, Porto Alegre, BRA
Gwenn Le Saout, Ecole des Mines d'Alès, FRA
Barbara Lothenbach, Empa, Dübendorf, CH
Milena Marroccoli, University of Basilicata, Potenza, ITA
Thomas Matschei, University of Applied Sciences Dresden, GER
Martin Palou, Slovak University of Technology in Bratislava, SLK
Alexander Pisch, CNRS, Grenoble, FRA
Herbert Pöllmann, University of Halle-Wittenberg, GER
Caijun Shi, Hunan University, Changsha, CHN
Jørgen Skibsted, University of Aarhus, DEN
Tongbo Sui, Sinoma Research Institute, Beijing, CHN
Antonio Telesca, University of Basilicata, Potenza, ITA
Frank Winnefeld, Empa, Dübendorf, CH

ADMINISTRATION

Barbara Gleich, Empa: barbara.gleich@empa.ch

Scientific Programm csa2018@empa.ch