

Workshop language

For oral and poster presentations the language to be used is English.

Location

The workshop will be held at the ACHAT Plaza Hotel in the city of Karlsruhe, Germany.

(<http://www.achat-hotels.com/de/hotel/karlsruhe-city>).

Karlsruhe is located less than two hours from the international airports of Frankfurt, Baden, Basel, Strasbourg or Stuttgart and can be easily reached by car or via train connections from all major German cities.

Accommodation

The participants are kindly asked to arrange their own accommodation. In the ACHAT Plaza Hotel, an allotment of rooms is arranged (until February 28) for a special offer to workshop participants.

Registration

The registration fee is 350 EUR. Registration includes admission to the workshop, coffee breaks, lunches, poster-buffet dinner, a workshop dinner at the Karlsruhe Palace and a booklet of abstracts.



The workshop on “*Mechanisms and Modelling of Waste / Cement Interactions*” will be held in close connection to the Final Workshop of the EC Horizon 2020 CEBAMA project (March 28th - 29th, 2019, Karlsruhe, Germany). Information on the CEBAMA Final Workshop will be made available at the CEBAMA website: (<http://www.cebama.eu>).

For information on CEBAMA please contact the project coordinator at <marcus.altmaier@kit.edu>



For information or questions regarding the workshop on “*Mechanisms and Modelling of Waste / Cement Interactions*”, please contact:

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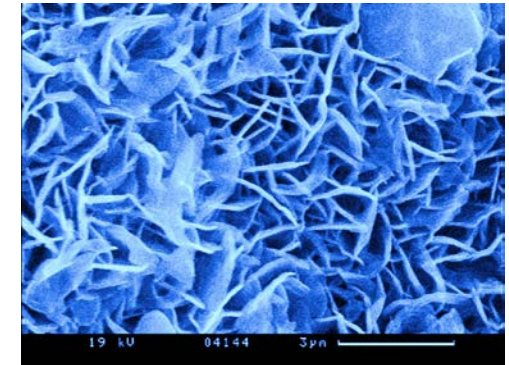
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5th International Workshop on

“Mechanisms and Modelling of Waste / Cement Interactions”

Third Announcement



Karlsruhe, Germany
March, 25th – 27th, 2019



Scope and Background

The workshop “Mechanisms and Modelling of Waste/Cement Interactions” focuses on the chemical understanding and the thermodynamic modelling of the processes responsible for the stabilization of hazardous and radioactive wastes in cementitious systems. Like the very successful earlier meetings in this series of workshops (Meiringen, 2005; Le Croisic, 2008; Ghent 2013; Murten, 2016), the 5th workshop intends to bring together world-leading and junior scientists from the different branches of the research communities.

Although many research activities related to cement chemistry take place in the waste management field, there is an ongoing need for close scientific contact to fundamental research on cement chemistry to assure state-of-the-art research and to continue to promote national and international collaboration.

Topics

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

- **Cement Chemistry & Microstructure**
Modelling, multiscale-approaches, alternative cements
- **Cement/Rock/Soil Interfaces and Transport**
Cement / host rock, transport processes and modelling
- **Interaction of Cement with Waste Constituents**
Radioactive waste, toxic waste, metal binding mechanisms, organic compounds
- **Nanoscale Characterisation & Molecular Dynamics**
Methods at large scale facilities, advanced methods
- **Deterioration and Leaching**
Alkali-aggregate reaction, carbonation, sulfate interaction, ageing process, natural analogues

Key dates

February 15, 2019	deadline for registration
March 25-27, 2019	workshop in Karlsruhe
April 1, 2019	start of full paper submission
July 1, 2019	deadline for submission of full paper for special issue in Appl. Geochem.

A preliminary agenda of the workshop is sent together with a registration form enclosed to this third announcement. Please **submit your registration form** to **<cement2019@ine.kit.edu>**

Deadline for registration will be February 15. A confirmation and a bill for the registration fee will be sent to the participants, consecutively.

Call for papers

Submission of full papers will be appreciated after the workshop until July 1, 2019. Submitted papers will be subjected to a scientific review process and, if accepted, published in a special issue of Applied Geochemistry. The format of manuscripts follows the rules of Applied Geochemistry. Further details regarding the manuscripts will be given by the managing editor of the special issue during the workshop.

Workshop Organisers:

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