

## 6<sup>th</sup> International Workshop on Mechanisms and Modelling of Waste / Cement Interactions

PRAGUE, CZECH REPUBLIC  
NOVEMBER 20<sup>TH</sup> – 22<sup>ND</sup>, 2023



For information or questions regarding the workshop on “Mechanisms and Modelling of Waste / Cement Interactions”, please contact:  
**Petr Večerník (ÚJV Řež)**

## EURAD WP CORI Final Internal Workshop

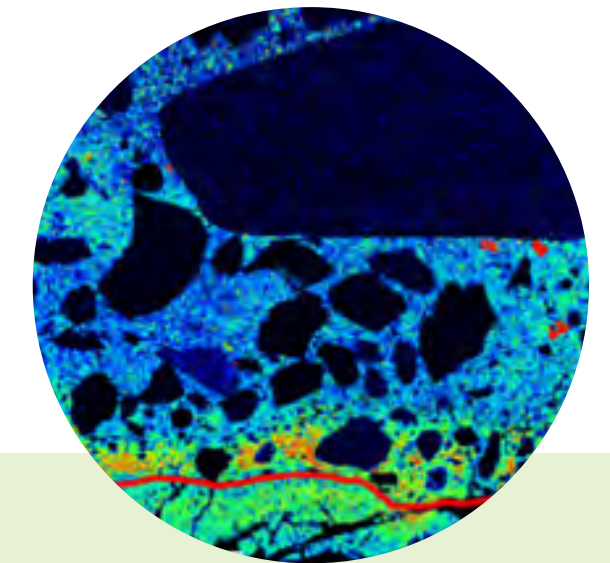
PRAGUE, CZECH REPUBLIC  
NOVEMBER 23<sup>RD</sup>, 2023

Information on the Final Workshop of the WP CORI integrated in EURAD [HERE](#) will be made available at a later time. For information on CORI please contact the project coordinator **Marcus Altmaier (KIT)**

## Excursions optional

NOVEMBER 24<sup>TH</sup>, 2023

**Laboratories: CTU, ÚJV, CVŘ SÚRAO facilities**



## Common information

### Location

The workshop will be held at the [Masaryk Congress Centre](#) in Prague, Czech Republic. The Masaryk Congress Centre is situated in a strategic location in Dejvice, Prague 6, just 20 minutes away from Prague Vaclav Havel international airport, with excellent public-transport access to the city centre, and with good motorway and subway links.

### Accommodation

The participants are kindly asked to arrange their own accommodation. You can use three-star hotel rooms directly at the Masaryk Dormitory, nearby is four-stars Vienna House Diplomat.

### Workshop language – English

### Registration

The registration fee for CORI will be stated later. The registration fee for International Workshop will be stated later. Registration includes admission to the workshop, coffee breaks, lunches, poster-buffet dinner and workshop dinner.

### Key dates

September 2022  
February 2023  
March 31, 2023

May 12, 2023  
May 12, 2023  
October 13, 2023  
November 3, 2023  
November 20-24, 2023  
January 31, 2024

1<sup>st</sup> announcement  
2<sup>nd</sup> announcement  
deadline for abstract submission  
via website  
notification of acceptance of abstracts  
start of registration via website  
deadline for registration  
start of full paper submission  
workshop in Prague  
deadline for full paper submission

6<sup>th</sup> 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

### Call for papers

Abstracts: Authors are invited to submit a one-page abstract for oral and poster presentations via [website](#) until March 31<sup>st</sup>, 2023

Authors will be notified for acceptance of the reviewed abstracts by May 12<sup>th</sup>, 2023.

Submission of full papers will be appreciated before the workshop. Accepted papers will be published in a Special Issue on ScienceDirect. The submission deadline for full papers is in January 2024.

### International Steering Committee

Celine Cau-dit-Caumes CEA, F  
Bernd Grambow Subatech, F  
Diederick Jacques SCK.CEN, B  
David Kosson Vanderbilt University, USA  
Barbara Lothenbach Empa, CH  
Volker Metz KIT, D  
John Provis University of Sheffield, UK  
Erich Wieland Paul Scherrer Institut, CH

### Local Organising Committee

Marcus Altmaier, KIT, D  
Zdena Lahodová, SÚRAO, CZ  
Ján Kozempel, CTU, CZ  
Barbora Drtinová, CTU, CZ  
Radek Vašíček, CTU, CZ  
Petr Večerník, ÚJV Řež, CZ  
Zbyněk Hlaváč, CV Řež, CZ

## Cement workshop

### 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; Karlsruhe, 2019), the