

## Location

The workshop will be held in the Aula of the “Fortbildungszentrum Technik und Umwelt” (FTU), Karlsruhe Institute of Technology, Campus North, approx. 10 km north of Karlsruhe next to Eggenstein-Leopoldshafen.

## Directions:



to Eggenstein-Leopoldshafen

## Organizer

Karlsruhe Institute of Technology (KIT)  
Institute for Nuclear Waste Disposal (INE)  
[www.ine.kit.edu](http://www.ine.kit.edu)  
Germany

## Conference Address / Local contact

For more information or questions, please contact:

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## Second Announcement

On the Occasion of its 40<sup>th</sup> Anniversary, the Institute for Nuclear Waste Disposal (INE) at KIT announces the International Scientific Workshop on

## Processes Influencing Radionuclide Transport and Retention

## Investigations Across Scales

## TransRet2020



Karlsruhe, Germany  
13<sup>th</sup> & 14<sup>th</sup> October 2020



## Background

**TransRet2020** is the seventh meeting in the series of Karlsruhe Geochemical Workshops. The first workshop was held in 1997. Its main topic was “Geochemical modelling - radio toxic and chemo toxic substances in natural aquatic systems”. The second meeting was held in 1999 focusing on “Mineral/water interactions close to equilibrium”. The first TRePro workshop “Modelling of coupled transport reaction processes” was held in 2002, while SoPro 2005 focused on sorption processes on oxide and carbonate minerals. TRePro II (2009) and III (2014) took up the idea of TRePro 2002.

*The planned **TransRet2020** workshop “Processes Influencing Radionuclide Transport and Retention - Investigations Across Scales” will be held in conjunction with the 40<sup>th</sup> Anniversary of the Institute for Nuclear Waste Disposal and will continue the successful series of Karlsruhe Geochemical Workshops.*

## Scope

The intention of **TransRet2020** is to discuss during two days the latest developments concerning processes affecting the long term safety of nuclear waste repositories across the scales, from molecular dimensions to the regional scale, involving both dynamics and equilibrium. The following sessions are planned:

1. Kinetic processes and dynamics
2. Thermodynamics of aqueous speciation, solubility and sorption
3. Micro-scale transport phenomena
4. Large scale transport

## Scientific Program

Each session will be introduced by a keynote lecture followed by oral contributions. A poster session in the evening of the first day will provide room for further discussion in a relaxed atmosphere.

## Scientific Committee

We are glad to have a scientific committee composed of distinguished former colleagues from the Institute for Nuclear Waste Disposal:

- *Dirk Bosbach (FZJ, Jülich)*
- *Melissa A. Denecke (Wien)*
- *Thomas Fanghänel (JRC, Karlsruhe)*
- *Thorsten Schäfer (Uni Jena)*
- *Thorsten Stumpf (HZDR, Dresden)*
- *Clemens Walther (Uni Hannover)*

## Schedule

June, 2020	Registration opens
August 15, 2020	Extended abstract due
August 31, 2020	Authors notified
	Presentation guidelines
September 15, 2020	Distribution of final program
October 1, 2020	Deadline for registration
October 13-14, 2020	Workshop

## Registration, Fees, Transport

A registration fee of **95 €** will be charged, covering coffee breaks, lunch and a light dinner during the Poster session, as well as bus transfers from Karlsruhe down-town to KIT Campus North and back during the two workshop days.

Accommodation should be booked individually. Registration will start via an online-platform in June 2020.

The third announcement (Call for papers) will be circulated once registration starts.

## Proceedings

Following the tradition of the previous Karlsruhe Geochemical Workshops, it is planned to publish extended abstracts in a scientific report, which will be registered in the ISSN library record.

## Lab visit

On the morning after the workshop (15<sup>th</sup> Oct. 2020, ca. 9:00 – 11:00) we offer the possibility to visit laboratories at INE and the INE beamlines at the KARA synchrotron radiation facility.

If you are interested in these visits, please contact the organizers. The visit will then be organized in groups or individually, depending on the number of participants.