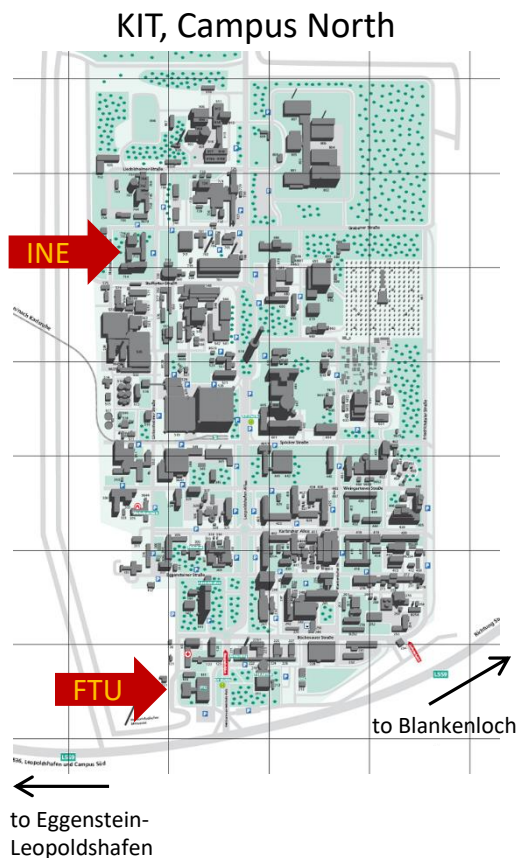


Location

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:



Local contact

For more information or questions, please contact:

Dr. Johannes Lützenkirchen and/or
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On the Occasion of its 40th 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
13th & 14th 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 dealing with “Modelling of coupled transport reaction processes” was held in 2002, while SoPro 2005 (Karlsruhe) focused more on sorption processes on oxide and carbonate minerals. TRePro II (2009) and III (2014) took up the idea of TRePro 2002.

*The **TransRet2020** workshop “Processes Influencing Radionuclide Transport and Retention - Investigations Across Scales” will be held in conjunction with the 40th 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 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 start with a keynote lecture followed by oral contributions. An evening poster session is planned for further discussion in a relaxed atmosphere.

Scientific Committee

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

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

Schedule

| | |
|---------------------|-------------------------------|
| March, 2020 | Registration opens |
| July 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, Accommodation

Registration will be available via an online-platform. A moderate registration fee will be charged.

A contingent of hotel rooms are reserved in the city of Karlsruhe and the villages surrounding KIT, Campus North.

Further information on practical issues will be made available with the call for papers in the Second Workshop Announcement in early 2020.

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.

Organizer

Karlsruhe Institute of Technology (KIT)
Institute for Nuclear Waste Disposal (INE)
www.ine.kit.edu
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Conference Address

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