

**Current position**

Head of Group “Reactive Transport” (acting) at Institute of Energy and Climate Research (IEK-6) Nuclear Waste Management, FZJ (since 2018)

Previous positions (two selected)

Senior scientist at IEK-6, FZJ (2013-2018)

Senior scientist at Brenk Systemplanung GmbH, Aachen (scientific consulting company) (1996-2013)

Scientific degree

Dr. rer. nat. (PhD) in Geochemistry, RWTH Aachen University (1996)

Recent research topics

coupled THMC processes, waste form performance under repository conditions, long-term safety of repository systems

Publications (5 most important)

- P. Trinchero, M. Sidborn, I. Puigdomenech, [...], **D. Bosbach, G. Deissmann**, Transport of oxygen into granitic rocks: role of physical and mineralogical heterogeneity, *J. Contam. Hydrol.* 220, 108 (2019) <https://doi.org/10.1016/j.jconhyd.2018.12.001>
- **S. Lange, P. Kowalski**, M. Pšenička, **M. Klinkenberg**, [...], **G. Deissmann**, Uptake of ^{226}Ra in cementitious systems: A complementary solution chemistry and atomistic simulation study, *Appl. Geochem.* 96, 204 (2018) <https://doi.org/10.1016/j.apgeochem.2018.06.015>
- **S. Neumeier, Y. Arinicheva**, [...], **P.M. Kowalski**, [...], **D. Bosbach, G. Deissmann**, New insights into phosphate based materials for the immobilisation of actinides, *Radiochim. Acta* 105, 961 (2017) <https://doi.org/10.1515/ract-2017-2819>
- P. Trinchero, J. Molinero, **G. Deissmann**, [...], **D. Bosbach**, I. Puigdomenech, Implications of grain-scale mineralogical heterogeneity for radionuclide transport in fractured media, *Transport Porous Med.*, 116, 73 (2017) <https://doi.org/10.1007/s11242-016-0765-0>
- **G. Deissmann, S. Neumeier, F. Brandt, G. Modolo, D. Bosbach**, Evaluation of the long-term behavior of potential plutonium waste forms in a geological repository, *Mater. Res. Soc. Symp. Proc.* 1665, 23 (2014) <https://doi.org/10.1557/opl.2014.624>