

## Subtopic 4.4: GeoEnergy

**Prof. Dr. Thomas Kohl**

ORCID: 0000-0001-6982-6036



### Current positions

Full professor at Institute of Applied Geosciences of the Karlsruhe Institute of Technology (since 2010)

Editor in chief of Journal of Geothermal Energy (since 2013)

### Previous positions (two selected)

Associate Professor at ETH CH (1999-2011)

Founder and CEO of the GEOWATT AG in Zurich (2002 – 2011)

### Scientific degree

Dr. rer. nat. in Geophysics, University of Karlsruhe (1992)

### Recent research topics

Deep geothermal systems (especially induced seismicity, geomechanical fracture behaviour); numerical methods; coupled hydraulic-thermal-mechanical processes in fractured rock; stress field

### Awards, honours, memberships

Scientific Advisory Committee of LabEx, Univ. Strasbourg;

Appointed member of "International Heat Flow Commission" of IASPEI;

Editor speaker of EERA- JPGE SP 6 " Operation of Geothermal Systems";

Henry J. Ramey Award of the Geothermal Resources Council

### Publications/Patents (5 most important)

- C. Meller, E. Schill, J. Bremer, O. Kolditz, A. Bleicher, C. Benighaus, P. Chavot, M. Gross, A. Pellizzone, O. Renn, F. Schilling, T. Kohl, 2018. Acceptability of geothermal installations: A geoethical concept for GeoLaB, *Geothermics*, 73, 133-145. [doi: 10.1016/j.geothermics.2017.07.008](https://doi.org/10.1016/j.geothermics.2017.07.008)
- E. Schill, A. Genter, T. Kohl, N. Cuenot, (2017): Hydraulic performance history at the Soultz EGS reservoirs from stimulation and long-term circulation tests. In: *Geothermics* 70, S. 110–124. [doi: 10.1016/j.geothermics.2017.06.003](https://doi.org/10.1016/j.geothermics.2017.06.003)
- M. Schoenball, L. Dorbath, E. Gaucher, F. Wellmann, T. Kohl, (2014): Change of stress regime during geothermal reservoir stimulation. In: *Geophysical Research Letters* 41 (4), S. 1163–1170. [doi: 10.1002/2013GL058514](https://doi.org/10.1002/2013GL058514)
- S. Held, A. Genter, T. Kohl, T. Kölbl, J. Sausse, M. Schoenball, M. (2014): Economic evaluation of geothermal reservoir performance through modeling the complexity of the operating EGS in Soultz-sous-Forêts. In: *Geothermics* 51, S. 270–280. doi: 10.1016/j.geothermics.2014.01.016
- M. Schoenball, C. Baujard, T. Kohl, L. Dorbath, (2012): The Role of Triggering by Static Stress Transfer During Geothermal Reservoir Stimulation. In: *Journal of Geophysical Research*, 177 (B09307). [doi: 10.1029/2012JB009304](https://doi.org/10.1029/2012JB009304)