

Geothermal research in Rhine Graben French and German Ph.D. student day

Tuesday 19th of March 2013

KIT, South campus
Allgemeines Verfügungsgebäude (AVG), Bldg. 50.41, Ground floor 045/046
Adenauerring 20a
76131 Karlsruhe

http://www.agw.kit.edu/img/Ingenieurgeologie/Campus_Sued.png

Ph.D. students or young employees from the KIT-Applied Geosciences, from the École et Observatoire des Sciences de la Terre of Strasbourg university, and from EIFER will present the status of their work in geothermal applications. This is the opportunity:

- To know what the students/professors on the other side of the border are doing on the topic
- To meet with students/professors involved in this research domain
- To initiate cooperation

Start time	Speaker	Institute	Topic
09:30			Arrival, coffee
10:00	Dr. Thomas Kohl Dr. Jean Schmittbuhl	(KIT-AGW) (EOST)	Welcome
10:15	Carola Meller	(KIT-AGW)	A method to create synthetic clay content logs (SCCL) with neural networks
10:35	Olav Ukelis	(EIFER)	Interaction experiments on Mont Terri Opalinus clay stone samples in the context of the EU-project ULTimateCO2
11:00	Dr. Damien Daval	(EOST)	Experimental evaluation of the evolution of the reactive surface area of silicates throughout hydrothermal alteration
11:20	Fabian Nitschke	(KIT-AGW)	Formation of alternating layered Ba-Sr-sulfate and Pb-sulfide scaling in the geothermal plant of Soultz-sous-Forêts
11:40	Niklas Mundhenk	(KIT-AGW)	Corrosion and scaling in geothermal systems
12:00	Yodha Nusiaputra	(KIT-AGW)	Heat loss modeling of geothermal borehole for use in power-plant optimization
12:20	Dr. Olivier Lengliné	(EOST)	Seismic monitoring of aseismic deformation in EGS reservoir: from observation to modeling
12:40			Lunch break
14:00	Justine Mouchot	(EIFER)	The high pressure and temperature percolation test set-up ICARE
14:20	Karim Marakachi	(EOST)	Hydro-thermal and mechanical modeling of geothermal reservoir
14:40	Jörg Meixner	(KIT-AGW)	Significance of transfer faults in graben systems for the geothermal utilization
15:00	Christine Heimlich	(EOST)	Geodetic monitoring at the Soultz-sous-Forêts and Rittershoffen geothermal sites
15:20			Coffee break
15:40	Xavier Kinnaert	KIT/EOST	4D seismic tomography of shear wave, application to the case of Soultz-sous-Forêts
16:00	Maximilien Lehujeur	(EOST)	Imaging of a deep geothermal reservoir using ambient noise correlation
16:20	David Sahara	(KIT-AGW)	Rule of local stress perturbations associated with active fractures in the borehole breakouts development
16:40 – 17:00	Dr. Thomas Kohl Dr. Jean Schmittbuhl	(KIT-AGW) (EOST)	Wrap-up, Thank you

(last update: 6-Mar-13)