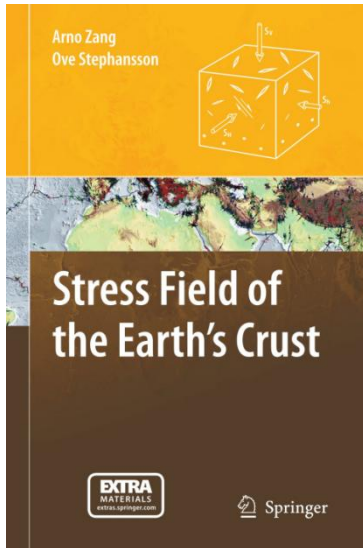


The 2nd <Earth Energy Science> Mini Workshop



Fluid (liquid or gas, or multi-phase) injection in rock formations commonly occurred in deep subsurface activities. Understanding the coupled processes of fluid-rock interactions and effects of geological conditions is very important for high-efficiency energy exploration and safety control. And, estimation of in-situ stresses is of primary importance.

We are honored to have Prof. Dr. Arno Zang from GFZ and distinguished scholars to share their knowledge on the workshop. You are cordially invited to this inspiring event.

<Earth Energy Science> is an international peer-reviewed journal, organized by the SKL-CMD of Chongqing university. We look forward to your contribution in near future.

EES Editorial Office



煤矿灾害动力学与控制全国重点实验室

SKL-CMD State Key Laboratory of Coal Mine Disaster Dynamics and Control

Sep 28 Check in & Dinner (富力假日酒店/Holiday Inn Chongqing University Town)

Sep 29 Seminar/研讨会 08:30 ~ 17:30

	Fatigue, Fracking, and Fault stability
08:30-08:40	Welcome speech
08:40-09:20	Laboratory fatigue and in-situ hydraulic testing for geothermal purpose at Äspö HRL, Sweden (Arno Zang, GFZ Helmholtz Centre for Geosciences)
09:20-09:50	Novel approaches to characterize the 'Stress Field of the Earth's Crust' (Xiaodong Ma, University of Science and Technology of China)
09:50-10:20	A potential ISRM suggested method for in-situ stress measurement at great depth (Chongyuan Zhang, Institute of Geomechanics, CAGS)
10:20-10:40	Break
10:40-11:10	Multi-scale insights into post-injection seismic hazard mitigation in EGS (Yinlin Ji, Nanjing University)
11:10-11:40	Reactivation of natural fractures in Rotondo granite driven by fluid pressure and stress transfer during hydraulic stimulation – A Bedretto Underground Lab case study (Haimeng Shen, GFZ)
11:40-12:10	Pore-scale damage induced by fluid infiltration: Insights from NMR and hydraulic fracturing experiments (Yongfa Zhang, Guizhou University)
	地下能源储备及资源开发的安全与控制
14:00-14:30	黔西复杂构造区海陆交互多薄煤层群煤层气勘查开发关键技术体系研究 (魏元龙/贵州省油气院勘查开发工程研究院, 正高级工程师, 副所长 (主持工作))
14:30-15:00	岩溶洼地抽水蓄能建库地下水气作用机理及工程灾变防控关键技术 陈世万 (贵州大学, 特聘教授, 院党委委员)
15:00-15:30	临滑位移值智能确定方法与滑坡灾害预警模型 汪洪星 (重庆科技大学安全工程学院, 副教授)
15:30-15:50	茶歇
15:50-16:20	长期热力耦合下盐穴储氢热力学响应研究 许明楠 (中国科学院武汉岩土力学研究所, 助理研究员)
16:20-16:50	盐穴二氧化碳大规模储存可行性与全国规模论证 刘伟 (重庆大学, 研究员、博导, Earth Energy Science 编辑部副主任)
16:50-17:20	(All) Free discussion / 自由讨论
17:20-17:30	Close/闭会
18: 30 -	Banquet (Downtown, Changjiahui Shopping Park)

Venue/地点 重庆大学虎溪校区, 综合楼 z123, Huxi Campus of Chongqing Univ.

Host/主办方

State Key Laboratory of Coal Mine Disaster Dynamics and Control (SKL)/重庆大学煤矿灾害动力学与控制全国重点实验室

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Sep29 晚宴/Banquet

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