



CouFrac 2018 POSTER SESSION

Monday, November 12, 2018, 18:00–20:00

BOARD	TITLE / AUTHOR
PP-01	Modeling coupled fluid flow and heat transfer based on joints of deep cores and hydraulic fractures Ying Xin, Zhixue Sun, Li Zhuang, KwangYeom Kim, Sun Yeom, Melvin Diaz
PP-02	Laboratory experiments on permeability evolution of a single fracture during slipping Qiang Zhang, Xiaochun Li
PP-03	Prediction of Injectivity into a Deep Fractured Geothermal Reservoir by Reactive Transport Modeling Fengyu Li, TianfuXu, Shengtao Li, Bo Feng, Xiaofeng Jia, Zhenjiao Jiang
PP-04	Cancelled
PP-05	Numerical investigation of formation response under polymer flooding based on Hydro-Mechanical and Chemical method Yongxiang Zheng, Jianjun Liu, Xiang He
PP-06	Coupled PFC3D/FLAC3D Simulation of Slot-shaped Breakout in High-porosity Sandstone Tuo Wang, Fengshou Zhang, Yanhui Han
PP-07	Cancelled
PP-08	Thermo-poroelastic Analysis of Casing-Cement-Formation System: Role of pore liquid pressure, thermal effect and thermo-osmotic effect Zihua Niu, Rongwei Yang, JiyunShen
PP-09	Study of crack evolution in floor rock mass above high confined water Juntao Chen, Liming Yin, Kai Ma
PP-10	Evaluation of Anisotropy in Deformability Modulus of 2D and 3D Fractured Rock Models Mohsen Dehghanipoodeh, Alireza Baghbanan
PP-11	Three-Dimensional Continuous-Discontinuous Modeling of Fracture Processes in Reinforced Concrete Beams under Static Loading Conditions Hao Xie, Changsheng Jia, Jili Feng
PP-12	Study on Numerical Simulation of Small Spacing Tunnels in Soft Rock Strata Qianjin Zhang, Ke Wu, Shuaishuai Cui, Zheng Zhang, Jiahui Zhao, Yalin Yu
PP-13	Numerical simulation of fracture sequence on multiple hydraulic fracture propagation in tight gas reservoir Heng Zheng, Chunsheng Pu
PP-14	Investigate grout diffusion process in fractured rocks with in-situ stress Lei Sun, Quansheng Liu, Fan Kun, Bai Yin
PP-15	Investigation on the diffusion range of multi-row grouting based on TOUGH2 Quansheng Liu, Xiaoyu Xu
PP-16	Experimental study on freeze-thaw deterioration of saturated fractured rock mass considering the freezing direction Shibing Huang, Ping Li, JiangmeiQiao, Xuhai Tang
PP-17	Modeling induced seismicity with a coupled fluid flow and stochastic-geomechanical model Antonio P. Rinaldi, V. A. Ritz, D. Zbinden, M. Nespoli, S. Wiemer
PP-18	Semi-analytical modeling of Coulomb Stress Changes induced by seasonal variation at the Pertusillo lake, Val D'Agri (Italy) Antonio P. Rinaldi, L. Improta, F. Catalli, L. Urpi
PP-19	Cancelled
PP-20	Simulation of induced seismicity during hydraulic fracturing in laminated reservoir by hydro-mechanical coupled DEM Jian Zhou, Luqing Zhang, Duoxing Yang, Song Wang, Fenxiang Zhang
PP-21	Coupled geomechanical and fluid flow modeling of induced seismicity in Pohang Geothermal Field, South Korea ArshadShehzad Ahmad Shahid, Hyung-Mok Kim, Muhammad KhurramZahoor
PP-22	Cancelled

PP-23	Numerical Analysis of Thermo-Hydro-Mechanical Coupled Behavior in Multi-layer Disposal System Changsoo Lee, Won-Jin Cho, Jaewon Lee, Geon-Young Kim
PP-24	A damage rheological model applied to analysis of mechanical properties of jointed rock masses Wendong Yang, P.G. Ranjith, Chenchen Huang, GuangyuLuo
PP-25	Experimental investigation on stress sensitivity of permeability in a naturally fractured shale Diansen Yang, Wei Wang, Kang Li, Weizhong Chen, Jianping Yang
PP-26	Variation of Pores in Sandstone during Freezing and Thawing by NMR Linlin Wang, Jiuwei Cheng
PP-27	Land subsidence due to operation of ground source heat pump engineering- considering particle deposition effect Xianze Cui, Quansheng Liu, Chengyuan Zhang
PP-28	Long-term monitoring of stress changes in the rock mass by glued probes and the effect of borehole drying Lubomir Stas, KamilSoucek, VendulaZajicova, Josef Malik, Roman Kohut, AlexejKolcun
PP-29	Rock Structure Plane Morphological Description Method and Mechanical Characteristics Based on Digital Borehole Camera Technology Yiteng Wang, Chuanying Wang, Zengqiang Han, Yuqun Huang
PP-30	Investigation on Stress-strain Relation of Mudstone at the Initial Stage of Loading by Laboratory Tests and Numerical Modelling Dejian Li, Hao Qi, Jili Feng
PP-31	Seismicity induced by tunneling activity: hints from numerical modeling Antonio P. Rinaldi, L. Urpi
PP-32	Research on Horizontal Disturbance Characteristics of shield tunnel based on In-Situ Experimental Hua Jiang, Zhengyang Sun, Jinxun Zhang, Yusheng Jiang, XingtongQu
PP-33	In-situ Monitoring of Displacement Distribution Induced by TBM Tunneling Jinguo Cheng, Hua Jiang, Jinxun Zhang, Yusheng Jiang, XingtongQu
PP-34	Wear prediction of TBM disc cutter in deep long inclined shaft Hua Jiang, Jinguo Cheng, Jinxun Zhang, Yusheng Jiang, XingtongQu
PP-35	Identification of Near-infrared Spectroscopic characteristics in Rock with water by Mutual Information Fang Zhang, Pengfei Li, Wenfang Liu, Chen Hu, Chenggong Fu, Zhigang Tao, JiliFeng
PP-36	Crushing mechanical characteristics of deep magnetite ore under high stress Deqing Gan, FengGao, Tushun Song
PP-37	Influences of fracture network geometry and stress condition on incipient karst formation in carbonate rocks Mohammed Aliouache, Xiaoguang Wang, Qinghua Lei, HervéJourde
PP-38	Groundwater flow simulation of influence of high-head dam on underground caverns in fractured rock mass based on the example of Rogun HPP, Republic of Tajikistan I.A. Rastorguev, R.R. Schakirov, A.S. Piotrovskiy
PP-39	Modelling thermal cracking based on the TOUGH-FEMM simulator Xuhai Tang, Siji Tao
PP-40	Cancelled
PP-41	Numerical Analysis of Zipper Fracturing Using a Non-planar 3D Fracture Model Zhen Wang, Lifeng Yang, Xin Wang, Zhe Liu, RuiGao
PP-42	Mechanism of sand production in reservoir well using numerical method Xianshan Liu, Hu Zhou, Zhiyong Kang, Man Li
PP-43	Effect of brine crystallization on mechanical strength and permeability of sandstone: A preliminary study on plugging of Micro-Leakage Interlayer (MLI) in gas storage (Jintan, China) Hongwu Yin, Chunhe Yang, Hongling Ma, Xilin Shi, Nan Zhang, Yue Han, Xinbo Ge, Yuhao Zhang