

# CouFrac 2018 POSTER SESSION

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

BOARD	TITLE / AUTHOR
PP-1	<b>Modeling coupled fluid flow and heat transfer based on joints of deep cores and hydraulic fractures</b> Ying Xin, Zhixue Sun, Li Zhuang, Kwang Yeom Kim, Sun Yeom, Melvin Diaz
PP -2	<b>Laboratory experiments on permeability evolution of a single fracture during slipping</b> Qiang Zhang, Xiaochun Li
PP -3	<b>Prediction of injectivity into a deep fractured geothermal reservoir by reactive transport modeling</b> Fengyu Li, Tianfu Xu, Shengtao Li, Bo Feng, Xiaofeng Jia, Zhenjiao Jiang
PP -4	<b>3D Finite Element Method for non-aqueous phase liquid transport in groundwater and its verification</b> Wei Yu, Hong Li
PP -5	<b>Numerical investigation of formation response under polymer flooding based on hydro-mechanical and chemical method</b> Yongxiang Zheng, Jianjun Liu, Xiang He
PP-6	<b>Coupled PFC3D/FLAC3D simulation of slot-shaped breakout in high-porosity sandstone</b> Tuo Wang, Fengshou Zhang, Yanhui Han
PP -7	<b>Numerical manifold method based on analysis-suitable T-spline for fractured rock masses modeling</b> Dengxue Liu, Youliang Zhang, Xiuli Ding, Shuling Huang
PP -8	<b>Thermo-poroelastic analysis of casing-cement-formation system: role of pore liquid pressure, thermal effect and thermo-osmotic effect</b> Zihua Niu, Rongwei Yang, Jiyun Shen
PP -9	<b>Study of crack evolution in floor rock mass above high confined water</b> Juntao Chen, Liming Yin, Kai Ma
PP -10	<b>Evaluation of anisotropy in deformability modulus of 2D and 3D fractured rock models</b> Mohsen Dehghanipoodeh, Alireza Baghbanan
PP-11	<b>Three-dimensional continuous-discontinuous modeling of fracture processes in reinforced concrete beams under static loading conditions</b> Hao Xie, Changsheng Jia, Jili Feng
PP -12	<b>Study on numerical simulation of small spacing tunnels in soft rock strata</b> Qianqian Zhang, Ke Wu, Shuai Shuai Cui, Yalin Yu, Yajun Wang
PP -13	<b>Numerical simulation of fracture sequence on multiple hydraulic fracture propagation in tight gas reservoir</b> Heng Zheng, Chunsheng Pu
PP -14	<b>Investigate grout diffusion process in fractured rocks with in-situ stress</b> Lei Sun, Quansheng Liu, Fan Kun, Bai Yin
PP -15	<b>Investigation on the diffusion range of multi-row grouting based on TOUGH2</b> Quansheng Liu, Xiaoyu Xu
PP-16	<b>Experimental study on freeze-thaw deterioration of saturated fractured rock mass considering the freezing direction</b> Shibing Huang, Ping Li, Jiangmei Qiao, Xuhai Tang
PP -17	<b>Modeling induced seismicity with a coupled fluid flow and stochastic-geomechanical model</b> Antonio P. Rinaldi, V. A. Ritz, D. Zbinden, M. Nespoli, S. Wiemer
PP -18	<b>Semi-analytical modeling of Coulomb stress changes induced by seasonal variation at the Pertusillo lake, Val D'Agri (Italy)</b> Antonio P. Rinaldi, L. Improta, F. Catalli, L. Urpi
PP -19	<b>Fault reactivation modelling with the FE method-based simulator OpenGeoSys</b> Luca Urpi, Bastian Graupner, Antonio P. Rinaldi
PP -20	<b>Simulation of induced seismicity during hydraulic fracturing in laminated reservoir by hydro-mechanical coupled DEM</b> Jian Zhou, Luqing Zhang, Duoxing Yang, Song Wang, Fenxiang Zhang
PP-21	<b>Coupled geomechanical and fluid flow modeling of induced seismicity in Pohang Geothermal Field, South Korea</b> Arshad Shehzad Ahmad Shahid, Hyung-Mok Kim, Muhammad Khurram Zahoor

PP -22	<b>Centrifuge modelling of caprock failure process using synthetic soil</b> Shenglong Jia, Jun Xiong, Rick Chalaturnyk
PP -23	<b>Numerical analysis of thermo-hydro-mechanical coupled behavior in multi-layer disposal system</b> Changsoo Lee, Won-Jin Cho, Jaewon Lee, Geon-Young Kim
PP -24	<b>A damage rheological model applied to analysis of mechanical properties of jointed rock masses</b> Wendong Yang, P.G. Ranjith, Chenchen Huang, Guangyu Luo
PP -25	<b>Inverse problems for Darcy flow in heterogeneous and fractured porous media</b> Radim Blaheta, Michal Beres, Simona Domesova
PP-26	<b>Variation of pores in sandstone during freezing and thawing by NMR</b> Linlin Wang, Jiuhei Cheng
PP -27	<b>Land subsidence due to operation of ground source heat pump engineering- considering particle deposition effect</b> Xianze Cui, Quansheng Liu, Chengyuan Zhang
PP-28	<b>Long-term monitoring of stress changes in the rock mass by glued probes and the effect of borehole drying</b> Lubomir Stas, Kamil Soucek, Vendula Zajicova, Josef Malik, Roman Kohut, Alexej Kolcun
PP -29	<b>Rock structure plane morphological description method and mechanical characteristics based on digital borehole camera technology</b> Yiteng Wang, Chuanying Wang, Zengqiang Han, Yuqun Huang
PP -30	<b>Investigation on stress-strain relation of mudstone at the initial stage of loading by laboratory tests and numerical modelling</b> Dejian Li, Hao Qi, Jili Feng
PP -31	<b>Seismicity induced by tunneling activity: hints from numerical modeling</b> Antonio P. Rinaldi, L. Urpi
PP -32	<b>In-Situ experimental research on lateral soil disturbance characteristics during the shield construction</b> Hua Jiang, Zhengyang Sun, Jinxun Zhang, Yusheng Jiang, Xingtong Qu
PP -33	<b>In-situ monitoring of displacement distribution induced by TBM tunneling</b> Jinguo Cheng, Hua Jiang, Jinxun Zhang, Yusheng Jiang, Xingtong Qu
PP -34	<b>Wear prediction of TBM disc cutter in deep long inclined shaft</b> Hua Jiang, Jinguo Cheng, Jinxun Zhang, Yusheng Jiang, Xingtong Qu
PP -35	<b>Identification of near-infrared spectroscopic characteristics in rock with water by mutual information</b> Fang Zhang, Pengfei Li, Wenfang Liu, Chen Hu, Chenggong Fu, Zhigang Tao, Jili Feng
PP-36	<b>Crushing mechanical characteristics of deep magnetite ore under high stress</b> Deqing Gan, Feng Gao, Tushun Song
PP -37	<b>Influences of fracture network geometry and stress condition on incipient karst formation in carbonate rocks</b> Mohammed Aliouache, Xiaoguang Wang, Qinghua Lei, Hervé Jourde
PP-38	<b>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</b> I.A. Rastorguev, R.R. Schakirov, A.S. Piotrovskiy
PP -39	<b>Modelling thermal cracking based on the TOUGH-FEMM simulator</b> Xuhai Tang, Siji Tao
PP -40	<b>The influence of flaw infilling materials on the failure process in hard rock</b> Shu-Ting Miao, Peng-Zhi Pan, Zhen-Hua Wu
PP -41	<b>Numerical analysis of zipper fracturing using a non-planar 3D fracture model</b> Zhen Wang, Lifeng Yang, Xin Wang, Zhe Liu, Rui Gao
PP -42	<b>Mechanism of sand production in reservoir well using numerical method</b> Xianshan Liu, Hu Zhou, Zhiyong Kang, Man Li