Fluid Flow in Fractured Porous Media

Guest Editors:

Assoc. Prof. Dr. Richeng Liu  
State Key Laboratory for Geomechanics and Deep Underground Engineering, China University of Mining and Technology, China  
liuricheng@cumt.edu.cn

Prof. Dr. Yujing Jiang  
School of Engineering, Nagasaki University, Japan  
jiang@nagasaki-u.ac.jp

Message from the Guest Editors

The fluid flow in fractured porous media plays a significant role on the characteristic/assessment of deep underground reservoirs, such as CO₂ sequestration, enhanced oil recovery, and geothermal energy development. In recent years, many methods including laboratory experiment, theoretical analysis and numerical simulation have been employed to investigate fluid flow in fractured porous media. However, due to the complex and uncertain geometric properties of rock masses in deep underground, deep studies on the fluid flow in fractured porous media such as permeability prediction and/or nonlinear flow are still needed.

This Special Issue on “Fluid Flow in Fractured Porous Media” aims at presenting recent advances in fluid flow in fractured porous media. We invite you to submit comprehensive review papers and original articles. Topics include, but are not limited to:

- Two-phase flow in rock fractures
- Nonlinear flow regimes in complex fracture
- networks Fractal-based approach to study fluid flow
- Coupled shear-flow processes in fractures
- New numerical simulation methods of water-rock interactions

Deadline for manuscript submissions: 31 December 2018
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