



Geothermal Energy: Utilization and Technology 2018

Guest Editors:

**Prof. Dr. Pathegama Gamage
Ranjith**

Deep Earth Energy Laboratory,
Department of Civil Engineering,
Monash University, Melbourne,
Australia

Prof. Dr. Sheng-Qi Yang

State Key Laboratory for
Geomechanics and Deep
Underground Engineering,
School of Mechanics and Civil
Engineering, China University of
Mining and Technology (CUMT),
XuZhou 221116, China

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Message from the Guest Editors

Dear Colleagues,

Geothermal energy is a very attractive form of renewable energy. In comparison to fossil fuel, it is more environmentally friendly because of less CO₂ emission and less damage to the environment. Geothermal energy has traditionally utilised hot aquifers with significant permeability to allow liberal flow of heated waters. In recent years, attention has turned to exploitation of dry (hot) rocks for geothermal energy by circulation of fluids through a ‘closed’ fracture network produced by hydraulic stimulation of the hot rock. However, commercial exploitation of this renewable resource is currently met with limited success either due to loss circulation of the injected fluid and/or inefficient extraction of heat from the rock mass. This proposal calls for papers in the areas of new sciences developed to enhance the recovery process of heat from deep geothermal reservoirs as well its utilisations.

Prof. Dr. Ranjith Pathegama Gamage
Prof. Dr. Sheng-Qi Yang
Guest Editors





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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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