

Title and name: Prof. Yangsheng Zhao

Current Job: the Cheung Kong Scholar Professor at Taiyuan University of Technology in China, and Director of the In Situ Modified property for Mining resources Key Laboratory of the Ministry of Education, and Past Dean of Mining Engineering School.

His main research activities are (i) THMC coupled behaviour of rock masses and porous rock materials; (ii) unconventional geo-resources and geo-energy, such as Hot Dry Rock geothermal development, rock salt deposit; (iii) rock mechanics and testing at high temperature and high pressure.

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Commitment, Appointments and Scientific Volunteer Jobs

2016 Member of international Society pore media

1990-today, Board Member of international Society for Rock Mechanics

1998-today, Executive Board Member of Chinese Society for Rock Mechanics and Engineering (CSRME), and the President of the Shanxi Province of Society for Rock Mechanics and Engineering

1999-today, Editorial Board Member of the Chinese Journal of Rock Mechanics and Engineering

Most important publications

- [1] Yangsheng Zhao, Zijun Feng Zengchao Feng Dong Yang Weiguo Liang, THM coupled mathematical model of fracture media and numerical simulation of a 3D enhanced geothermal system at 573K and buried depth 6000-7000M, Energy, 82(2015)193-205
- [2] Yangsheng Zhao, Zijun Feng, Baoping Xi, Zhijun Wan, Dong Yang, Weiguo Liang, Deformation and instability failure of borehole at high temperature and high pressure in Hot Dry Rock exploitation, Renewable Energy, 77(5)(2015):159-165
- [3] Yangsheng Zhao, Zhijun Wan, Zijun Feng, Dong Yang, Yuan Zhang, Fang Qu, Triaxial compression system for rock testing under high temperature and high pressure, Int J Rock Mech Min Sci, 52(2012): 132-138
- [4] Y.S. Zhao, Z.M. Jin, J. Sun, Mathematical model for coupled solid deformation and methane flow in coal seam, Appl. Math. Modelling, 18(6)(1994):328-333
- [5] Yangsheng Zhao, Dong Yang, Zhonghua Liu, Zengchao Feng, Weiguo Liang, Problems of Evolving Porous Media and Dissolved Glauberite Microscopic Analysis by Micro-computed Tomography ----Evolving Porous Media(1), Transport in porous media, 107(2)(2015):365-385