Brief CV

Name/中文姓名	Shu Tao/陶树	Gender	Male	
Title (Pro./Dr.)	Pro.	Country	China	
University/Department	China University of Geosciences Beijing/School of Energy Resource			
Research Area	Unconventional oil and gas geology and engineering			

Research interests

1. **Material composition and physical properties of coal reservoirs**, including the effect of coalification jump on reservoir reformation, and dynamically characterizes the three-dimensional spatial evolution trajectory of reservoir physical properties.
2. **In-suit stress and CBM system,** including the distribution of in-suit stress and its effect on reservoir physical property, gas-bearing, reservoir pressure and the division of independent CBM systems
3. **Dynamic variation of coal permeability**, including mathematical model of coal permeability changes during the development process of CBM and its effect on gas productivity.
4. **Reservoir characterization and simulation**, including mathematical model of different reservoirs, reservoir simulations

Major Research Projects

2016.01~2020.12 Research on deep coalbed methane system and its energy dynamic balance mechanism (National Natural Science Foundation of China)

2018.01~2021.12 Evolution trajectory of physical properties for low-rank coal reservoirs and its coalification mechanism (National Natural Science Foundation of China)

2016.01~2018.12 Mechanism of water controlling on adsorption capacity of low rank coal reservoir (National Natural Science Foundation of China)

2016.01~2020.12 Study on the occurrence mechanism and resource recoverability of medium and low rank coalbed methane in the southern margin of Junggar Basin (Key Project of the National Science & Technology)

2016.01~2019.12 Study on detailed description and of alterability of multi-seam coal reservoir (Key Project of the National Science & Technology)

2017.01~2019.12 flow velocity sensitivity mechanism and its effect on dynamic change of coal reservoir permeability (Seeking truth scholar project)