Curriculum Vitae

Personal information:

Mr. Siwei (Eric) Zhao

The University of Tulsa

Tulsa, OK 74105

Cell: (573)-201-0790   Email: siz8298@utulsa.edu

Education:

2017.8-Present   The university of Tulsa

                             M.S in Petroleum Engineering

2014.9-2017.6   Missouri University of Science and Technology

                             Petroleum Engineering

2012.9-2014.6   China University of Petroleum

                             Safety Engineering

2014.9-Present   GPA: **3.82/4.00**

Major Courses:

- Advance Math methods
- Finite Element Analysis & Applications
- Mechanical Earth Modeling
- Reservoir Characterization

- Advance Engineering Programming
- Applied Reservoir Simulation
- Well logging
- Seismic interpretation

Research Experience:

Data Driven Optimal Choke Control Strategy for Unconventional reservoirs   2017.8-Present

Description: Supervised by Dr. Younis Rami. In prograss.

Modeling of Low Salinity Waterflooding   2016.4-2017.4

Description: Supervised by Dr. Wei Mingzhen, a simulation study on LS flooding and LSS flooding using CMG. To investigate multiple mechanisms and effects of low salinity water injection on Enhanced oil recovery.

  – Application on simulation to build model and analyze the effects of different concentration of cation by using CMG (Still working)

  – Discretized formulation of the model based on different special and tempore condition

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Stress analysis and calibration using 3D Finite Element Modeling   **2015.9-2015.12**

Description: Supervised by Dr. Eckert Andreas, establish a 3D finite element model using Hypermesh. Calibrate the 3D model against stress measurement at a certain depth with Hypermesh and Abaqus.

– Apply stress measurement to establish numerical model

– Analyze and calibrate the mesh model and run sanity check to get the Sh at certain depth

Research Interest:

– Reservoir simulation

– CO_2 sequestration modeling

– Chemical flooding of oil recovery

Computer Skills:

C++, Matlab, Abaqus, CMG, Eclipse, Petrel, VBA, CAD, Kingdom Suite+

Internship Experience:

Beijing Global Safety Technology Co. Ltd

Analyst – Tech. Consulting Dep.   Jul - Aug, 2015

– Acquaint modern standardized software development process

– Participated in need analysis and preliminary design of a particular application system

– Learn about CMM Level 3 contractors' processes to implement a contracted software project

Awards and Honor:

2nd Class scholarship of China University of S&T (2013)

International student scholarship (2015)

Leadership:

Chairman of Chess association in China University of Petroleum