

Supervised PhD students

Y. Wang	Flow and reactive transport in geothermal systems	TU Delft	2018-now
X. Lyu	Data-driven physics-based models for foam flow	TU Delft	2017-now
S. de Hoop	Fractures, flow and reactive transport in carbonate reservoirs	TU Delft	2017-now
M. Khait	Operator-based linearization for complex multiphase flow in porous media	TU Delft	2015-now
A. Salehi	Upscaling of compositional flow simulation based on non-equilibrium formulation	Stanford	2013-2017
R. Zaydullin	Compositional space parameterization methods for thermal-compositional simulation	Stanford	2010-2014
A. Iranshahr	Tie-simplex method for thermal-compositional simulation	Stanford	2008-2012
A. Agarwal	Thermal adaptive implicit reservoir simulation	Stanford	2005-2009

Supervised MSc students

M. Menichelli	Coupled fluid-flow and resistivity modelling for geothermal applications	TU Delft	2018-now
J. Yong	Adjoint formulation for Operator-Based Linearization	TU Delft	2017-now
K. Kala	Parametrization in element-balance formulation for reactive-compositional simulation	TU Delft	2017-now
A. Tahir	Modelling of acidization process based on Operator-Based Linearization	TU Delft	2017-now
G. Konidala	Advanced interpolation schemes for Operator-Based Linearization approach	TU Delft	2017-now
Y. Chen	Optimization Strategies of CO2 Injection for Sequestration and EOR	TU Delft	2017-now
M. Sangers	Optimization of in-depth divergence strategies	TU Delft	2017-now
K. Mansour	Advanced nonlinear solvers for Discrete Fracture Model	U. Milano	2017-now
I. Mikati	Multiphase flow in tight formations	TU Delft	2017-2018
A. Sartori	Uncertainty quantification based on hierarchical representation of fractured reservoirs	TU Delft	2016-2018
G. Ihsan	Study on the effect of production dynamic to fault reactivation	TU Delft	2016-2018
T. Awadalla	Modeling of gas flow in tight media	TU Delft	2016-2017
R. Manrique	Modeling of kerogen in-situ upgrading at different scales	TU Delft	2016-2017
S. de Hoop	Uncertainties and numerical errors in forward simulation	TU Delft	2016-2017

R. Trujillo	Simulation and optimization of water-divergence strategies	TU Delft	2016-2017
R. Shaik	Modeling of near-well acidizing	TU Delft	2016-2017
E. Gallyamov	Coupled geomechanics and flow model for fracture propagation	TU Delft	2016-2017
C. Ganapathy	Multiscale reconstruction of compositional transport	TU Delft	2016-2017
S. Shetty	Numerical strategy for uncertainty quantification in low enthalpy geothermal projects	TU Delft	2016-2017
N. Kuiperi	Non-equilibrium upscaling of compositional transport	TU Delft	2015-2018
D. Alshiroofi	A multi-scale approach for numerical modelling of the subsurface CO2 sequestration process	TU Delft	2015-2017
G. van Loenen	Effective modelling of impurities in CO2 sequestration	TU Delft	2015-2017
A. Al-Zayer	Relative Permeability of Near-Miscible Fluids in Compositional Simulators	Stanford	2013-2015
J. Lagasca	Simulation of Large-Scale CO2 Plumes in Deep Saline Aquifer	Stanford	2012-2014
R. Iskhakov	High-Resolution Numerical Simulation of CO2 Sequestration in Saline Aquifers	Stanford	2011-2013
A. Salehi	Upscaling of compositional flow simulation based on non-equilibrium formulation	Stanford	2011-2013
R. Zaydullin	Compositional space parameterization methods for thermal-compositional simulation	Stanford	2008-2010
A. Iranshahr	Tie-simplex method for thermal-compositional simulation	Stanford	2006-2008