

Stanford



Sergey Klevtsov

Ph.D. Student in Energy Resources Engineering

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests include numerical linear algebra, multiscale methods, efficient linear solvers and preconditioners for subsurface flow and mechanics modeling, parallel and high-performance computing (HPC) and architectures.

I'm a contributor to the AD-GPRS and GEOSX projects.

LAB AFFILIATIONS

- Hamdi Tchelepi, SUPRI-B (9/1/2014)

Publications

PUBLICATIONS

- **Multiscale two-stage solver for Biot's poroelasticity equations in subsurface media** *Computational Geosciences*
Castelletto, N., et al
2018: 1-18
- **Block-preconditioned Krylov Methods for Coupled Multiphase Reservoir Flow and Geomechanics** *European Conference on Mathematics of Oil Recovery*
Klevtsov, S., Castelletto, N., White, J. A., Tchelepi, H. A.
2016