

PhD Position in Subsurface Flow and Geomechanics Modeling at the Ohio State University

The Computational Geosciences Group in the School of Earth Sciences at the Ohio State University welcomes PhD applications from enthusiastic students with a strong quantitative and/or computational interest and background.

Research topics involve geomechanics, geochemistry, and multiphase flow in strongly heterogeneous and fractured reservoirs with applications in (conventional and unconventional) oil and gas reservoirs as well as hydrogeology (e.g., CO₂ sequestration and contaminant transport). For a more comprehensive overview of research in the Computational Geosciences Group, see our website: <http://u.osu.edu/moortgat/>

Projects combine code development and high-performance computing with investigations of novel applications. As such, familiarity with (any) programming and (discrete solutions of) differential equations is a highly desirable, as are degrees such as Earth Sciences, Physics, Engineering, and Applied Mathematics.

The School of Earth Sciences provides financial support, healthcare benefits, and tuition for PhD students for the duration of their program.

The Ohio State University in general, and the Computational Geosciences Group in particular, encourages applications from all individuals. Ohio State is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, or protected veteran status.

OSU's campus is a top-20 public university and one of America's largest (~60,000 students). As such, it offers an exceptional range of resources, classes to take (Earth Science graduate students can take any classes offered across campus), and opportunities to interact and collaborate with our ~60 graduate students and ~30 regular faculty.

Interested students should contact Dr. Joachim Moortgat with a statement of interest, a CV, transcripts and GRE scores, if available (moortgat.1@osu.edu ; <http://u.osu.edu/moortgat>). Three letters of recommendation will be required to apply to our graduate program and can be attached if already available.