The research project will focus on pore- and reservoir-scale modeling of interfacial responses and mechanisms pertinent to transport of water/solvent/oil mixtures in porous media.

Qualifications:
- Strong background in chemical/mechanical/petroleum engineering. Preference will be given to candidates with research experience in numerical modeling of transport phenomena and/or molecular simulation.
- Demonstrated scholarly potential with publications in peer-reviewed journals.
- Proficiency in computer programming skills (e.g., C++, Python, Matlab).
- Excellent communication skills.
- Ability to work well in a team setting.

Funding will be provided to the successful candidate. Interested and qualified individuals should email your CV and a cover letter describing your background, motivation, and relevant qualifications/experience to Dr. Juliana Leung.