

Multi-scale Imaging PhD Position Available with Dr. Clint Willson (Louisiana State University, Department of Civil & Environmental Engineering).

I am seeking a PhD student to work on multi-scale imaging (e.g., nano- and micro- X-ray CT, Focused Ion Beam/SEM, Precision Ion Polishing/SEM) of porous media. While preference will be given to applicants interested in tight sand and shale rocks, persons interested in micron- and submicron-level imaging and flow-and-transport modeling will be considered. In addition to working directly with the PI, the student will collaborate closely with faculty, staff and students in Chemical Engineering, Petroleum Engineering and Geology & Geophysics. Currently, our group is working on research problems related to multiphase flow and transport in fractionally wet systems, non-Darcy flow, and nanoparticle transport.

The position is funded for four years at \$25,000 per year, (plus a full tuition waiver) as long as the student makes satisfactory progress in the classroom as well as in research. Note that while enrollment as a PhD student in Civil Engineering is desirable, it is possible for the student to enroll and earn a PhD in one of the related engineering disciplines. If you are interested in this position or would like further information, please contact me at cwillson@lsu.edu or 225-578-8672 (email is preferable). Interested students should provide a short summary of their background and interests, academic credentials and GRE scores.

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