

# Stanford

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## Laura Frouté

Ph.D. Student in Energy Resources Engineering

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Laura is a PhD candidate at Stanford University. Her research focuses on understanding fluid transport in shale by imaging, reconstructing and analyzing the rock fabric at nanometer scales. Her interests range from oil & gas engineering, fluid flow in porous media, to environmental and regulatory issues in the oil & gas industry, CCUS, and energy policy.

### Publications

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#### PUBLICATIONS

- **Transport Simulations on Scanning Transmission Electron Microscope Images of Nanoporous Shale** *ENERGIES*  
Froute, L., Wang, Y., McKinzie, J., Aryana, S. A., Kavscek, A. R.  
2020; 13 (24)
- **Determination of thermophysical properties of cyclopentane hydrate using a stirred calorimetric cell** *JOURNAL OF CHEMICAL THERMODYNAMICS*  
Delroisse, H., Plantier, F., Marlin, L., Dicharry, C., Froute, L., Andre, R., Torre, J.  
2018; 125: 136–41