

Serveh Kamrava

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Four fully funded Ph.D. positions are open in my research group at the Colorado School of Mines.

Responsibilities:

Research for the 4 vacant positions includes one of the following projects:

1. Machine Learning aided prediction of multiphase fluid flow in porous media
2. Design and Statistical Analysis of a Flowline Risk Assessment Model
3. Charge-density-based ML framework for efficient exploration and property predictions in the large phase space of concentrated materials
4. Granular materials (computational CFD-DEM and grain-based experiments)

Qualifications:

We are seeking prospective students who meet the following criteria:

- Hold a B.S. and M.S. degree in either Petroleum, Civil, or Chemical Engineering.
- Have a thorough knowledge and expertise in the Python programming language.
- Demonstrate proficiency in machine learning techniques.
- Knowledge of computational fluid dynamics principles.

If you meet "all" of the above requirements, we encourage you to submit your application, including your CV and a description of your programming experience, directly to Dr. Kamrava (kamrava@mines.edu).

Please specify your research interest (one of the four described positions above) in the title of your email.

More Information:

<https://petroleum.mines.edu/project/kamrava-serveh/>

<https://cee.mines.edu/project/serveh-kamravah/>

<https://www.mines.edu/graduate-admissions/admissions-requirements/>