



FIU

FLORIDA INTERNATIONAL UNIVERSITY
Miami's public research university

The Earth Sciences Department at Florida International University (which holds the Carnegie Foundation's highest rating -- "Doctoral/Research University-Extensive") has positions for graduate students available in the broad areas of **hydrogeology and soil physics**.

Research areas include applications of lattice Boltzmann models to a myriad of problems such as:

- Solute transport (especially linking parameters in advanced FADE and CTRW models to porous medium geometry)
- Ground water and solute transport modeling in karstic and fractured domains
- Multiphase fluid migration in porous media
- Surface water flow and solute transport in the Everglades
- Liquid-vapor interface behavior in porous materials under zero- and micro-gravity conditions for plant growth in space
- Gas phase diffusion in porous media
- Fractals and percolation theory



Other, more traditional proposed research topics can be considered. FIU requires verbal + quantitative GRE > 1000 for MS students and >1120 for Ph.D. TOEFL required (>550 or >230 computerized) for non-native English speakers. Strong quantitative and computer skills required.

Contact Dr. Mike Sukop at sukopm@fiu.edu for further information.

