

Two numerical modeling positions at the NRDP Center at Temple University.

The Center for Natural Resources Development and Protection (NRDP) in the College of Engineering at Temple University has an immediate opening for two positions of modelers in the general area of environmental systems.

The first research position is in the area of hydrogeology and requires conducting numerical simulations of water flow and solute transport in coastal systems. The qualified candidate would have a PhD in Environmental Engineering, Hydrogeology or a related field and be able to conduct numerical simulations using existing programs or programs that they develop. They must have a strong understanding of the fundamental of water flow in porous media, both saturated and unsaturated.

The second research position is in the area of Environmental Fluid Mechanics and requires conducting numerical simulations of mixing of fluids in open water. The qualified candidate would have a PhD in Engineering or a related field focused on mixing of fluids, and be able to conduct numerical simulations using state of the science software. The candidate should have a strong understanding of the fundamental of mixing in turbulent flows.

Candidates for each position need to possess a superior ability in computer modeling and mathematical techniques, and a demonstrated ability in writing articles for publication in top journals. They need to possess the ability for communication with scientists in other environmental fields and to mentor graduate students. The positions are open at all levels (research professor or postdoc) and the corresponding salaries are competitive. The position is offered on the Main Campus of Temple University in Philadelphia, a cosmopolitan city with a rich history and culture. Temple University is an equal opportunity employer.

The NRDP Center staff is conducting research on major projects including the Exxon Valdez oil spill, the Deep Well Horizon (Gulf) spill, and natural gas extraction from Marcellus Shale. More information on the center can be found at www.temple.edu/environment. Interested applicants are urged to submit their application in one pdf file that contains a cover letter, CV, and research statement to nrdpcenter@gmail.com. Inquiries to other points of contact cannot be considered.