

# Catherine A. Peters

Associate Professor of Civil and Environmental Engineering  
Ph.D., Carnegie Mellon University, 1992



## Research Interests

Dr. Peters works in the areas of environmental chemistry and environmental risk assessment. She is particularly interested in reactions kinetics, and her work typically combines laboratory experimentation with mathematical modeling to infer reaction rates for a variety of environmental systems. She and her research group are currently studying the geochemical reactions that are important for storage of CO<sub>2</sub> in deep saline aquifers. She is particularly interested in the kinetics of these reactions and determining which reactions are likely to be important on the time-scales operative for CO<sub>2</sub> storage. She has also addressed research problems involving contamination of water and soils with organic pollutants, particularly non-aqueous phase liquids (NAPLs) containing polycyclic aromatic hydrocarbons. Peters has received funding from the National Science Foundation, U.S. EPA, U.S. Department of Energy, and the U.S. Army. She is a past President of the Association of Environmental Engineering Professors. She is currently the Associate Dean for Academic Affairs in the School of Engineering and Applied Science.

## Areas of Expertise

Environmental and Water Resources Engineering

## Contact Information

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