

Credentials

Professional Geologist
Wisconsin License #356

Certification and Ratings

Certified Professional Geologist
American Institute of Professional Geologists

Education

Doctor of Philosophy in Geology
(Specializing in Geomechanics, Hydrogeology and Engineering Geology)
University of Cincinnati, 1989

Master of Science in Geology
(Specializing in Structural Geology and Tectonics)
University of Cincinnati, 1985

Bachelor of Science in Geology
Bowling Green State University, 1982

Professional Service Positions

Rio Grande Utility Corporation - Member of the Board of Directors
Environmental & Engineering Geoscience - Associate Editor
Landslide Committee, Association of Engineering Geologists
New Mexico State Engineer Mid-Rio Grande Technical Advisory Board
New Mexico Interstate Stream Commission Regional Water Planning Work Group
Geological Society of America - Seminar Convener
Association of Engineering Geologists - Seminar Convener
Western States Seismic Policy council - Delegate

Professional Associations

Geological Society of America, Fellow
American Geophysical Union
American Rock Mechanics Association
Association of Engineering Geologists
Northwest Geological Society

Awards

Certificate of Distinction from the New Mexico State Engineer in recognition of contributions made as a member of the Costilla Dam Independent Review Team, which resulted in the State's recovery of nearly \$5 million in construction cost overruns associated with the reactivation of a dormant landslide.

Outstanding Teaching Assistant, Department of Geology, University of Cincinnati, 1985.

Publications

Publications list available on request

University Courses Taught

Mechanics of Earth Surface processes
Hydrogeology
Brittle Deformation (Earthquake Mechanics)
Mechanics of Geological processes
Numerical methods in Geotechnical Engineering
Geologic Hazards
Site Investigation

Areas of Concentration

Engineering geology
Hydrogeology
Geomechanics
Structural geology
Geologic hazard assessment
Mathematical modeling

Specific Experience & Interest

Earthquake preparedness
Geologic mapping
Slope failure
Groundwater
Soil deformation

Professional Experience

Institute for Products, Engineering & Construction **2000 to Present**

Consulting and forensic engineering services for attorneys and insurance companies. Projects involve the disciplines of Geology and Geotechnology and address seismic issues, analysis of design and failure of soil structures, and effects of moving groundwater on geologic formations.

Consulting Geologist **1999 to Present**

New Mexico Institute of Mining and Technology **1989 to Present**

Serve currently as Faculty Adjunct. Previous posts include Senior Engineering Geologist and Assistant Director of New Mexico Bureau of Mines and Mineral Resources.

Manitou Exploration Company **1985 to 1986**

Petroleum Geologist

University of Cincinnati **1982 to 1988**

Serve as Graduate Teaching and Research Assistant and as Hydrogeologist at the Groundwater Research Center.