

Name	Richard C. Peralta
Academic rank	Professor & Interim Department Head (2002-Present)
Specialization area	Irrigation Engineering: Groundwater modeling, groundwater contaminant remediation
Education	Ph.D. in Agricultural (Water Resources) Engineering, Oklahoma State University, Stillwater, Oklahoma (1979) M.S. in Agricultural & Irrigation Engineering, USU, Logan, Utah (1976) <i>B.S. in Chemistry (minor in biology), University of South Carolina, Columbia (1971)</i>
Languages	English (native language); Spanish (fair); German (some functional ability); French (very slight ability)
Professional membership	Gamma Sigma Delta; Sigma Xi American Society of Agricultural Engineers (ASAE) American Society of Civil Engineers (ASCE) American Water Resources Association (AWRA) Chairman, ASAE Symposium on Non-Point Water Quality Concerns: Legal and Regulatory Aspects (1989) Charter Member, EcoGreen Environmental Awards Selection Board Hazardous Materials Incident Response Operation (HAZWOPER)
Professional registration	Registered Professional Engineer (Utah #333993; Arkansas #6060)
Experience highlights	India: Modified groundwater simulation/optimization model (1991). Egypt: Made recommendations on how to add groundwater for conjunctive water management (1993). Guatemala: Taught groundwater hydrology and hydraulics (1989). Costa Rica: Evaluated project opportunities (1998). Peru, 2 months; 1986 - 1987; Project evaluation to optimize conjunctive water management. Taught application of optimization in groundwater management in Spanish. China: Aided groundwater flow model calibration and preliminary application of simulation/optimization model (1999). Assistant/Associate Professor, Ag. Eng., Univ. of Arkansas (1980-1988). Senegal, 2 weeks; 1981; Conducted site visit and evaluation. Graduate Research Associate, Ag. Engineering, Oklahoma State University (1977 – 1980).
Teaching & research	<i>Teaching:</i> Groundwater hydraulics; groundwater remediation; groundwater modeling & optimization. Short-course instructor in the International Irrigation Center. <i>Research:</i> Groundwater hydraulics; groundwater modeling, optimization, and remediation.
Publications	Refereed publications: 35. Reports & technical papers: 202.
Principal publications of last five years	Peralta, R. C. 2000. Gaining acceptance of optimal design through remediation demonstrations. DOD perspective on optimizing remediation. Invited presentations at 'Modeling and Management of Emerging Environmental Issues Workshop 2000. Hosted by DuPont Corporation at University of Pennsylvania, Malvern, PA, 26 July 2000. Peralta, R. C. 2000. Soil vapor extraction optimization and closure using PneuLog. Invited presentation at Base Conversion Agency Annual Workshop,

May 18,2000, Arlington, VA.

Peralta, R. C. 2000. Air Force Base Conversion Agency: applying optimization to speed and reduce the cost of achieving site closure. Invited presentation at annual USGS/DOD Environmental Conservation Conference, 3 May 2000, San Diego, CA (D)

Hydrogeosystems Group and Systems Simulation/Optimization Laboratory. 2000. REMAXIM users manual. Report SS/OL 00-1. 310 p.

Systems Simulation/Optimization Laboratory. 2001. SOMOS users manual. SS/OL, Dept. of Biological and Irrigation Engineering, Utah State University, Logan, Utah. Appx 200 p.

Peralta, R. C. 2001. Remediation simulation/optimization demonstrations. In Proceedings of MODFLOW 2001, Pub. IGWMC. 7 p.

Peralta, R. C. 2001. Demonstrations in remediation. In Modeling and Management of Emerging Environmental Issues , DuPont Corporation.

Peralta, R. C., Ierardi, M. and J. Santillan. 2001. DoD view of optimization. In Modeling and Management of Emerging Environmental Issues , DuPont Corporation.

Peralta, R. C. 2001. Simulation/optimization applications and software for optimal ground-water and conjunctive water management. In Proceedings of MODFLOW 2001, Pub. IGWMC. 4 p.

Peralta, R. C. 2001. Optimal conjunctive water management in different legal and hydrologic regimes. Proceedings, Fourth Inter-American Diagogue on Water Management.

Awards

Halliburton Education Foundation Outstanding Researcher Award for the Agricultural Engineering Department (1984, 1985 & 1987)

Outstanding Research Award, Biological and Irrigation Engineering, USU (1997)

Outstanding Research Award for the College of Engineering USU (1998)

Who's Who in Computer Graphics Technology (1984)

Outstanding Young Man of America (1981, 1984, 1985 & 1990)

Who's Who in the South and Southwest; American Men and Women of Science (1989)

Who's Who in the West (1993, 1998)

Who's Who among Hispanic Americans (1992)

Two Thousand Notable American Men (2nd ed.) (1994)

Who's Who in America (1995)

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