

CURRICULUM VITAE

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EDUCATION AND EXPERIENCE

EDUCATION

PhD GEORGIA INSTITUTE OF TECHNOLOGY (Atlanta, Georgia). Environmental Engineering, March 1989. Thesis Topic: Fate of Selected Organic Pollutants Codisposed with Municipal Refuse. GPA: 4.0/4.0

MS GEORGIA INSTITUTE OF TECHNOLOGY (Atlanta, Georgia). M.S. in Sanitary Engineering, December 1980. Special Problem Topic: Anaerobic Biological Treatment of Chemical Processing Wastewater Containing Soluble Organic Substrates. GPA: 3.9/4.0

BS FLORIDA TECHNOLOGICAL UNIVERSITY (Orlando, Florida). Engineering, Summa Cum Laude, June 1976. GPA: 4.0/4.0

ROLLINS COLLEGE (Winter Park, Florida). September 1972 through May 1974. Coursework toward B.A. in Mathematics. GPA 4.0/4.0

PROFESSIONAL REGISTRATION

State of Georgia, 1981; Professional Engineer No. 12702
State of Florida, 1992; Professional Engineer No. 45709

UNIVERSITY PROFESSIONAL EXPERIENCE

8/05 to present EXECUTIVE ASSOCIATE DEAN: College of Engineering and Computer Science, University of Central Florida.

- 8/03 to 8/05 INTERIM CHAIR, Civil and Environmental Engineering Department
- 8/96 to 8/03 ASSOCIATE DEAN FOR RESEARCH: College of Engineering and, Computer Science, University of Central Florida. Promotion of research on behalf of the College of Engineering, teaching and research in the solid and hazardous waste areas.
- 8/00 to present PROFESSOR OF ENVIRONMENTAL ENGINEERING: University of Central Florida. Teaching and research in the solid and hazardous waste areas.
- 8/94 to present ASSOCIATE PROFESSOR OF ENVIRONMENTAL ENGINEERING: University of Central Florida. Teaching and research in the solid and hazardous waste areas.
- 8/89 to 8/94 ASSISTANT PROFESSOR OF ENVIRONMENTAL ENGINEERING: University of Central Florida. Teaching and research in the solid and hazardous waste areas.
- 5/86 to 12/89 GRADUATE RESEARCH ASSISTANT: Georgia Institute of Technology. Investigating fate of selected organic pollutants codisposed with municipal refuse.
- 3/87 to 6/87 GRADUATE TEACHING ASSISTANT: Georgia Institute of Technology. Instructor for senior level water and wastewater treatment design course in civil engineering.

OTHER PROFESSIONAL EXPERIENCE

- 9/84 to 5/86 PROCESS ENGINEER: CH2M HILL, Atlanta, Georgia. Responsibilities included wastewater treatment plant evaluation and design.
- 11/79 to 9/84 CHIEF, RESEARCH AND DEVELOPMENT DIVISION: Bureau of Pollution Control, City of Atlanta, Georgia. Supervised six civil engineers. Performed studies of various wastewater treatment processes.
- 5/79 to 11/79 CIVIL ENGINEER: Research and Development Division, Bureau of Pollution Control, City of Atlanta. Performed studies of various wastewater treatment processes.

8/76 to 5/79

CIVIL ENGINEER: Keck and Wood, Inc., Atlanta, Georgia.
Responsibilities included preparation of wastewater treatment plant operations and maintenance manuals and 201 Facilities Plans, and operation of a pilot scale wastewater treatment plant.

EDUCATION PHILOSOPHY AND ACTIVITIES

In general I strive to stimulate and guide students to become useful practicing engineers. To that end, I combine unique classroom, laboratory, and field activities with a strong continuing education effort for myself (which involves technical reading, attending conferences and seminars, and conducting related research) to provide the appropriate educational experience for my students. In addition, I bring the experiences of ten years of private engineering practice into the classroom. Of particular relevance are the following activities:

- ◆ Taught eight undergraduate and graduate courses
- ◆ Developed four new courses at UCF
- ◆ Mentored two minority undergraduate students (1993-1998)
- ◆ Chaired the UCF President's Commission on the Status of Women (1998-2001)
- ◆ Researched and published gender diversity issues in engineering education
- ◆ Active faculty advisor for three student groups
- ◆ Professional registration in Georgia and Florida
- ◆ Certified Specialist by AAEE in solid waste management
- ◆ Member of several national associations and committees with engineering education agendas
- ◆ Coach of award-winning FWEA Design Competition Team (national champions 2003)
- ◆ Author of solid waste management and environmental engineering introductory text
- ◆ ABET Program Evaluator for Environmental Engineering
- ◆ NSF funding for creation of web support for undergraduate course (2000-2002) (<http://msw.cecs.ucf.edu/index.html>)

Student academic advisement is a job I take very seriously. I take time to listen to these students and encourage them to finish their undergraduate programs on time and successfully. I also have advised 42 MS degree students and eleven PhD students in our graduate program. My students have successfully found employment in the environmental engineering field and some are now tenured faculty, managers in consulting fields, and senior governmental officials.

AWARDS AND RECOGNITION OF EXCELLENCE IN TEACHING/EDUCATION

- ◆ University and College of Engineering Faculty Advising Award, 1996
- ◆ Student Engineering Council Outstanding Faculty Award, 1993-1994
- ◆ Teaching Incentive Program Award, 1995
- ◆ College of Engineering Teacher of the Year Award, 1995

- ◆ Nominated by Florida Engineering Society for 1995 AT&T Engineering Education Excellence Award
- ◆ UCF and Environmental Engineering Department Teacher of the Year Award, 1992
- ◆ Honorary Nomination by Students to Tau Beta Pi, 1991

COURSES TAUGHT AT THE UNIVERSITY OF CENTRAL FLORIDA

- ◆ EGN 3704 Engineering and the Environment
- ◆ EES 4202 Chemical Process Control
- ◆ ENV 4341 Solid Waste Management
- ◆ ENV 5335* Hazardous Waste Management
- ◆ ENV 6055* Subsurface Contaminant Transport
- ◆ ENV 4800* Air and Waste Management Design
- ◆ ENV 4300* Solid Waste Design
- ◆ EGN 1006 Introduction to Engineering

*Developed at UCF

GRADUATE STUDENT ADVISEMENT

- ◆ Supervised 13 PhD Dissertations
- ◆ Supervised 46 M.S. Theses

RESEARCH ACTIVITIES SUMMARY

Since joining UCF, my research has focused on two primary areas: solid waste landfilling and groundwater remediation. This research has resulted in over \$5 million in external support of which approximately 70% has been federally funded. The research has funded eleven doctoral students and 42 master students to date, over 100 publications and presentations, four patents, and four textbooks. In addition, I have served as a reviewer for more than 25 journals and organizations.

HONORS AND AWARDS

- ◆ 2006 NASA Invention of the Year and Commercialization of the Year award
- ◆ 2006 Award for Excellence in Technology Transfer presented annually by the Federal Laboratory Consortium for Technology Transfer (FLC).
- ◆ 2005 Distinguished Individual Achievement Award, Solid Waste Association of America, Landfill Management Division
- ◆ 2005 Woman of Distinction Technology Award, Citrus Council Girl Scouts
- ◆ 2004 Florida Engineering Society Outstanding Technical Achievement Award
- ◆ 2002 AAAS Women in International Scientific Cooperation Travel Grant to Moscow, Russia
- ◆ 2002 American Academy of Environmental Engineers Excellence Award for University Research
- ◆ 2002 Research Incentive Award, UCF
- ◆ 2000 NASA Certificate of Recognition for creative development of exceptional scientific and technical contribution
- ◆ 1997 International Solid Waste Association Publication Award (presented in New Zealand)
- ◆ Professional Alumni Achievement Award Winner, UCF College of Engineering, 1992
- ◆ UCF College of Engineering Initiation Departmental Research Award, 1993
- ◆ Sigma Xi, 1989

PUBLICATIONS - REFEREED JOURNALS

1. Berge, N. B, Debra R. Reinhart, John D. Dietz, and Tim Townsend (2007) "The Impact of Temperature and Gas-Phase Oxygen on Kinetics of In-Situ Ammonia Removal in Bioreactor Landfill Leachate," *Water Research* (accepted for Publication).
2. Faour, A., D. R. Reinhart, and H. You, (2007) "First-Order Gas Generation Model Parameters for Wet Landfills," *Waste Management* (Accepted for Publication).
3. Imhoff, P.T. Debra R. Reinhart, Marja Englund, Roger Guérin, Nitin Gawande,

Byunghyun Han, Sreeram Jonnalagadda, Timothy G. Townsend, Ramin Yazdani, "Review Of State Of The Art Methods For Measuring Water In Landfills," (2007) *Waste Management, in press.*

4. Powell, J., Jain, P., Kim, H., Townsend, T., Reinhart, D. (2006) "Changes in landfill gas quality as a result of controlled air injection." *Environmental Science and Technology*, 40: 1029-1034.
5. Lindberg, S.E. G. Southworth, M. Bogle, T. Blasing, H. Zhang, T. Kuiken, J. Price, D. Reinhart, H. Sfeir, J. Owens, and K. Roy (2005). Airborne Missions of Mercury from Municipal Solid Waste- I: New Measurements from Six Operating Landfills in Florida. *JAWMA* 55: 859-869.
6. Southworth, G. S. Lindberg, M. Bogle, H. Zhang, T. Kuiken, J. Price, D. Reinhart, and H. Sfeir (2005) "Airborne Emissions of Mercury from Municipal Solid Waste II: Potential Losses of Airborne Mercury Prior to Landfill," *JAWMA* 55: 870-877.
7. Eun, S., D. R. Reinhart, T. Townsend, C. D. Cooper (2007) "Modeling and Measurement of Hydrogen Emissions at C&D Landfills," *Waste Management*, , 27(2): 220-227.
8. Berge, N.D., Reinhart, D.R., and Townsend, T.G. (2005) "A Review of The Fate of Nitrogen In Bioreactor Landfills," *Critical Reviews In Environmental Science And Technology* 35:365-399.
9. Berge, N.D., Reinhart, D.R., Dietz, J., and Townsend, T.G. (2006) "In-Situ Ammonia Removal from Bioreactor Landfill Leachate," *Waste Management* 26: 334-343.
10. Jain P, J. Powell, T. Townsend, D. Reinhart (2005) "Air Permeability of Waste in a Municipal Solid Waste Landfill," *ASCE JEE* 131(11), 1565-1573.
11. Nitin A. Gawande, D. Reinhart, P. McCreanor, T. Townsend, P. Thomas (2003) "Municipal Solid Waste In Situ Moisture Content Measurement Using An Electrical Resistance Sensor Design and Operation Of Bioreactor Landfills," *Waste Management*, 23(7): 667-674, 2003.
12. D. Reinhart, T. Townsend, and P. McCreanor, "The Status of Bioreactor Landfills" (2002) *Waste Management and Research*, 20: 67-81.
13. S. E. Lindberg, D. Wallschläger, E.M. Prestbo, N.S Bloom, J. Price, And D. Reinhart (2001) "Methylated Mercury Species In Municipal Waste Landfill Gas Sampled In Florida," *Atmospheric Envir.*, 35(8): 4011.

14. C. L. Geiger, D. R. Reinhart, C. A. Clausen, Ruiz, N. E., and J. W. Quinn (2000) "Ultrasound Pretreatment of Elemental Iron: Kinetic Studies of Dehalogenation Reaction Enhancement and Surface Effects," *Water Research*, 36(5): 1342-1350, 2001.
15. Ruiz, N, S. Seal, and D. Reinhart, (2000) "Surface Chemical Reactivity in Selected Iron Samples Used In Remediation Technology," *Journal of Hazardous Materials*, B80: 107-117.
16. P. McCreanor and D. Reinhart (1999) "Hydrodynamic Modeling of Leachate Recirculating Landfill," *Waste Management and Research*, 17: 465-469.
17. D. Reinhart and P. McCreanor (2000) "Medical Waste Management: Where does the Solid Waste Go?" *Laboratory Medicine*, 31(3): 141-145.
18. P. McCreanor and D. R. Reinhart (2000) "Mathematical Modeling of Leachate Recirculating Landfill," *Water Research*, 34(4): 1285-1295.
19. H. Sfeir, D. R. Reinhart, P. McCauley-Bell (1999) "An Evaluation of MSW Composition Study Bias Sources," *Air and Waste Management Association Journal*, 49: 174-185.
20. P. McCauley-Bell, D. R. Reinhart, H. Sfeir, B. O. Ryan (1997) "Municipal Solid Waste Composition Studies," *ASCE Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, 1(4): 158-163.
21. J. W. Quinn, and D. R. Reinhart (1997) "Bioremediation of Diesel Contaminated Soil Using Biopiles," *ASCE Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, 1(1): 18-25.
22. McCreanor, P. T. and D. R. Reinhart (1996) "Hydrodynamic Modeling of Leachate Recirculation," *Water, Science, and Technology*, 34(7-8): 463-470.
23. Reinhart, D.R., (1996) "Full-Scale Experiences with Leachate Recirculating Landfills - Case Studies," *Waste Management and Research*, 14: 347.
24. Reinhart, D.R. and B. A. Al-Yousfi, (1996) "The Impact of Leachate Recirculation of MSW Landfill Leachate and Gas Characteristics," *Waste Management and Research*, 14: 337.
25. Reinhart, D. R. and Scott Trainor (1995) "Windrow Cocomposting of Municipal Biosolids and Yard Waste," *Compost Science*, 3(2): 38.

26. Reinhart, D.R. et al. (1994) "Landfill Leachate Treatment for Biological Nutrient Removal from Wastewater," *Int. J. of Environment and Pollution*, 4(1/2): 97.
27. Reinhart, D.R., et al (1993) "Composting of Yard Waste and Wastewater Treatment Plant Sludge Mixtures," *Compost Science* 1(2)58.
28. Reinhart, D. R. (1993) "A Review of Recent Studies on the Sources of Hazardous Compounds Emitted from Municipal Solid Waste Landfills: A US Experience," *Waste Management and Research*, 11, 257.
29. Reinhart, D. R. et al (1992) "Controlling Factors of Stabilization Rates for Yard Waste Composting in Southeastern United States," *The Journal of Resource Management and Technology*, 20(3) 149.
30. Reinhart, D.R.; Cooper, C.D.; Walker, B.L. (1992) "Flux Chamber Design and Operation for the Measurement of Municipal Solid Waste Landfill Gas Emission Rates," *Air and Waste Management Journal*, 42(8): 1067.
31. Reinhart, D.R. and Pohland, F.G. (1991) "The Fate of Selected Organic Pollutants Codisposed with Municipal Refuse," *WPCF Research Journal*, 63(4): 780.
32. Reinhart, D.R. and Pohland, F.G.,(1991) "The Assimilation of Organic Hazardous Wastes Codisposed with Municipal Refuse," *Journal of Industrial Microbiology*, 8: 193.
33. Reinhart, D.R., et al (1991) "Mathematical Fate Modeling of Hazardous Organic Pollutants During Codisposal with Municipal Refuse," *Hazardous Waste & Hazardous Materials*, 8(1): 85.
34. Richards, J.T. and Reinhart, D.R. (1986) "Evaluation of Plastic Media in Trickling Filters," *Journal Water Pollution Control Federation*, 58(7): 774.
35. Morales, L. and Reinhart, D.R. (1984) "Full-Scale Evaluation of Aerated Grit Chambers," *Journal Water Pollution Control Federation*, 56(4): 337.
36. Troxler, R., Reinhart, D.R., and Hallum, A., (1984) "Metro Atlanta Water Pollution Control -A Decade of Progress," *Journal Water Pollution Control Federation*, 56(4): 337.
37. Reinhart, D.R., (1979) "Nitrification Treatability Study for Carrollton, Georgia," *Journal Water Pollution Control Federation*, 51(5): 1032.

BOOKS

1. Vesilind, W. Worrell, and D. Reinhart, **Solid Waste Engineering**, Brooks/Cole, Pacific Grove, CA, 2002.
2. C. D. Cooper, J. D. Dietz, and D. Reinhart, **Fundamentals of Environmental Engineering**, Waverly Press, New York, NY, 1999.
3. D. R. Reinhart and T. G. Townsend, **Landfill Bioreactor Design and Operation**, CRC Press, New York, NY, 1998.
4. R. Nivargikar and D. R. Reinhart, ed., **Quality Assurance: A National Commitment**, ASCE Press, Washington D.C., 1997.

REPORTS AND PUBLICATIONS

1. Jain, P., T. Townsend, D. Reinhart, N. Berge, N. Gawande, "New River Regional Landfill: A Full-Scale Bioreactor Landfill Demonstration Project," World Waste Management, March-April 2005, pp: 63-70.
2. Augenstein, D, R. Morck, J. Pacey, D. Reinhart, and R. Yazdani, "The Bioreactor Landfill An Innovation In Solid Waste Management," White paper prepared on behalf of the Solid Waste Association of North America, 1999.
3. D. R. Reinhart, "Book Review: Landfill Waste Pollution and Control," Waste Management, 15(8): 673-674, 1995.
4. Reinhart, D.R., Dietz, J.D., Tunnell, L., and Christodoulou, A., "Investigation of Nitrification Inhibition at the Eastern Service Area Wastewater Treatment Facility."
5. "Following the Introduction of Landfill Leachate," final report to the Orange County Public Utilities Division (January 11, 1993).
6. Reinhart, D.R., Fleming, P., Atwood, E., deForest, A.R., "Pilot Yard Waste Compost Demonstration Project, Orange County, Florida," final report to Post, Buckley, Schuh, & Jernigan, Inc. (January 25, 1993).
7. Pohland, F.G., Cross, W.H., Gould, J.P., and Reinhart, D.R., "The Behavior and Assimilation of Organic and Inorganic Priority Pollutants Codisposed with Municipal Refuse," final report to the U.S. EPA, Cooperative Agreement CR-812158 (January 1993).

8. Pohland, F.G., Cross, W.H., Gould, J.P., and Reinhart, D.R., "Attenuation of Priority Pollutants Codisposed with MSW in Simulated Landfills," U.S. EPA 15th Annual RREL Symposium, Cincinnati, OH (April 10-12, 1989).
9. Pohland, F.G., Cross, W.H., Gould, J.P., and Reinhart, D.R., "Assimilative Capacity of Landfills for Solid and Hazardous Wastes," ISWA 5th International Solid Waste Conference, Copenhagen, Denmark (September 11-16, 1988).
10. Reinhart, D.R., "Fate of Selected Organic Pollutants During Landfill Codisposal with Municipal Refuse," Ph.D. Thesis, Georgia Institute of Technology, Atlanta, GA (1989).
11. Reinhart, D.R. and Hadden, R.E., "Pollutant Limitation Development for Atlanta," The Georgia Operator, 20, 1, 14 (1982).
12. Reinhart, D.R., "Anaerobic Biographical Treatment of Chemical Processing Wastewaters Containing Soluble Organic Substrates," M.S. Thesis, Georgia Institute of Technology, Atlanta, GA (1980).

CONFERENCE PAPERS AND PRESENTATIONS

1. Reinhart, D.R., "AAEE Environmental Engineering Body of Knowledge Working Group," NSF Workshop: Frontiers in Environmental Engineering Education, ASU, Phoenix, AZ, June 8-10, 2007.
2. Reinhart, D.R., N. Berge, E. Batarseh, "Sustainable Bioreactor Landfilling," An International Perspective on Environmental and Water Resources, December 18-20, 2006, New Delhi, India.
3. Reinhart, D.R. "Fundamentals of Bioreactor Landfilling" invited speaker to the NCSU Civil, Construction, and Environmental Engineering Department, October 9, 2006
4. Reinhart, D.R. "Bioreactor Landfill Design and Operations Lessons Learned" SWANA E-Session, October 11, 2006
5. Reinhart, D.R. "Bioreactor Landfill Demonstrations" the NY SWANA Conference, Albany, NY November 7, 2006.
6. Reinhart, D.R. "Sustainable Landfilling" at the Green Industry Conference in Bahrain, November 19-22, 2006.
7. Reinhart, D.R., N. Berge, E. Batarseh, "Economic Comparison of Anaerobic and Aerobic Bioreactor Landfills," FL SWANA Summer Conference, Naples, July 23-26, 2006.
8. Participated in the FCSHWM Bioreactor Workshop, May 25-26, 2006.
9. Presented "The Status of Aerobic Landfills in the US," NCSWANA Spring meeting, Asheville, NC, May 16-18, 2006.

10. Presented "Economic Comparison of Anaerobic and Aerobic Bioreactor Landfills," FL SWANA Landfill Symposium, Nashville, TN, June 5-7, 2006.
11. Presented "An update on the Florida bioreactor landfill demonstration projects underway at three landfills in Florida," at the 4th ICLRS, Gallivare, Sweden, June 14-16, 2006
12. Reinhart, D. "Introduction to Bioreactor Landfills," presented at the EREF Workshop, held at Indianapolis, Indiana, on August 2, 2005.
13. Reinhart, D. R., and S. Eun, "Control of Odors from Construction and Demolition Landfills," SWANA LF Symposium, Boulder, Colorado, June 6-9, 2005.
14. Reinhart, D. R., "Design and Operation of Bioreactor Landfills", Landfill Design Course, University of Cantabria, Spain, July 13-14, 2005.
15. Reinhart, D. "Introduction to Bioreactor Landfills," presented at the EREF Workshop, held at Indianapolis, Indiana, on August 2, 2005.
16. Berge, N.D. and Reinhart, D.R. (2005) "Management of Nitrogen at Bioreactor Landfills" presented at the EREF Workshop, held at Indianapolis, Indiana, on August 2, 2005.
17. Gawande, N.G., D.R. Reinhart, and A.L.G. Cortázar, "Landfill MSW Hydraulic Conductivity Estimation Using In Situ Moisture Sensors," presented at the Tenth International Waste Management and Landfill Symposium, Sardinia, Italy, October 3-6, 2005.
18. Berge, N.D. and Reinhart, D.R. (2005) "In-Situ Nitrification of Leachate in Bioreactor Landfills," presented at the Tenth International Waste Management and Landfill Symposium, Sardinia, Italy, October 3-6, 2005.
19. Reinhart, D. R. "Bioreactor Landfills: Issues and Implementation," (invited speaker) Emerging Technologies in Solid Waste Management Conference 2005, Lansing, MI, March 31, 2005.
20. Berge, N.D. and Reinhart, D.R. (2004) "In-Situ Nitrogen Removal in Bioreactor Landfills," presented at the Third Intercontinental Landfill Research Symposium, Sapporo, Japan, November 29 - December 2, 2004.
21. Reinhart, D.R., Luke Daly, Andrea Rios, and Virender Sharma, "Ferrate - the Environmentally Friendly Emerging Treatment Chemical, Florida Remediation Conference, Nov. 10, 2004.
22. Reinhart, D.R. (2004) "Sustainable Landfilling in the US," presented at the Third Intercontinental Landfill Research Symposium, Sapporo, Japan, November 29 - December 2, 2004
23. Reinhart, D. R., "Bioreactor Landfill Fundamentals" to the ASCE West Coast Branch annual meeting, September 21, 2004.
24. Reinhart, D. R. and Ayman Faour, "First-Order Kinetic Gas Generation Model Parameters For Wet Landfills" 9th Annual SWANA Landfill Symposium, Monterrey, CA, June 21-24, 2004.
25. Jain, P.*, Townsend, T., Reinhart, D. (2004). "Air Injection Potential of Vertical Wells in an Aerobic Bioreactor Landfill as Characterized by a Short-term Air Pump Test."

- Proceedings of the nineteenth international conference on solid waste technology and management, Philadelphia, PA pp. 994-1003.
26. Reinhart, D. R. "Florida Bioreactor Demonstration Project," WasteTech Conference, Dallas, TX May 18-20
 27. Reinhart, D. R. "Fundamentals of Bioreactor Landfills," Beijing University for Science and Technology, February 25-27, 2004.
 28. Cochran, K.*, Townsend, T., Reinhart, D., Heck, H. (2003). "Examining C&D debris recycling market capacity in Florida." Presented at the Proceedings of the 14th Annual Waste Reduction, Recycling and Composting and 7th Annual Collection and Transfer Symposium, Solid Waste Association of North America, Orlando, FL, February 24-25, 8 pages.
 29. Reinhart, D. R. "Fundamentals of Bioreactor Landfills," Presented at the Jordanian University of Science and Technology, December 15, 2003.
 30. "Bioreactor Design and Operation," D. Reinhart (Invited Speaker), P. McCreanor, T. Townsend, presented at the 54th Annual Kansas Environmental Conference, Lawrence, Kansas, Feb 5, 2003.
 31. "Bioreactor Landfill, Point/Counterpoint," D. Reinhart (Invited Speaker), US Composting Council Annual Meeting, Las Vegas, NV, January 28-29, 2003.
 32. "Bioreactor Design and Operation," D. Reinhart (Invited Speaker), P. McCreanor, T. Townsend, University of Jyväskylä, Jyväskylä, Finland, March 20, 2003.
 33. "Bioreactor Landfill Challenges, D. Reinhart (Invited Speaker), EPA Bioreactor Seminar, Washington DC, Feb. 27-28, 2003.
 34. Reinhart, D.R. T. Townsend, P. McCreanor, "Instrumentation For In Situ Monitoring Of Municipal Solid Waste Landfill Processes," Presented at the Ninth International Waste Management and Landfill Symposium, Sardinia, Italy, October 2003.
 35. Berge, N and D. R. Reinhart, "In Situ Nitrification in Bioreactor Landfills," Presented at the Ninth International Waste Management and Landfill Symposium, Sardinia, Italy, October 2003.
 36. "Bioreactor Design and Operation," D. Reinhart (Invited Speaker), P. McCreanor, T. Townsend, presented at the 54th Annual Kansas Environmental Conference, Lawrence, Kansas, Feb 5, 2003.
 37. "Bioreactor Landfill, Point/Counterpoint," D. Reinhart (Invited Speaker), US Composting Council Annual Meeting, Las Vegas, NV, January 28-29, 2003.
 38. "Bioreactor Design and Operation," D. Reinhart (Invited Speaker), P. McCreanor, T. Townsend, University of Jyväskylä, Jyväskylä, Finland, March 20, 2003.
 39. "Bioreactor Landfill Challenges," D. Reinhart (Invited Speaker), EPA Bioreactor Seminar, Washington DC, Feb. 27-28, 2003.
 40. "Florida Bioreactor Demonstration Project Update," D. Reinhart, P. McCreanor, T. Townsend," presented at the ICLRS, Asheville, NC October 14-16, 2002.
 41. "Municipal Solid Waste Learning Tool," D. Reinhart and K.Gajewski, presented at the AEEESP Research and Education Conference, University of Toronto, Canada, August 6-8, 2002.

42. "Florida Bioreactor Demonstration Project Update," D. Reinhart, P. McCreanor, T. Townsend, presented at the SWANA Landfill Symposium, Louisville, KY, June 17-18, 2002.
43. "Field Application of Ultrasound to Iron Containing PRBs," Cherie L. Geiger, Christian A. Clausen and Debra R. Reinhart, Jacqueline Quinn, presented at the Battelle Remediation Conference, Monterrey, CA, May 22, 2002.
44. "Reductive Dehalogenation Of DNAPLs Using Emulsified Zero-Valent Iron Cherie L. Geiger," Christian A. Clausen, Debra Reinhart, Kathleen Brooks, Christina Clausen, Christian Huntley and Laura Filipek, Tom Krug, Suzanne O'Hara and David Majors, Jacqueline Quinn, presented at the Battelle Remediation Conference, Monterrey, CA, May 2002.
45. "Florida Bioreactor Demonstration Project - Instrumentation," presented at Waste Tech 2002, Feb 25-27, 2002, Coral Springs, FL.
46. "The In Situ Treatment of DNAPL with Zero-Valent Iron Emulsions," Debra R. Reinhart, Cherie L. Geiger, Christian A. Clausen, Kathy Brooks, Dave Major, Jacqueline Quinn, presented at the 2001 Florida Remediation Conference, Nov. 14-15, 2001, Orlando, FL.
47. "Bioreactor Landfills," Debra R. Reinhart, Univ. South Carolina Environmental Engineering Invited Lecture Series, Columbia, SC, Sept. 28, 2001.
48. "Bioreactor Landfills," Debra R. Reinhart, Invited Speaker, SWANA Applied Research Foundation, Jan. 16-17, 2002, West Palm Beach, FL.
49. "Bioreactor Landfills," Invited Speaker, ASTSWMO, State Solid Waste Managers Conference, July 23-25, 2001, Washington DC.
50. D. Reinhart and Timothy Townsend, "Aerobic vs Anaerobic Bioreactor Landfill Case Study - The New River Regional Landfill," Presented at SWANA's 6th Annual Landfill Symposia, San Diego, CA, June 18-20, 2001.
51. D. Reinhart and Timothy Townsend, "Aerobic vs Anaerobic Bioreactor Landfill Case Study - The New River Regional Landfill," Lulea Landfill Symposium, Dec. 12, 2000.
52. D. Reinhart, "Landfill Bioreactor Research Needs," US EPA Bioreactor Workshop, Washington, DC, Sept. 6-7, 2000.
53. D. Reinhart, The Landfill Bioreactor Landfill: Research and Development Needs, Invited Speaker, Geo2000, Las Vegas, NV, Dec. 14-15, 2000.
54. Christian A. Clausen, Cherie L. Geiger, Debra R. Reinhart, Nancy Ruiz, Kristi Farrell, Patrick Toy, Nancy Lau Chan, Mark Cannata, Stephen, Jacqueline Quinn, "Ultrasonic Regeneration Of Permeable Treatment Walls: Laboratory/Field Studies, Battelle Remediation Conference, Monterrey, CA, May, 2000.
55. D. Reinhart, T. Townsend, J. Bower, "Florida Landfill Bioreactor Demonstration Project," SWANA Landfill Symposium, Austin, TX, June 24, 2000.
56. D. Reinhart, "Status of Landfill Bioreactors," Rutgers University Environmental Engineering Invited Speakers Series, April 14, 2000.
57. D. R. Reinhart, T. Townsend, J. W. Bower, "Florida Bioreactor Landfill Demonstration Project," Waste Tech 2000, Orlando, FL, March 7, 2000.

59. D. Reinhart, M. Chopra, C. Clausen, and J. Quinn, "NASA PRB Installation Using Deep Soil Mixing," RTDF Permeable Reactive Barriers Action Team Meeting, Cocoa Beach, FL, Feb. 16-17, 2000.
60. D. Reinhart, "Solid Waste Research at UCF," Annual FDEP Solid Waste Meeting, Daytona Beach, FL, October 29, 1999.
61. S. Lindberg, D. Reinhart, P. McCreanor, J. Price, "Pathways of Mercury Release in Municipal Solid Waste Disposal: A Preliminary Data Report, proceedings of the Seventh International Waste management and landfill Symposium, Cagliari, Italy, October 4-8, 1999.
62. D. Reinhart, "Emerging Issues for Leachate management," ASCE-CSCE Environmental Engineering Conference, Norfolk, VA., July 25-27, 1999.
63. J. M. Harris, D. Purschwitz, and D. R. Reinhart, "Leachate Management for The New Millenium," Proceedings of the 4th Annual SWANA Landfill Management Symposium, Denver, CO, June 28-30, 1999.
64. D. Reinhart, "Bioreactor Landfill Design and Operating Challenges," Texas Natural Resource Conservation Commission's Environmental Trade Fair (invited speaker), Austin, Texas, May 4, 1999.
65. D. R. Reinhart and T. Townsend, "Optimization of Leachate Introduction in Anaerobic Bioreactor Landfills," Proceedings of the 22nd Annual Landfill Gas Symposium, Orlando, Florida, March 22-25, 1999.
66. D. R. Reinhart, M. B. Chopra, S. Burwinkel, and J. Quinn, "Installation of a Field-Scale Permeable Reactive Wall Using Deep Soil Mixing," 4th Annual Florida Remediation Conference, Orlando, FL, Nov. 10-11, 1998.
67. D. R. Reinhart, J. W. Quinn, C. A. Clausen, M. B. Chopra, C. Geiger, N. Ruiz, S. Burwinkel, "Scale-Up Of Zero-Valent Iron Permeable Treatment Wall Design Parameters," Proceedings of the Water Environment Federation Conference, Orlando, FL, Oct. 5-8, 1998.
68. D. R. Reinhart and P. T. McCreanor, "Hydrodynamic Modeling of Waste of Leachate Recirculating Landfill," Proceedings of Third Swedish Landfill Research Symposia 1998, Lulea, Sweden, October 6-8, 1998.
69. M. B. Chopra, S. Burwinkel, D. R. Reinhart, and J. Quinn, "Installation of a Field-Scale Permeable Reactive Wall Using Deep Soil Mixing," Proceedings of the 4th International Symposium on Environmental Geotechnology and Global Sustainable Development, Boston, MA, August 9-13, 1998.
70. D.R. Reinhart, "Are Florida Landfill Liner Systems Clogging and How Would We Know?" SWANA Florida Sunshine Chapter Summer Seminar, Clearwater, FL, July 15-17, 1998.
71. P. T. McCreanor and D. R. Reinhart, "Simulation of Unsaturated Flow in Leachate Recirculating Landfills," Proceedings of the IAWQ Bienneial Conference, Vancouver, British Columbia, Canada, June, 1998.
72. N. Ruiz, D. Reinhart, C. Clausen, C. Geiger, and J. Quinn, "Enhanced Degradation Of Chlorinated Solvents In Groundwater Using Sonicated Zero-Valent Iron - Batch

- Studies," Proceedings of the First International Conference on Remediation of Chlorinated and Recalcitrant Compound, Monterey California, May 18-21, 1998.
73. D. R. Reinhart and J. Selter, "Industry/Engineering Partnerships with an Emerging Research University," 7th International Conference on Management of Technology, Orlando, Florida, February 16-20, 1998.
 74. D. R. Reinhart, C. Clausen, M. Chopra, C. Geiger, J. W. Quinn, N. Ruiz, and S. Burwinkel, "Application of an Enhanced Zero-Valent Iron Permeable Treatment Wall," Florida Remediation Conference, Orlando, Florida, November 12-13, 1997.
 75. D. R. Reinhart, "Full-Scale Bioreactor Landfill Operation," ISWA '97 World Conference, Wellington, New Zealand, September 29 - October 3, 1997.
 76. P. T. McCreanor and D. R. Reinhart, "Design and Operational Guidance for Landfill Leachate Recirculation Systems," Proceedings of the 2nd Annual SWANA Landfill Symposium, Sacramento, California, August 4-6, 1997.
 77. M. B. Chopra, D. R. Reinhart, R. Touati, J. W. Quinn, "Design of a Zero-Valent Metal Permeable Reactive Wall Using In-situ Mixing," Proceedings of the 1997 ASCE Environmental Engineering Conference, Edmonton, Canada, July 22-26, 1997.
 78. D. R. Reinhart, J. W. Quinn, C.A. Clausen, C. Geiger, N. Ruiz, G. Afiouni, "Enhanced Zero-Valent Permeable Wall Treatment of Contaminated Groundwater," Proceedings of the 1997 International Containment Technology Conference and Exhibition, Feb. 9-12, St. Petersburg, FL.
 79. D. R. Reinhart, C. Clausen, C. Geiger, N. Ruiz, G. Afiouni, "Enhancement of In-Situ Zero-Valent Metal Treatment of Contaminated Groundwater," Proceedings of the ASCE NAPL Assessment and Remediation Conference, Washington, D.C., Nov. 11, 1996.
 80. D. R. Reinhart, P. McCauley Bell, Brigid Ryan, and Hala Sfeir, "An Evaluation of Municipal Solid Waste Composition Studies," Proceedings of the Solid Waste Association of North America, Wastecon 1996, Portland, Oregon, September, 23-26, 1996.
 81. D. R. Reinhart, Philip T. McCreanor, and Quaid Noor, "Hydrodynamics of Leachate in Recirculating Landfill," Proceedings of SWANA's First Annual Landfill Symposium, Wilmington, Delaware, November 4-6, 1996.
 82. Reinhart, D.R. and Caroline Grosh, "Analysis of Florida Landfill Leachate Quality Data," Proceedings of the Annual Research Symposium, Florida Center for Solid and Hazardous Waste Management, Tampa Florida, October 3, 1996.
 83. Reinhart, D.R., "Why Wet Landfills are More Effective," Proceedings of Landfill Closures - Environmental Protection and Land Recovery, ASCE National Convention, San Diego, CA, October 23-24, 1995.
 84. Reinhart, D.R., J. Quinn, P.T. McCreanor, "Hazardous Waste Management in the United States," Pilings Seminar, Cardiff, Wales, August 21, 1995.
 85. Reinhart, D.R. and A. B. Al-Yousfi, "The Impact of Full-Scale Leachate Recirculation on Leachate and Gas Characteristics," Proceedings of ASCE 1995 National Conference on Environmental Engineering, Pittsburgh, Pennsylvania, July 26, 1995.

86. Wahid, P. D.R. Reinhart, and D. Adams, "Gender Diversity Issues in Engineering at the University of Central Florida," American Association of University Women Symposium, June 22-24, 1995.
87. Reinhart, D. R., P. Wahid, and D. Adams, "Gender Diversity Issues at the University of Central Florida," Women in Engineering Programs Advocates Network Annual Conference," Washington, D.C., June 4-6, 1995.
88. Reinhart, D. R., "Waste Composition Study Standardization", 4th Annual RFT Conference, Cape Canaveral, Florida, May 19, 1995.
89. Reinhart, D.R., "Wet v. Dry Landfilling, Does it Really Make a Difference," Options for Texas '95 Municipal Solid Waste Management Conference, Austin, Texas, January 25-27, 1995.
90. Reinhart, D.R., "Landfill Bioreactor Full-Scale Case Studies," 1995 US/Canadian International Solid Waste Federation, Solid Waste Management Conference, Washington, DC, January 19, 1995.
91. Reinhart, D.R., Scott Trainor, "Co-Composting of Biosolids and Yard Waste," 67th Annual Conference & Exposition of the Water Environment Federation, Chicago, IL, October 16-19, 1994.
92. Reinhart, D.R., "Leachate and Gas Quality and Quantity," Landfill Design: Leachate and Gas Management Course, TREEO Center, Orlando, FL, May, 1992, 1993, and 1994.
93. Reinhart, D.R., "Characterization of Municipal Solid Waste," Landfill Design: Planning and Permitting Course, TREEO Center, Orlando, FL, Jan 1992, Feb. 1993, and Feb. 1994.
94. Reinhart, D.R., "Wet v. Dry Landfilling, Is There Really a Difference," Proceedings of WasteTech '94, Charleston, SC, January 13-14, 1994.
95. Reinhart, D.R., "Future Concepts in Landfill Operation: Active Landfill Management-Optimizing Landfill Disposal Operations," Proceedings of the Modern Double Lined Landfill Management Seminar, March 2-4, 1993 and January 4-5, 1994.
96. Reinhart, D.R., Dietz, J.D., Tunnell, L., Christodoulou, A., "Landfill Leachate Treatment at a Biological Nutrient Removal Wastewater Treatment Facility," Proceedings of the 66th Annual Conference & Exposition of the Water Environment Federation, Anaheim, CA, October 3-7, 1993.
97. Reinhart, D.R., and Carson, D. "Full-Scale Application of Landfill Bioreactor Technology," Proceedings of the 31st Annual Solid Waste Exposition of the SWANA, San Jose, CA, August 2-5, 1993.
98. Reinhart, D.R., "Municipal Solid Waste Landfill Bioenhanced Operation," Proceedings of the ASTSWMO 1993 National Solid Waste Forum, Orlando, FL, July 19-21, 1993.
99. Reinhart, D.R. and Carson, D., "Overview of Field-Scale Applications of Leachate Recirculation at Municipal Landfills," SWANA Pennsylvania Keystone Chapter Session, Williamsport, PA, June 3, 1993.

100. Reinhart, D.R., Cooper, C.D. and Seligman, D.R.H, "Landfill Gas Emission Monitoring Using a Modified Flux Chamber Approach," Proceedings of the 1993 Annual Meeting of the Air & Waste Management Association, Denver, CO, June 13-17, 1993.
101. Reinhart, D.R. and Cooper, C.D., "Landfill Gas Emissions," Proceedings of the First Annual Solid Waste Research Symposium Sponsored by the FCSHWM, Orlando, FL, May 25, 1993.
102. Reinhart, D.R., "Full-Scale Demonstration of Leachate Recirculation," International Energy Agency, Landfill Gas Expert Working Group, Invited Speaker, Research Triangle Park, NC, October 27-29, 1992.
103. Reinhart, D.R., et al., "Co-composting of Municipal Wastewater Treatment Plant Sludges with Yard Wastes," Proceedings of the Water Environment Federation, 65th Annual Conference & Exposition, New Orleans, LA, September, 1992.
104. Reinhart, D.R., "Solid Waste Management in the 90s," Society of Women Engineers 1992 National Convention, Orlando, Florida, June 22-28, 1992.
105. Reinhart, D.R., "Leachate Quality," Environmental Resources Conference, Orlando, FL, May 20-21, 199
106. Reinhart, D.R. et al., "Yard Waste Composting Demonstration Program in Central Florida," Proceedings of the 7th International Conference on Solid Waste Management and Secondary Materials, Philadelphia, PA, December 10-13, 1991.
107. Reinhart, D.R., Cooper, C.D., Walker, B.L., "MSW Landfill Gas Emissions Monitoring," Proceedings of SWANA 3rd Annual Southeastern Regional Meeting, Orlando, FL, November 5-7, 1991.
108. Reinhart, D.R. et al., "Municipal Solid Waste Landfill Gas Emissions Monitoring," Proceedings of SWANA 3rd Annual Southeastern Regional Meeting, Orlando, FL, Nov. 5-7, 1991.
109. Reinhart, D.R., et al., "Yard Waste Compost Demonstration Project," Proceedings of SWANA 3rd annual Southeastern Regional Meeting, Orlando, FL, November 5-7, 1991.
110. Reinhart, D.R., "Source of Hazardous Pollutants Emitted from MSW Landfills," WPCF 64th Annual Conference, Toronto, Canada, October 7-10, 1991.
111. Reinhart, D.R., "Landfill Gas Emissions," Florida Air and Waste Management Annual Meeting, Clearwater Beach, FL, September 16-18, 1991.
112. Reinhart, D.R., "The Fate of Organic Hazardous Waste in Municipal Solid Waste Landfills," Florida Air and Waste Management Association Annual Meeting, Daytona Beach, FL, September 23-26, 1990.
113. Reinhart, D.R., ed., Conference Proceedings "Municipal Solid Waste Landfills: Problems and Issues," Orlando, FL, Sponsored by FCSHWM, July 25-26, 1990.
114. Reinhart, D.R., et al., "The Fate of Selected Organic Pollutants Codisposed with Municipal Refuse," Water Pollution Control Federation 62nd Annual Conference, San Francisco, CA, October 16-19, 1989.

CHAPTERS

1. Pohland, F. G., A.B. AL-Yousfi, and D. R. Reinhart, "Anaerobic Digestion of Organic Solid Waste in Bioreactor Landfills," in Biomethanization of the Organic Fraction of Municipal Solid Wastes, Ed by J. Mata-Alvarez, London England: IWA.
2. Berge, N., Batarseh, E., and Reinhart, D., (in press, 2003) "Landfilling: Operation and Monitoring," in Solid Waste Technology And Management, ed. by T. Christensen and M. Barlaz.
3. Reinhart, D.R., et al., "The Sorptive Behavior of Selected Organic Pollutants Codisposed in a Municipal Landfill," ACS Symposium 442 (1989) Emerging Technologies for Hazardous Waste Treatment.
4. Reinhart, D.R. and Richards, J.T., "Process Control," in Anaerobic Sludge Digestion-Manual of Practice No. 16, WPCF Technical Practice Committee (1987).

POSTER PRESENTATIONS

1. McCreanor, P.T. and Reinhart, D.R., "Modeling of Hydrodynamics of MSW Landfill - Field Verification," IAWQ Biennial Meeting, Singapore, June 23-27, 1996.
2. Reinhart, D.R., "Active Municipal Landfills," EPA RREL Conference, Cincinnati, OH (April 13-15, 1993).
3. Reinhart, D.R., "Active Municipal Landfills," Gulf Coast Hazardous Research Center Research Symposium, Cincinnati, OH (April 2-3, 1992).

SHORT COURSES AND WORKSHOPS CONDUCTED

1. Reinhart, D. R., "Design and Operation of Bioreactor Landfills," Landfill Design Course, University of Cantabria, Spain, July 13-14, 2005.
2. Bioreactor Landfill Workshop, FCSHWM, April 18-20, Gainesville, Florida
3. "Design and Operation of Bioreactor Landfills Workshop", University of Wisconsin-Madison, June 4-5, 2002.
4. "Groundwater Modeling" University of Central Florida, August, 1992-1994.

PATENTS

1. Cooper, C. D., Reinhart, D. R., and Seligman, D. R. H., The Flux Tube, Method and Apparatus for Measuring Gas Emission Rate from Soil, US Patent No. 5,355,739.

2. Quinn, J. W., Ruiz, N. E., Reinhart, D. R., Geiger, C. L., Clausen, C. A., Enhancement of Zero-Valent Metal Treatment of Contaminated Groundwater by the Use of Ultrasound, US Patent No. 6,013,232.
3. Quinn, J. W., Reinhart, D. R., Clausen, C. A., Chopra, M. B. Reactive Material Placement for Groundwater Treatment, US Patent No. 6,207,114 B1 (March 27, 2001).
4. Quinn, J. W., Reinhart, D. R., Geiger, C. L., Clausen, C. A., Zero-Valent Metal Emulsion for Reductive Dehalogenation of DNAPLS, Patent No. US 6,664,298 B1 (Dec. 16, 2003).
5. Clausen, C. A., Quinn, J. W., Geiger, C. L., Reinhart, D., Fillipek, L. B., Coon, C., Devor, R. Contaminant Removal from Natural Resources, Patent No. US 7,008,964 B2 (March 7, 2006).

SERVICE

HONORS AND AWARDS

- ◆ 2005 Legends and Legacies Leadership Award at the National Conference on Leadership Diversity
- ◆ 2005 Woman of Distinction Technology Award, Citrus Council Girl Scouts
- ◆ 2004 Distinguished Service Award, Lake Highland Preparatory School
- ◆ 2000 AEESP Distinguished Service Award
- ◆ 1998 Service Award Florida Water Environment Association
- ◆ 1998 Service Award Florida Air and Waste Management Association
- ◆ 2002 ASCE Environmental Engineering Journal Editor's Award
- ◆ 2003 Waste Management Journal Referee Award
- ◆ Distinguished Service Award - Lake Highland Preparatory School

MEMBER

- ◆ Society of Women Engineers, 2004 - present
- ◆ Women's Engineering Programs Advocate Network, 2004 - present
- ◆ American Academy of Environmental Engineers, 1994-present
- ◆ American Society of Civil Engineers, 1993 - present
- ◆ Water Environment Federation, 1978-present
- ◆ Association of Environmental Engineering and Science Professors, 1990-present
- ◆ Solid Waste Association of North America, 1991-present
- ◆ International Solid Waste Association, 1998-present
- ◆ American Society of Engineering Educators, 1997-present
- ◆ National Society of Professional Engineers, 2003 -present

BOARDS AND COMMITTEES

- ◆ Environmental Council Executive Committee, ASCE's Environmental Water Resources Institute, 2006-present
- ◆ Participated in ASCE's Government Relations Program - 2004 and 2006
- ◆ ASCE Environment and Energy Policy Committee, 2003-2006
- ◆ ASCE Report Card for America's Infrastructure committee
- ◆ AAEE Recertification Committee, 2003-present
- ◆ AAEE Executive Committee, 2005 - present
- ◆ ASCE Infrastructure Report Card Progress Report Advisory Council, 2003-present
- ◆ Technical Advisory Board, California Commission of Energy, 2003-2005
- ◆ Technical Advisory Board, EREF Landfill Post-Closure Project, 2002-2005
- ◆ Technical Advisory Board, Buncombe County XL Project, 2002-present
- ◆ ASCE External Affairs Committee, 2000-2005 (Chair, 2001-2005)

- ◆ Board Member, Environmental Research and Education Foundation, 2002-present
- ◆ ASCE Solid Waste Committee, Vice-Chair, 2003-present
- ◆ External Advisory Board, Environmental Systems Commercial Space Technology Center (ES CSTC) 2000-2003
- ◆ Board of Trustees, American Academy of Environmental Engineers, 1992 – 2002, 2003 - present
- ◆ Editorial Board, Waste Management and Research, 1999-2002
- ◆ Editorial Board, Waste Management, 2002-present
- ◆ Editorial Board, Environment and Waste Management, 2006 - present
- ◆ Board of Directors, Association of Environmental Engineering and Science Professors, 1997-2000
- ◆ AAEE Diversity Task Force, 2003-2005
- ◆ ABET Program Evaluator - 2002-present
- ◆ EWRI 2005 Water Congress, Anchorage Alaska, Track Chair
- ◆ IAWQ Landfill Management Specialty Group, 1996 - 2000
- ◆ Editor, IAWQ Landfill Management Specialty Group Newsletter, 1996 - 2000
- ◆ Editorial Board, ASCE HTRW Practice Periodical, 1996 - 1999
- ◆ Board of Directors, Florida Air and Waste Management Association, 1993-1996
- ◆ Secretary/Treasurer, Florida Air and Waste Management Association, 1996-1997
- ◆ ASCE Solid Waste Committee, Chair, 1995-1999
- ◆ ASCE Solid Waste Committee, Vice-Chair, 2003-
- ◆ Associate Director, Florida Center for Solid and Hazardous Waste Management, 1990-1995
- ◆ Member - Florida Department of Environmental Protection, Training Council, 1994 -present
- ◆ Member - Orlando Science Center, Scientific Advisory Committee, 1994-present
- ◆ FWEA Orlando Regional Activities Steering Committee, 1993-present
- ◆ FWR 1993 Conference Local Arrangements Committee
- ◆ Greater Oviedo Community Planning Group, 1992-1993
- ◆ WEF Hazardous Waste Committee, 1992-2000
- ◆ WEF Student Activities Committee, 1992-present
- ◆ AEEP Distinguished Lecture Committee, 1990-present
- ◆ Member, Advisory Committee for Florida Landfill Design Series, 1991-1996
- ◆ WPCF Program Committee, 1985-1990
- ◆ WPCF Technical Practice Committee, 1982-1985
- ◆ WPCF Industrial Waste Committee, 1985-1989

SERVICE ACTIVITIES

- ◆ Participated in Orlando Science Center's Exploring Careers for Women in Science and Engineering, 2003 - 2005
- ◆ NSF Panel Reviewer, IGERT Program January 27-28, 2005

- ◆ Florida Science Fair Judge, April 2005
- ◆ ABET Program Evaluator - 2002-present
- ◆ NSF Panel Reviewer, CCLI Program, July 18-19, 2002
- ◆ EWRI 2005 Water Congress, Anchorage Alaska, Track Chair
- ◆ Judge, 39th National Junior Science and Humanities Symposium, April 2001
- ◆ Judge, Nelson Ying Science Fair, March 2000, April 2003, April 2004, April 2005
- ◆ EPA Peer Review Panel, Life Cycle Analysis, November 8-10, 1999
- ◆ Conference Chair, Bioreactor Landfill Design and Operation, March 23- 24, 1995, Wilmington, DE.
- ◆ Session Chair, Water Environment Federation Specialty Conference, "Innovative Solutions for Contaminated Site Management, March 6-9, 1994, Miami, FL.
- ◆ Student Chapter Advisor, Water Environment Association and Air and Waste Management Association, 1993-present.
- ◆ Student Chapter Advisor, Florida Engineering Society, 1989-1994
- ◆ Student Chapter Advisor, AWMA and WEA, 1993-present
- ◆ NSF Panel for Selection of Faculty Awards for Women, 1991
- ◆ Conference Co-ordination Committee for Expanding Your Horizons (Conference for 8th-11th grade girls), 1991-2003
- ◆ Conference Coordinator for Municipal Solid Waste Landfills: Problems and Issues, Orlando, FL, July 25-26, 1990
- ◆ Oviedo High School, Awards Ceremony, Society of Women Engineers Presentation, June, 1993
- ◆ MS, PhD WEF paper competition judge, 1992-present
- ◆ Presentation - Trinity Preparatory School, March, 1993
- ◆ Science Fair Judge (local and state), 1991-1992
- ◆ Brevard County Engineering Career Fair, October 1992
- ◆ Panel Discussion, SECME Career Guidance Open House, June, 1992
- ◆ Presentation, Women and Girls in the Technological Future Workshop, 6/92
- ◆ Presentation, Expanding Your Horizons Annual Conference, 1990-1995
- ◆ Presentation, Oviedo High School, Engineering, March 1990
- ◆ Presentation, Hebrew Day School, Recycling Solid Waste, February 1990
- ◆ Presentation, Stenstrom Elem. School Recycling Solid Waste, February 1990

Reviewer

- ◆ *Sustainability: Science, Practice, & Policy*
- ◆ *Chemosphere*
- ◆ *ASCE Journal of Environmental Engineering*
- ◆ 10th International Waste Management and Landfill Symposium, Sardinia, Italy
- ◆ SWANA Landfill Symposia and WasteCon
- ◆ Intercontinental Landfill Research Symposia

- ◆ *Waste Management*
- ◆ *Waste Management Research*
- ◆ *Biotechnology and Bioengineering Journal*
- ◆ *Journal of Hazardous Substances*
- ◆ *ASCE Journal of Geotechnology and Geoenvironment*
- ◆ *Geotechnology Testing Journal*
- ◆ *Journal of Environmental Management*
- ◆ *Journal of Applied and Environmental Microbiology*
- ◆ *ASM Journal*
- ◆ *JZUS (China)*
- ◆ *Environmental Science and Technology*
- ◆ U.S. Environmental Protection Agency
- ◆ U.S. Department of Energy
- ◆ *International Journal of Environment and Pollution*
- ◆ NSF Panel Reviewer, IGERT Program January 27-28, 2005
- ◆ NSF Panel Reviewer, CCLI Program, July 18-19, 2002
- ◆ Hinkley Center for Solid and Hazardous Waste Management

University Related Activities

- ◆ University Committees
 - ◆ Liberal Studies Program Review Committee
 - ◆ Guest lecture in Environmental Studies Survey Course
 - ◆ Institutional Review Board – 2000-2006
 - ◆ Research Week Committee, 2006
 - ◆ International Services Center Task Force, 2004-2006
 - ◆ Women’s Studies Director search committee, 2000-2001
 - ◆ Art-In-State Committee, 2000-2002
 - ◆ Research Strategic Planning Focus Group, 2000-2002
 - ◆ Interdisciplinary Council, 2000-2001
 - ◆ OSR Technology Transfer Director Search Committee, Chair, 2000
 - ◆ Chair, Commission on Status of Women, 1998-2001
 - ◆ CFBTDC Incubator Selection Board, 2000 – 2003
 - ◆ Women’s Studies Community Advisory Board, 1999-2003
 - ◆ Students and Technology Achieve Rewards Advisory Board (Chair), 1999-2001
 - ◆ Advisory Board Faculty Center for Teaching and Learning, 1998-2000
 - ◆ Advisory Board Continuing Education Division, 1997-2000
 - ◆ International Affairs Committee, 1996-present
 - ◆ Search Committee, Associate Director, Continuing Education, 1999-2000
 - ◆ Search Committee, STAC Director
 - ◆ Internet Science and Technology Fair Advisory Board, 1999-present
 - ◆ Search Committee, Assistant Vice President, Continuing Education, 1996

- ◆ University Master Planning Committee, 1991-1996
- ◆ University Strategic Planning Task Force, 1995-1996
- ◆ College Committees
 - ◆ ECE Chair Search Committee (Chair), 2004
 - ◆ Human Resources Search Committee, 2005
 - ◆ CECS Administrative Coordinator Search Committee (Chair), 2004
 - ◆ CECS Development Officer Search Committee, 2001
 - ◆ MMAE Chair Search Committee, Chair, 2002
 - ◆ IEMS Chair Search Committee, Chair, 2001
 - ◆ Research Committee (Chair), 1996-present
 - ◆ International Affairs Committee (Chair), 1996-present
 - ◆ Engineering III Building Committee, 2002-present
 - ◆ Engineering Building Committee (Chair), 1996-2001
 - ◆ Dean's Search Committee, 1993-1994
 - ◆ Minority Faculty Advisory Committee, 1993-1994
 - ◆ United Way Committee, 1989
 - ◆ Search Committee, 1991-1992; 1993-1994, 1995-1996
- ◆ Department
 - ◆ Faculty advisor to Water Environment Association and the Air and Waste Management Association, 1991-present
 - ◆ WEA Design Team Advisor (state and national champions in 2003, state champions 1999, 2001, 2002).
 - ◆ Civil and Environmental Engineering Department's Undergraduate Curriculum Committee, 2000-present
 - ◆ ABET Assessment Committee, 2005-present