

CURRICULUM VITAE

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DANNY DAVID REIBLE, PhD, PE(LA), BCEE, NAE Bettie Margaret Smith Chair of Environmental Health Engineering

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Environmental and Water Resources
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EDUCATION: Ph.D. Chemical Engineering, June 1982
California Institute of Technology, Pasadena, California
Thesis: Pollutant Transport in Complex Atmospheric Flows
M.S. Chemical Engineering, June, 1979
California Institute of Technology, Pasadena, California
B.S. Chemical Engineering with highest honors, May 1977
Lamar University, Beaumont, Texas

PROFESSIONAL EXPERIENCE:

8/07 - Area Coordinator, Environmental and Water Resources, University of Texas
8/04 - Bettie Margaret Smith Chair of Environmental Health Engineering, Univ of Texas
7/95 – 9/07 Director, Hazardous Substance Research Center/South & Southwest
7/93 - 7/95 Shell Professor of Environmental Engineering, University of Sydney, Sydney, Australia
1/91 - 6/91 Senior Visitor, Cambridge University, UK, Dept. Applied Math/Theoretical Physics
6/90 - 9/90 Summer Faculty Researcher, Army Research Office, Vicksburg, MS
1/87 - 12/92 Director of Graduate Instruction, Chemical Engineering, LSU
10/81 - 8/04 Department of Chemical Engineering, LSU
Professor (8/92 – 8/04), Chevron Endowed Professor (1/98- 8/04)
Professor and Director Emeritus (8/04-)

HONORS AND AWARDS:

2009 Fellow, American Association for the Advancement of Science
2007 Fellow, American Institute of Chemical Engineers
2005 National Academy of Engineering
For the “development of widely used means of management of contaminated sediments”
2004 Diplomate, American Academy of Environmental Engineers *by eminence*
Board Certified Environmental Engineer
2004 Professor Emeritus, Louisiana State University
2002 Charles E. Coates Award - American Chemical Society/American Institute of Chemical Eng.
2001 Lawrence K. Cecil Award of the American Institute of Chemical Engineers
1999 Adjunct Professor, Department of Civil and Environmental Engineering, Louisiana St Univ
1993 Fellow, Institution of Engineers, Australia
1987 American Association for the Advancement of Science
Environmental Science and Engineering Fellow
1986 New Engineering Educator Excellence Award
American Society for Engineering Education
1986 Outstanding Research Accomplishments in the Natural and
Physical Sciences by Non-Tenured Faculty, LSU N6N
1985 Ralph R. Teetor Educational Award, Society of Automotive Engineers

PROFESSIONAL ACTIVITIES:

National/International Advisory and Review Board Activities:

National Research Council Committee on OMB Risk Assessment Guidance (2006- 2007)
National Research Council Committee on Dredging Effectiveness (2006-2007)
Associate Editor, *Journal of Environmental Engineering* (2006-)
Editorial Board, *Environmental Forensics* (2006 -)
National Research Council post-Katrina Workshop Steering Committee (2005)
Member, WATERS Network Conceptual Design Team for the National Science Foundation (2005-2007)
Co-Chair, Science Committee for National Science Foundation CLEANER Initiative (2005- 2007)
National Research Council Board of Environmental Studies and Toxicology (2005-)
Director, NATO Advanced Research Workshop on Assessment and Remediation of Contaminated Sediments, Bratislava May 18-21, 2005
Advisory Board, Louisiana Water Resources Research Institute (2005-)
Chair, National Science Foundation Review- Distinguished Teacher/Scholars 2005 (member, 2004)
Associate Editor, *Journal of the Air and Waste Management Association* (2004-)
Participant and Proceedings Co-Author, Pellston Workshop- Use of Sediment Quality Guidelines (2002)
Director, National Science Foundation Pan-American Advanced Study Institute on In-Situ Assessment and Remediation of Contaminated Sites, July 22-August 2, 2002, Rio de Janeiro, Brazil
Testimony before US House of Representatives Subcommittee on Water Resources and the Environment on Management of Contaminated Sediment (2001)
Director, NATO Advanced Study Institute on In-Situ Assessment and Remediation of Contaminated Sites, May 24-June 2, 2001, Prague, Czech Republic
Chair, Workshop on Modeling Contaminated Sediments, Penn St. Univ, (July 2000)
National Research Council Committee on Environmental Remediation at Navy Facilities (2000 - 2003)
Associate Editor, *Chemical Engineering Journal*, Elsevier Science Publishers (2000- 2007)
National Research Council Committee on Remediation of PCB-Contaminated Sediments (1999 - 2001)
Scientific Advisory Committee, Environmental Technology Development and Commercialization Center
Editorial Board, *Waste Management*, Elsevier Science Journal, New York (1998- 2002)
Board of Advisors, Institute for Global Environmental Issues, Naples, FL (1994 -)
Scientific Advisory Committee, Advanced Alternative Technology Demonstration Facility (1995-1999)
External Examiner, Environmental Engineering, National Singapore University (1995 - 1999)
Chair, Bioavailability Work Group, American Academy of Environmental Engineers Workshop on Environmentally Acceptable Endpoints, Baltimore, MD (1998)
Board of the Marine Studies Centre, University of Sydney (1993-1995)
Chair, Environmental Engineering Accreditation Panel, Griffith University, Australia (1993)

University Administrative and Advisory Activities

Coordinator, Environmental and Water Resources, CAEE, University of Texas (2007-2010)
Member, College of Engineering Public Relations Committee, University of Texas (2007-2008)
Member, College of Engineering Appointments/Promotions Committee, University of Texas (2007-2008)
Chair, Faculty Evaluation Committee, CAEE, University of Texas, 2006-2007 (Member 2005-2006)
Member, LSU College of Engineering Dean's External Advisory Council (2005-)
Chair, LSU College of Engineering Research Advisory Council, 2003 – 2004
Search Committee, Vice Provost for Art and Sciences and Engineering, LSU, 2003
Member, Task Force on Administration, LSU, 2002-2004
Chair, Cain Chair Search Committee, 2001- 2004
Member, LSU College of Engineering Ad Hoc Committee on Professorships, 2001-2003
Faculty Senate, LSU, 2001 - 2004
Member, Program Review Council, LSU, 2000- 2004
Chair, Coordination Council on Environment and Technological Hazards Prevention, LSU, 2000- 2004
Member, College of Engineering, Towers of Excellence Committee, 1997-98
Member, Program Review of the Department of Chemistry, LSU, 1997
Member, College of Engineering Dean's Search Committee, 1996-1997
Chair, Chemical Engineering Department Faculty Search Committee, 1996-1997

Professional Affiliations:

American Chemical Society, member - Symposium Chair, 1999, 2009

American Institute of Chemical Engineers, member
 Symposium Chair, 1986, 1989, 1992, 1998, 1999, 2000, 2002, 2003, 2004, 2005, 2006, 2008
 Meeting Program Chair, San Diego, CA, 1990
 Executive Board of National Programming Committee, 1991-1995, Chair 1994
 Environmental Division, 2nd Vice Chair, Vice Chair, Chair, Past-Chair, 2002-2005
 Baton Rouge Section, Treasurer (1985), Chair (2000), Director (2003-2004)
 American Geophysical Union, member -Symposium Chair, 1998, 2005, 2008
 Society for Environmental Toxicology and Chemistry, member- Symposium Chair, 1999, 2008
 Member – American Associate for the Advancement of Science, Air and Waste Management Association,
 Alpha Chi Sigma (Chemistry Fraternity), American Society of Civil Engineers, American Society for
 Engineering Education, American Society for Testing and Materials, member (E50.06 Forensic
 Environmental Investigations), Association of Environmental Engineering and Science Professors,
 Institution of Engineers, Australia (Fellow, active member 1993-1995), National Academy of Engineering,
 Sigma Xi, American Academy of Environmental Engineers (Diplomate), Universities Council of Water
 Resources, Carbondale, IL -Delegate (1998-)

CURRENT ACTIVITIES:

Dr. Reible is currently the Bettie Margaret Smith Chair of Environmental Health Engineering and Coordinator of Environmental and Water Resources at the University of Texas. He is also the co-Director of the Hazardous Substance Research Center/South and Southwest (HSRC/S&SW), a competitively awarded, peer-reviewed university research consortium led by Louisiana State University with the cooperation of the Georgia Institute of Technology, Rice University, Texas A&M University and the University of Texas. Dr. Reible has served as PI on projects totaling in excess of \$20 million and has authored/edited 5 books, 25 chapters in books, and approximately 90 refereed journal papers.

Major recent and current research activities for which Dr. Reible served as PI or co-PI, including recent awards since arriving at the University of Texas (indicated with UT) are listed below:

- EPA - Core Research and Technology Transfer (1991-2007) - \$15 MM PI
- EPA - Technical Outreach Services to Communities (1995 -2007) \$2.4 MM PI
- EPA - Technical Assistance for Brownfields (1998 -2008) \$750 K PI
- DC and EPA - Anacostia Active Cap Demonstration Program (2001- 2008) \$4.25 MM + ~\$2M EPA PI
- State of LA - Louisiana Biotechnology Initiative (2002 -2007) \$515 K (+ \$235 K/yr through 2007) PI
- NATO - Advanced Research Workshop on Assessment and Remediation of Contaminated Sediments, (2005) \$47K PI (UT)
- EPA - Bioavailability of desorption resistant contaminants (2004-2007) \$181 K PI (UT)
- DC – Monitoring of Anacostia Active Capping Demonstration Program (2004-2008) \$337K PI (UT)
- Oregon DEQ – Organoclay for control of NAPL in sediments (2004-2006) \$190K PI (UT)
- CETCO – Investigation of organoclays for sediment remediation (2004-2007) \$110K PI (UT)
- SERDP - Innovative In-Situ Remediation of Contaminated Sediments for Simultaneous Control of Contamination and Erosion (2006-2009) \$990K co-PI (\$300K UT)
- ESTCP - Demonstration and Evaluation of Solid Phase Microextraction for the Assessment of Bioavailability and Contaminant Mobility (2006-2009) \$720K PI (\$420 K UT)
- URS - Evaluation Of Capping Of Citgo Calcasieu Estuary Lagoon (2006-2008) \$92.5K PI (UT)
- Parsons – Biodegradation in Sediment Caps (2007-2008) \$480K PI (UT)
- EPRI – Laboratory Studies of Organoclay for MGP wastes (2007-2008) \$1155K PI (UT)
- NIH – Remediation of contaminated sediments using Waterjet Amendment (2007-2010) RO1co-PI (75K UT)
- NIH – Funnel and gate Innovations for Containment and Treatment of Contaminated Sediments (2007-2010) RO1 900K PI (UT)

I. PUBLICATIONS

A. Refereed Publications

Books

1. Danny D. Reible and Tomas Lanczos, Ed. *Assessment and Remediation of Contaminated Sediments*, NATO Science Series IV, Earth and Environmental Sciences Vol. 73. Springer-Verlag, Dordrecht, Netherlands (2006)
2. Calvin C. Chien; Miguel A. Medina, Jr.; George F. Pinder; Danny D. Reible; Brent E. Sleep; and Chunmiao Zheng, Ed. *Environmental Modeling and Management: Theory, Practice, and Future Directions*, Today Media, Inc., Wilmington, DE (2002) Reprinted with revisions as *Contaminated Ground Water and Sediment*, Lewis Publishers (2004)
3. Reible, D., K. Demnerova, Ed. *In-Situ Assessment and Remediation of Contaminated Sites*, Nato Science Series in Environmental Sciences, Kluwer, Netherlands (2002)
4. Choy, B. and D.D. Reible, *Diffusion Models of Environmental Transport*, CRC/Lewis Publishers (2000) 184 pp.
5. Reible, D.D. *Fundamentals of Environmental Engineering*, CRC/ Lewis Publishers (1999) 526 pp.

National Research Council Refereed Committee Reports

1. Farrington, J. W., R. Loehr, E. Anderson, W. F. Bohlen, Y. Cohen, K. Farley, J. Giesy, D. Henshel, S. Lester, K. Liegel, P. McCarty, J., O'Donoghue, J. Opaluch, D. Reible, *A Risk Management Strategy for PCB-Contaminated Sediments*, National Academy Press (2001)
2. Bouwer, E.J., Parkin, G.F., Garland, S.B., Haas, P.E., Johnson, R., Lorah, M.M., Pohland, F.G., Reible, D.D., Siegel, L.M., Small, M.J., Stahl, R.G., Stark, A.D., Valocchi, A.J., Walsh, W.J., Welty, C., *Environmental Cleanup at Navy Facilities: Adaptive Site Management* National Academy Press (2003)
3. Ahearne, J.F., G.V. Alexeff, G.B. Baecher, A. J. Bailer, R. M. Cooke, C.E. Feigley, B. Fischhoff, C. P. Gerba, R. H. Goldman, R. Haveman, W. E. Kastenber, S. Katzen, E. Miranda, M. Newman, D. E. Patton, C. Poole, D.D. Reible, J. V. Rodricks, *Scientific Review of the Proposed Risk Assessment Bulletin from the Office of Management and the Budget*, National Academy Press (2007)
4. O'Melia, C.R., G.A. Burton, W.H. Clements, F.C. Curriero, D.Di Toro, N.R. Francingues, R.G. Luthy, P.L. McCarty, N. Musgrove, K.N. Probst, D.D. Reible, L.J. Thibodeaux, D.J. Voorhees, J. Wolfe, *Assessing the Effectiveness of Dredging at Superfund Megsites*, National Academy Press (2007)

Chapters in Books

1. Thibodeaux, L.J., G. Matisoff, D. Reible, Bioturbation and other sorbed-phase transport processes in surface soils and sediments. Chapter 12 in *Handbook of Environmental Chemical Mass Transport*, Taylor and Francis, CRC Press (2009)
2. D.D. "Contaminant Processes in Sediments," in *Sedimentation Engineering- ASCE Manual Volume 110*, Ed. Marcel Garcia. (2008)
3. Reible, D.D. and L.J. Thibodeaux, Particle and soluble release of organic contaminants from the sediment bed, *Chemistry in the Environment*, Italian Interuniversity consortium (INCA), Rome, Italy (2006)
4. Reible, D.D. and G. V. Lowry, In situ cap and treat technologies for contaminated sediments, *Chemistry in the Environment*, Italian Interuniversity Consortium (INCA) Rome, Italy (2006)

5. Jeanne E. Tomaszewski, Dennis W. Smithenry, Yeo-Myoung Cho, Richard G. Luthy, Greg V. Lowry, Danny Reible, Tomas Macek, Martina Surá, Zuzana Chrastilova, Katerina Demnerova And Martina Macková, Daniela Pavliková, Miklos Szekeres, Michel Sylvestre, Treatment and containment of contaminated sediments, Chapter 3 in *Assessment and Remediation of Contaminated Sediments*, D.D. Reible and T. Lanczos, Ed. NATO Science Series IV, Earth and Environmental Sciences Vol. 73. Springer-Verlag, Dordrecht, Netherlands (2006)
6. Sam Bentley, Louis Thibodeaux, Peter Adriaens, Meng-Yeng Li, María Romero-González* And Steven A. Banwart, Zdenek Filip And Katerina Demnerova, Danny Reible, Physicochemical and biological assessment and characterization of contaminated sediments, Chapter 2 in *Assessment and Remediation of Contaminated Sediments*, D.D. Reible and T. Lanczos, Ed. NATO Science Series IV, Earth and Environmental Sciences Vol. 73. Springer-Verlag, Dordrecht, Netherlands (2006)
7. Reible, D.D. Options for the Neponset, Chapter 26 in *Contaminated Soils, Sediments and Water: Successes and Challenges, Vol 10*, EJ. Calabrese, P.T. Kostecki and J. Dragun, Ed. Springer (2006)
8. Lowry, G.V, P.J. Murphy, A. Marquette, and Reible, D.D. Sorbent Amended “Active Sediment Caps for In-Place Management of PCB-Contaminated Sediments”, Chapter 27 in *Contaminated Soils, Sediments and Water: Successes and Challenges, Vol 10*, EJ. Calabrese, P.T. Kostecki and J. Dragun, Ed. Springer (2006)
9. Chapman, P., W.J. Birge, R.M. Burgess, W.H. Clements, W.S. Douglas, M.C. Harass, C. Hogstrand, D.D. Reible, A. Ringwood, Role of Sediment Quality Guidelines and Other Tools in Aquatic Habitats, Chapter 7 in *Use of Sediment Quality Guidelines*, Ed. By R. Wenning, C. Ingersoll and G. Batley, SETAC Press (2005)
10. Chapman, P., W.J. Birge, R.M. Burgess, W.H. Clements, W.S. Douglas, M.C. Harass, C. Hogstrand, D.D. Reible, A. Ringwood, Uncertainties in Assessment of Sediment Systems, Chapter 17 in *Use of Sediment Quality Guidelines*, Ed. By R. Wenning, C. Ingersoll and G. Batley, SETAC Press (2005)
11. Danny D. Reible; Richard H. Jensen; Samuel J. Bentley; Mimi B. Dannel; Joseph V. DePinto; James A. Dyer; Kevin J. Farley; Marcelo H. Garcia; David Glaser; John M. Hamrick; Wilbert J. Lick; Robert A. Pastorok; Richard F. Schwer; C. Kirk Ziegler, “The Role of Modeling in Managing Contaminated Sediments” in *Environmental Modeling and Management: Theory, Practice, and Future Directions*, p. 63-110 (2002). Reprinted as *Contaminated Ground Water and Sediment*, Lewis Publishers, 2004
12. L.J. Thibodeaux, D.D. Reible and K.T. Valsaraj, “Non-particle Resuspension Chemical Transport from Stream Beds,” Chapter 7 in *Chemicals in the Environment: Fate, Impacts and Remediation*, Ed. R. Lipnick, R. Mason, M. Phillips and C. Pittman, ACS Symposium Series 806 (2002)
13. Corbisier, P. L. Diels¹, T.H. Illangasekare, D.D. Reible, M. Reinhard, J. Vangronsveld, Mobility and Availability of Contaminants, in Reible, D., K. Demnerova, Ed. *In-Situ Assessment and Remediation of Contaminated Sites*, Nato Science Series in Environmental Sciences, Kluwer, Netherlands (2002)
14. Illangasekare, T.H. and D.D. Reible, “Pump and Treat for Remediation and Plume Containment: Applications, Limitations and Relevant Processes,” Chapter 3 In *Groundwater Contaminated by Organic Pollutants*, J.J. Kaluarachchi, Ed., ASCE Manuals and Reports on Engineering Practice No. 100 (2000)
15. Reible, D.D. and L. J. Thibodeaux. Contaminated Sediment Management Technical Papers. Appendix C- Using Natural Processes to Define Exposure from Sediments. Sediment Management Work Group, Detroit, MI. 1999.
16. Reible, D.D., R. Chaney, J. Hughes, Bioavailability, in *Environmental Availability in Soils*, W.C. Anderson, R. C. Loehr, B. P. Smith, Ed., American Academy of Environmental Engineers, Annapolis, Md. (1999)

17. Thoma, G.J., D.D. Reible, K.T. Valsaraj, L.J. Thibodeaux and D. Timberlake, "Capping of Contaminated Sediments: Experimental Results and Validation of Mathematical Models", in *Emerging Technologies in Hazardous Waste Management VI*, D. W. Tedder and F. G. Pohland, Eds., American Academy of Environmental Engineers (1996)
18. Reible, D.D., "Chemodynamics" *Encyclopedia of Energy Technology and the Environment*, 573-587 (1995)
19. Valsaraj, K.T., L.J. Thibodeaux and D.D. Reible, "Modeling Air Emissions from Contaminated Sediment Dredged Materials," in *Dredging, Remediation, and Containment of Contaminated Sediments, ASTM STP 1293*, K.R. Demars, G.N. Richardson, R.N. Young, and R.C. Chaney, Eds., American Society for Testing and Materials, Philadelphia, pp. 227-238 (1995)
20. Clarke, J., D.D. Reible, R. Mutch, "Contaminant transport and behavior in the subsurface," In *Hazardous Waste Soil Remediation: Theory and Application of Innovative Technologies*, D. Wilson & A. Clarke, Ed., Marcel-Dekker, 1-49 (1993)
21. Reible, D.D., K.T. Valsaraj and L.J. Thibodeaux, "Chemodynamic Models for Transport of Contaminants from Sediment Beds", in *Handbook of Environmental Chemistry*, O. Hutzinger, Ed., Springer-Verlag, Heidelberg 187-228 (1991)
22. Rhee, S.W., D.D. Reible and W.D. Constant, "Simulation of the Effects of Shale Heterogeneities on Effective Permeability in Deep Well Injection Systems," in *Advances in Filtration and Separation Technology*, V. 3, pp. 215-233, Gulf Publishing Co., Houston, TX, 1991.
23. Thoma, G.J., A.C. Koulermos, K.T. Valsaraj, D.D. Reible and L.J. Thibodeaux, "The Effects of Pore Water Colloids on the Transport of Hydrophobic Organic Compounds from Bed Sediments," Chapter 13 in *Organic Substances in Soils and Sediments*, R.A. Baker, ed., Lewis Publishers 231-250 (1991)
24. Reible, D.D. and T.H. Illangasekare, "Subsurface Processes of Non-Aqueous Phase Liquids," in *Intermedia Pollutant Transport: Modeling and Field Measurements*, D. Allen, Y. Cohen and I. Kaplan, Ed., Plenum Press 237-254 (1989).
25. Savant, S.A., D.D. Reible, G.S. Gipson, J.D. Boyle and L.J. Thibodeaux, "An Investigation of the Significance of Convective Transport in River Sediments", in *Health and Environmental Research on Complex Organic Mixtures*, Gray, R., E. Chess, P. Mellinger, R. Riley and D. Springer, eds. DOE Symposium Series, Vol. 62 (1987)
26. Thibodeaux, L.J., D.D. Reible and C.S. Fang, "Transport of Chemical Contaminants in the Marine Environment Originating from Off-shore Drilling Bottom Deposits - A Vignette Model", in *Pollutants in a Multimedia Environment*, Yoram Cohen, Ed., Plenum Press (1986)
27. Gipson, G.S. and D.D. Reible, "A Hybrid Boundary Element- Perturbation Technique for Forced Oscillations of Membrane Structures," in *Recent Applications in Computational Mathematics*, D.L. Karabalis, ed., ASCE, New York (1986)
28. Reible, D.D., P. Yonts and F.H. Shair, "The Effect of the Return of Exhausted Building Air on Indoor Air Quality", in *Indoor Air Quality in Cold Climates: Hazards and Abatement Measures*, D.S. Walkinshaw and J. A. Frazier, ed. (1986)

Refereed Journal Publications

1. Yuan, Q., K.T. Valsaraj, D.D. Reible, A Model for Contaminant and Sediment Transport via Gas Ebullition through a Sediment Cap, In press, *Environmental Engineering Science*

2. Lampert, D.J., D. D. Reible, An Analytical Modeling Approach for Evaluation of Capping of Contaminated Sediments, *Soil and Sediment Contamination: An International Journal*, 18, 4, 470-488 (2009)
3. Go, J., D.J. Lampert, J.A. Stegman, D.D. Reible, Predicting contaminant fate and transport in sediment caps: Mathematical modeling approaches, *Journal of Applied Geochemistry*, 24, 7, 1347-1353 (2009)
4. Barth, E., D. Reible and A. Bullard, Evaluation of the physical stability, groundwater seepage control, and faunal changes associated with an AquaBlok® sediment cap, *Remediation: The Journal of Environmental Cleanup Costs, Technologies and Techniques*, 18, 4, Fall (2008) (p 63-70)
5. Knox, A.S., M.H. Paller, D.D. Reible, X.Ma, I.G. Petrisor, "Sequestering Agents for Active Caps-Remediation of Metals and Organics", *Soil and Sediment Contamination*, 17 (5) 516-532 (2008)
6. Gustavson, K.E., G.A. Burton, N.R. Francinques, D.D. Reible, D.J. Vorhees, J.R. Wolfe, "Evaluating the effectiveness of contaminated sediment dredging", *Environmental Science and Technology*, 42, 14, 5042-5047 (2008)
7. Liu, J., D. Reible, KT Valsaraj, R. Delaune, I Devai, "Observations of mercury fate and transport beneath a sediment cap", *Land Contamination and Reclamation* (2008)
8. Reible, D.D. "Hurricane Katrina: Environmental Hazards in the Disaster Area," *Cityscape*, November, 2007
9. Yuan, Q., KT Valsaraj, DD. Reible and CS Willson, "A laboratory study of sediment and contaminant release during gas ebullition," *Journal of the Air and Waste Management Association*, 59, 9 (2007)
10. Chai, Y., A. Kochetkov, D.D. Reible, The Use of Coarse, Separable, Condensed-Phase Organic Carbon Particles to Characterize Desorption Resistance of Polycyclic Aromatic Hydrocarbons in Contaminated Sediments, *Environmental Toxicology and Chemistry*, 26 , 7 1380-1385 (2007)
11. McDonough, K.M., P. Murphy, J. Olsta, Y. Zhu, D. Reible, G. Lowry, Development and Placement of a Sorbent-amended Thin Layer Sediment Cap in the Anacostia River, *Journal of Soil and Sediment Remediation* 16:3, 313-322 (2007)
12. Reible, D.D., D. Lampert, W. D. Constant, R.D. Mutch, and Y. Zhu, Active Capping Demonstration in the Anacostia River, Washington, DC, *Remediation: The Journal of Environmental Cleanup Costs, Technologies and Techniques*, 17, 1, Winter (2006)
13. Chai, Y. A. Kochetkov and D.D. Reible, Modeling Biphasic Sorption And Desorption Of Hydrophobic Organic Contaminants In Sediments, *Environmental Toxicology and Chemistry*, 25, 12, 3133-3140 (2006)
14. Chai, Y. A. Kochetkov and D.D. Reible, Sorption Kinetics of Hydrophobic Organic Compounds to Natural Sediments and Soils, *Environmental Toxicology and Chemistry*, 25, 11, 2827-2833 (2006)
15. Lu, X., D.D. Reible, J.W. Fleegeer, Bioavailability of Polycyclic Aromatic Hydrocarbons in Field-Contaminated Anacostia River (Washington, DC) Sediment, *Environmental Toxicology and Chemistry*, 25, 11, 2869-2874 (2006)
16. Murphy, P. A. Marquette, D. Reible, and G. V. Lowry Predicting the Performance of Activated Carbon-, Coke-, and Soil-Amended Thin Layer Sediment Caps, *Journal of Environmental Engineering*, **132**,7 (2006)
17. Gomez-Hermosilla, C., J. H. Pardue, D.D. Reible, Wetland plant uptake of desorption resistant contaminants from sediments, *Environmental Science and Technology* 40, 3229-3236 (2006)
18. Priklonsky, V.I., D. D. Reible and J.M. Tyler, Consistent unconfined contaminated disposal facilities dike

- tidal flow and transport model, *Environmental Modeling and Software*, 20,9 1071-1079 (2005).
19. Apitz, A.E, J. W. Davis, K. Finklestein, D.W. Hohreiter, R. Hoke, R.H. Jensen, J. Jersak, V.J. Kirtay, E.E. Mack, V.S. Magar, D.Moore, D. Reible, R.G. Stahl, "Assessing and Managing Contaminated Sediments: Part I, Developing an Effective Investigation and Risk Evaluation Strategy", *Integrated Environmental Assessment and Management*, 1, 1 2-9 (2004)
 20. Apitz, A.E, J. W. Davis, K. Finklestein, D.W. Hohreiter, R. Hoke, R.H. Jensen, J. Jersak, V.J. Kirtay, E.E. Mack, V.S. Magar, D.Moore, D. Reible, R.G. Stahl, "Assessing and Managing Contaminated Sediments: Part II, Evaluating Risk and Monitoring Sediment Remedy Effectiveness", *Integrated Environmental Assessment and Management*, 1, 1 e1 (2004)
 21. Lu, X.X., D. D. Reible, J. W. Fleeger, Relative Importance of Ingested Sediment Versus Pore Water Uptake Routes for PAHs to the Deposit-Feeding Oligochaete *Ilyodrilus templetoni*, *Archives of Environmental Contamination and Toxicology*, 47(2) 207-214 (2004).
 22. Thibodeaux, L.J., H. Huls, R. Ravikrishna, K.T. Valsaraj, M. Costello, D. Reible, "Laboratory Simulation of Chemical Evaporation from Dredge-Produced Sediment Slurries" *Environmental Engineering Science*, 21, 6, 730-740 (2004)
 23. Lu, X.X., D.D Reible, J.W. Fleeger, 'Adsorption/desorption and bioavailability of sediment-associated benzo[a]pyrene', *Environmental Toxicology and Chemistry*, 1, p. 57-64 (2004).
 24. Yan, Le, Karsten E. Thompson, Kalliat T. Valsaraj, and Danny D. Reible In-Situ Control of DNAPL Density Using Polyaphrons, *Environ. Sci. Technol.*; 37(19) pp 4487 – 4493 (2003)
 25. Reible, D.D., D. Hayes, C. Lue-Hing, J. Patterson, N. Bhowmik, M. Johnson, and J. Teal, "Comparison of the Long-Term Risks of Removal and In-Situ Management of Contaminated Sediments in the Fox River", *Journal of Soil and Sediment Contamination*, 12(3) 325-344 (2003)
 26. Lu, X.X., D. Reible, "Linking sediment exposure with effects: modeling techniques, organic availability and uptake", *Int'l Journal of Sediment Research*, 18, 2 208-213 (2003)
 27. Lu, X.X, D. D. Reible, J.W. Fleeger, and Y.Z. Chai, "Bioavailability of Desorption –Resistant Phenanthrene to the Oligochaete *Ilyodrilus templetoni*" *Environmental Toxicology and Chemistry*, 22, 153-160 (2003)
 28. Work, P.A., P.R. Moore, and Reible, D.D., Bioturbation, advection, and diffusion of a conserved tracer in a laboratory flume *Water Resources Research*, v 38, n 6, 241-249 (2002)
 29. Reible, D. And S. Mohanty, "A Levy Flight Random Walk Model for Bioturbation", *Environmental Toxicology and Chemistry*, 21, 4 875-881 (2002)
 30. Ravikrishna, R., K.T. Valsaraj, L.J. Thibodeaux, and D.D. Reible. Effects of oil and grease on the vaporization of organic compounds from contaminated sediments, *Environmental Engineering Sciences*, 19, 2, 101-114 (2002).
 31. Sanchez, FF, LJ Thibodeaux, KT Valsaraj and DD Reible.. "Multimedia Chemical Fate Model for Environmental Dredging". *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, Vol. 6, No. 2, p. 120-128. Amer. Soc. Civil Engineers. (2002)
 32. Choy, B, D.D. Reible and K.T. Valsaraj. Volatile Emissions for variable moisture content sediments. *Environmental Engineering Science* 18 (5): 279-289 (2001)
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54. McCutcheon, S.C. and D.D. Reible, "Benthic Exchange of Toxic Contaminants", published in the Proceedings of the ASCE, Hydraulics Division Special Conference, August, 1992, Baltimore, MD.
55. Reible, D.D., Evaluation of Contaminant Losses from Components of Remediation Alternatives for Contaminated Sediment, Final Report to Batelle/Army Research Office, June 1992
56. Tittlebaum, M., D.D. Reible and R. Thompson (LaTech) Evaluation of Potential Hazard Exposure Resulting from DOE Waste Treatment and Disposal at RES, Final Report to the US Department of Energy, April 1992
57. Illangasekare, T.H., D. Znidarcic, M. Al-Sheridda and D.D. Reible, "Multiphase Flow in Porous Media," in the Proceedings of International Centrifuge Conference, H.Y. Ko and F.G. McLain, Ed. (1991).
58. Rhee, S.W., D.D. Reible and W.D. Constant, "Simulation of the Effects of Shale Heterogeneities on Effective Permeability in Deep Well Injection Disposal Systems, presented at the Fall Meeting of the American Filtration Society, October, 1990, Baton Rouge, LA.
59. Illangasekare, T.H., E.J. Armbruster, D. Yates, D.Szlag, D.D. Reible, D.V. Doshi and J.L. Smith, "Transport and Entrapment of Nonaqueous Phase Waste Products in Heterogeneous Media," Proceedings of the 4th Symposium of the Hazardous Waste Research Center, Louisiana State Univ., Baton Rouge, LA, October, 1990.
60. Rhee, S., D.D. Reible and W.D. Constant, "Stochastic Modeling of Vertical Movement of Hazardous Waste in Deep Well Disposal Systems," Proceedings of the 11th Korea Symposium on Science and Technology, Seoul, Korea, June 1990.

61. Illangasekare, T.H., E.J. Armbruster, D. Yates, D.Szlag and D.D. Reible, "Effect of Heterogeneity on Transport and Entrapment of Nonaqueous Phase Waste Products in Aquifers," Proceedings of the 3rd Symposium on Hazardous Substances, Kansas State University, Manhattan, KS, 1990.
62. Rhee, S., D.D. Reible and W.D. Constant, "Modeling of Confining Layer Integrity in Deep Well Disposal Systems," in the Proceedings of the 1st Annual Meeting of the American Filtration Society, October, 1989, Houston, TX.
63. Reible, D.D. and T.H. Illangasekare, "Transport of Lighter than Water Nonaqueous Phase Liquids in and above Water Table Aquifers: Experiments, Modeling and Parameter Estimation", Proceedings of the Third Annual Symposium on Hazardous Waste Research, Baton Rouge, LA, October 18-19, 1989.
64. Reible, D.D. and T.H. Illangasekare, "Modeling Transport of Multiphase Subsurface Contaminants", Proceedings of the Second Annual Symposium on Hazardous Waste Research, Baton Rouge, LA, October 25-26, 1988.
65. Reible, D.D. and T.H. Illangasekare, "Two Dimensional Transport of Concentrated Organic Waste in Ground Water", published in the Proceedings of the International Conference on Groundwater Contamination: Use of Models in Decision Making, Amsterdam, October, 1987, International Groundwater Modeling Center, Martinus Nijhoff.
66. Chitgopekar, N.P., D.D. Reible and L.J. Thibodeaux, "A Model for describing Short Range Dispersion near Area Sources of Toxics", Proceedings of the LSU HWRC Symposium on Hazardous Waste Research, Baton Rouge, LA, October 20-21, 1987.
67. Reible, D.D., and T.H. Illangasekare, "Modeling Transport of Multiphase Subsurface Contaminants", Proc. of the LSU HWRC Symposium on Hazardous Waste Research, Baton Rouge, LA, October 20-21, 1987.
68. Illangasekare, T.H. and D.D. Reible, "Study of Concentrated Organics in the Unsaturated Zone", published in the Proceedings of the Second International Conference on New Frontiers in Hazardous Waste Management, Pittsburgh, PA, August 1987.
69. Reible, D.D., "Subsurface Contamination by Multiphase Processes: Research and Policy Implications for the EPA", AAAS Environmental Science and Engineering Fellows Program Report, EPA, Washington, D.C., August 1987.
70. Illangasekare, T.H., P. Brody and D.D. Reible, "A Study of Two-dimensional Transport of Concentrated Organics in Saturated and Unsaturated Soils", Proceedings, AGU Front Range Branch Hydrology Days, Ed. H.J. Morel-Seytoux (1987)
71. Reible, D.D. "The Boundary Element Method and Applications "Economic Methods for Multipollutant Analysis and Evaluation", AIChE Journal, 33 (1) 172 (1987)
72. Reible, D.D. and T.H. Illangasekare, "Development and Experimental Verification of a Model for Transport and Entrapment of Concentrated Organics in the Unsaturated Zone", published in Petroleum Hydrocarbons and Organic Chemicals in Ground Water: Prevention, Detection, and Restoration, NWWA (1986)
73. Reible, D.D. and K.B. Garg, "Characterization of the Transport and Dispersion of Stack Gases from a Coal-Fired Power Plant," Final Report to the Gulf States Utilities Co., Beaumont, Texas, February 1986
74. Reible, D.D. and K.B. Garg, "Characterization of the Transport and Dispersion of Stack Gases from a Coal-Fired Power Plant," Final Report to the LSU Center for Energy Studies, Baton Rouge, LA, September, 1985.

75. Dean, J.D., D.F. Atwood, A.S. Dorigan, F.R. Groves, D.D. Reible, L.J. Thibodeaux, P.S.C. Rao, and J.R. Withey, "Exposure Assessment involving Mixtures of Environmental Pollutant" Final Report to the USEPA on Contract No. 68-03-3116 December 1984.
76. Reible, D.D., D.M. Wetzel, R.S. Willms, A.K. Martin and D.P. Harrison, "Soil Detoxification using Modified Wet-Air Oxidation", Final Report to USEPA on Contract No. 68-03-3014, July, 1984.
77. Wetzel, D.M. and D.D. Reible, "Alternative methods for the destruction of hazardous wastes", Final Report to the LSU Hazardous Waste Research Center, January 1983.
78. Reible, D.D. and D.M. Wetzel "A Literature Survey of Three Selected Hazardous Waste Destruction Techniques," Proceedings of the Ninth Annual Research Symposium on Land Disposal of Hazardous Waste, US EPA, Municipal Environmental Research Laboratory, Cincinnati, Ohio 45268, 408-414 (1983)
79. Reible, D.D., F.H. Shair, T.B. Smith and D.E. Lehrman, "A Study of the Origin and Fate of Air Pollutants in California's Sacramento Valley", Final Report to the California Air Resources Board, December 1981.
80. Reible, D.D., F.H. Shair, T.B. Smith and D.E. Lehrman, "The Origin and Fate of Airborne Pollutants within the San Joaquin Valley", Final Report to the California Air Resources Board, June 1981.
81. Reible, D.D., F.H. Shair, T.B. Smith and D.E. Lehrman, "A Study of Transport into, within and out of Coastal Areas of Southern Santa Barbara County and Ventura County", Final Report to the Ventura Air Pollution Control District, June 1981.

III. GRANTS AND CONTRACTS

Reible, D.D. (PI) J. Hughes, G. Lowry, Funnel and gate Innovations for Containment and Treatment of Contaminated Sediments (2007-2010) RO1 900K

Burken, J.G, A.C. Elmore, D. Summers, D. Reible (co-PI), Remediation of contaminated sediments using Waterjet Amendment (2007-2010) RO1co-PI (75K UT share)

Reible, D.D. (PI), M.J. Kirisits, K. Kinney and G. Speitel, Biodegradation in Sediment Caps: Bench Scale Testing ,Parsons (2007-2009) \$480K

Reible, D.D. Laboratory Studies of Organoclay for MGP wastes EPRI (2007-2008) \$95K

Knox, A, D.D. Reible (Co-PI), and I. Petrisor, Innovative In-Situ Remediation of Contaminated Sediments for Simultaneous Control of Contamination and Erosion SERDP (2006-2009) \$990,000 (\$300,000 UT)

Reible, D.D. (PI) and G. Lotufo, Demonstration and Evaluation of Solid Phase Microextraction for the Assessment of Bioavailability and Contaminant Mobility ESTCP (2006-2009) \$720,000 (\$420,000 UT)

Reible, D.D. Evaluation Of Capping Of Citgo Calcasieu Estuary Lagoon URS (2006) \$92,500

Reible, D.D. Gift- Development of Active Capping, CETCO, (2005) \$30,000 renewed for \$35,000 each year 2006 and 2007.

Reible, D.D. Bioavailability of Desorption Resistant Contaminants, EPA through LSU \$181,000 (1/05-1/06)

Reible, D.D. Monitoring Cap Performance – Anacostia Active Capping Demonstration Washington DC through LSU, \$336,834 (11/04-11/07)

Reible, D.D. Organoclay Laboratory Study, Oregon Department of Environmental Quality \$75,000 (9/04-6/05) Renewed \$36,352 (6/06-9/06) Renewed \$78,000 (8/08-8/09)

Reible, D.D (PI) Valsaraj, K.T Evaluation of Capping of the CITGO Surge Pond and Lagoon, CITGO, \$84,881 (2004-2005)

Reible, D.D. (PI) DeLaune, R., Valsaraj, K.T. Evaluation of Capping of Pompton Lake Acid Brook Delta Mercury Deposits, Dupont \$105,693 (2004-2005)

Reible, D.D., J. Pardue, W. Moe, F. Rainey, Enhancement of the Biotechnology Initiative of the Hazardous Substance Research Center, Louisiana Biotechnology Initiative, \$285,000 (capital), \$235,000 (annual recurring funds 1/03-1/08)

Reible, D.D. Field Demonstration of "Active" Caps, District of Columbia
\$2.25 Million (10/01-9/02)
\$993,500 (10/02-9/03)
\$500,000 (10/03-9/04)
\$500,000 (10/04-9/05)

Reible, D.D., In Situ Assessment and Remediation of Contaminated Sites, Pan American Advanced Studies Institute, National Science Foundation, \$90,000 (10/01-9/02)

Reible, D.D. Technical Assistance for Brownfields, US EPA,
\$150,000 (10/01-9/02)
Renewed \$155,000 (10/02-9/03)
\$450,000 (10/03-9/05)

Reible, D.D., Hazardous Substance Research Center/S&SW, US EPA, \$4.5 Million (10/01-9/06)

Reible, D.D., K. Demnerova, In-Situ Assessment and Remediation of Contaminated Sites, NATO Advanced Study Institute, 3.04 MM Belgian Francs (5/00-6/01)

Reible, D.D., Bioavailability of Desorption Resistant Organic Contaminants, Defense Special Weapons Agency, \$ 1.377 MM (10/98-10/01)

Thibodeaux, L.J., D.D. Reible, and K.T. Valsaraj, Effectiveness of Environmental Dredging, Alcoa, \$99,000 (1/98-1/01)

Reible, D.D., Hazardous Substance Research Center/S&SW, US EPA, \$4.487 Million (10/97-9/01)

Reible, D.D., Technical Outreach Service to Communities - Collateral Award, US EPA, \$1,168,761 (10/97-9/01)

Walk Haydel, Alpine Geophysics, LLC, LSU, Nash Roberts, Tracer ES&T, Breton Aerometric Monitoring Program, 1 MM\$ (LSU First Phase, 9/97-2/98, ~ \$50,000).

Work, P., D.D. Reible, Assessment of the Effect of Bioturbation on Advective Contaminant Exchange at the Sediment-Stream Interface, Water Resources Research Institute, 9/96 - 8/98, \$92,239 (LSU \$21,000).

Valsaraj, K.T., L.J. Thibodeaux, D.D. Reible and J. Brannon, Modeling of air emissions from contaminated dredged materials, LSU HSRC and US Army, 6/94-5/97, \$275,000, renewed 10/97-9/98, \$100,000.

Reible, D.D., L.J. Thibodeaux and K.T. Valsaraj, Placement and Effectiveness of Capping for the Remediation of Contaminated Sediment, LSU HSRC, 5/1/95-4/30/97, \$200,000

Reible, D.D., Sediment Remediation by Capping, US EPA Risk Reduction Engineering Laboratory, 9/92-8/94, \$190,000, Renewal 9/94-8/97 with Louis Thibodeaux, \$120,000

McIlhenny, R. and D.D. Reible, Closeout Foam Modeling, Martin-Marietta Manned Space Systems, 7/1/92-12/18/92, \$25,000

Reible, D.D., Contaminant Losses from Confined Disposal Facilities, US Army Research Office, 8/1/92-7/31/95, \$65,903

Reible, D.D., Evaluation of Contaminant Losses from Components of Remediation Alternatives for Contaminated Sediment, US Army Corps of Engineers, 3/92 - 7/93, \$31,000

Reible, D.D., K.T. Valsaraj, L.J. Thibodeaux and T.E. Myers, An Investigation Chemical Transport from Contaminated Sediment through Porous Containment Structures, EPA through LSU Hazardous Substances Research Center (HSRC), 2/1/92-2/1/95, \$220,000

Reible, D.D., K.T. Valsaraj, L.J. Thibodeaux and J.W. Fleeger, Pollutant Fluxes to Aquatic Systems via Coupled Biological and Physicochemical Bed Sediment Processes, LSU HSRC, 2/1/92-2/1/95, \$250,000 Renewal, 5/1/95-4/30/97, \$200,000, renewed 10/97-9/98, \$85,000.

Thibodeaux, L.J., D.D. Reible and K.T. Valsaraj, Transport processes through interfaces, membranes and porous media ,NSF/LASER-EPScOR, 1/1/92-1/1/96, \$450,000

Tittlebaum, M., D.D. Reible and R. Thompson (LaTech) Evaluation of Potential Hazard Exposure Resulting from DOE Waste Treatment and Disposal at RES, US Department of Energy, 8/91-1/92, \$167,001

Reible, D.D., Evaluation of Contaminant Losses from Components of Remediation Alternatives for Contaminated Sediment, Batelle/Army Research Office, 1/91-6/92, \$30,000

Thibodeaux, L.J., D.D. Reible, K.T. Valsaraj and X.Q. Wang, Experimental studies on the efficiency of capping contaminated bed sediment in-situ, LSU Hazardous Waste Research Center (HWRC), 1/11/90-1/10/93, \$145,000

Reible, D.D. and T. Illangasekare, Transport of concentrated organics in the unsaturated and saturated zones below spill and dump sites, EPA and LSU HWRC, 1/86-1/93, \$354,000, \$20,000 direct EPA

Constant, W.D., D.D. Reible, W. Bernard and S. Field, Evaluation of the mechanisms and rate of transport in deep-well injection strata, Underground Injection Practices Council and LA Chemical Assoc., 4/1/89-8/15/91, \$75,000

McIlhenny, R.C. and D.D. Reible, Optimized computer-aided design for reaction-injection molding, LA Educational Quality Support Fund (LEQSF),7/1/87-12/30/90, \$280,000

Collier, J.R., D.D. Reible and F.C. Knopf, Advanced materials characterization, manufacturing and processing, LEQSF, 7/1/89-6/30/90, \$285,000

Reible, D.D., J.R. Collier and D.Nikitopoulos, Image analysis system, ARCO Chemical Company Foundation, 1/1/90-7/1/90, \$20,000

Reible, D.D. and L.J. Thibodeaux, An experimental study for short range air dispersion of toxics from area sources, EPA and LSU HWRC, 1/1/86-1/1/89, \$122,000, \$75,000 EPA direct

Thibodeaux, L.J. and D.D. Reible, Laboratory investigation of the natural recovery processes of marine

sediment contaminated during off-shore drilling activities, LSU Center for Energy Studies (CES), 8/1/86-7/1/87, \$21,203

Reible, D.D., Characterization of the transport and dispersion of the stack gases from the Lake Charles coal-fired power plant of Gulf States Utilities, Gulf States Utilities and LSU CES, 7/1/83-1/1/86, \$62,000

IV. PARTICIPATION AT PROFESSIONAL MEETINGS

A. Presentations: More than 200 presentations at regional, national and international technical meetings

B. Chairman of Technical Symposia

Chair of Symposia “Active Capping of Contaminated Sediments,” International Battelle Conference on Contaminated Sediments, Jacksonville, FL, January 2008

Chair of Symposia “Contaminated Sediment Capping”, International Battelle Conference on Contaminated Sediments, Savannah, GA February 2007

Chair of Symposia “Fate and Transport of Contaminants”, Annual Meeting of the AIChE, San Francisco, CA, November 2006

Chair of Symposia “Site Assessment and Remediation” and “Managing Contaminated Sediments” , Annual Meeting of the AIChE, Cincinnati, OH, November 2005

Chair of Symposium “Environmental Transport and Fate of Chemicals,” Annual Meeting of the AIChE, Austin, TX, November 2004

Chair of Symposium “Chemodynamics”, Annual Meeting of the AIChE, San Francisco, CA November, 2003.

Chair of Symposium “Environmental Transport Processes- Experiments and Modeling”, Annual Meeting of the AIChE, Indianapolis, IN, November, 2002.

Chair of Symposium “Evaluation of Multimedia and Transport Processes,” Annual Meeting of the AIChE, Los Angeles, CA, November 2000

Chair of Symposium “Bioavailability of Organic Contaminants in Sediments,” National Meeting of the Society for Environmental Toxicology and Chemistry, Philadelphia, PA, November, 1999

Chair of Symposium “Environmental Issues on the Gulf Coast”, National meeting of the American Chemical Society, New Orleans, LA, August 1999.

Chair of Symposium “Exposure, Risk Assessment and Risk Management”, Annual Meeting of the AIChE, Miami, FL, November 1998 and Annual Meeting, Dallas, Tx, November 1999.

Chair of Symposium “Managing Contaminated Sediments- What are the Options”, National meeting of the American Institute of Chemical Engineers, New Orleans, LA February, 1998

Chair of Session on Environmental Engineering, CHEMECA '94, Perth, Australia, September, 1994

Second Vice-Chair, First Vice-Chair, Chair and Past Chair of the Executive Board of the National Programming Committee of AIChE

Meeting Program Chairman, San Diego AIChE Summer National Meeting, August, 1990. The most successful AIChE Summer Meeting ever with more than 2700 people attending a technical program of 100

sessions focused on the environment, energy and safety.

Chairman of symposium on Remediation of Contaminated Sediments, AIChE National Meeting, August, 1992, Minneapolis, MN.

Vice-Chairman of symposium on Soils and Sediments, AIChE Annual Meeting, November, 1989, San Francisco, CA

Chairman of symposium on Non-Aqueous Phase Liquids in Soils, AIChE Spring National Meeting, April, 1989, Houston, TX.

Chairman of symposium on Chemical Engineering Fundamentals Applied to the Environment, AIChE Spring National Meeting March 1986, New Orleans, LA.

Chairman of symposium on Chemical Engineering Fundamentals Applied to the Environment, AIChE Summer National Meeting, August 1986, Boston, MA.

Chairman of symposium on Liquid Phase Oxidation of Wastewaters, AIChE Summer National Meeting, August, 1986, Boston, MA.

V. OTHER SCHOLARLY OR CREATIVE ACTIVITIES

A. Consulting (latest projects listed first)

Consulting for Zidell Marine Services on remediation of Willametter River, Portland Or

Expert witness for EDC spill Conoco Refinery, Lake Charles, LA

Consulting for Norwegian government on remediation of mercury containing U-864

Consulting for Geosyntec on Berry Creek remediation, Meadowlands, NJ

Consulting for Floyd-Snider and City of Seattle on Gas Works Site remediation, Seattle, WA

Consulting for Heller Erhlman on Hudson River remediation, Fort Edwards, NY

Consulting for Georgia Pacific on Fox River remediation, Green Bay, WI

Consulting for Dow Chemical Company on Titabawasee River Remediation, Midland, MI

Expert Witness for Chemical Plant Fire in Lake Charles, LA

Consulting for Geodesign on Ross Island monitoring, Portland, OR

Expert Witness for gasoline spill and fire, Shreveport, LA

Expert Witness for Dioxin transport and fate in the atmosphere, Delisle, MS

Consulting for Environment Canada on remediation at Sydney Tar Ponds, Canada

Consulting for EPA Sediment Resource Center on remediation of Silver Lake, MA

Consulting on remediation of Alcan Scow Site, British Columbia, Canada

Consulting on remediation of Hastings Site, Hudson River, NJ

Consulting on remediation of Jersey City Chromium contaminated site, NY

Peer review for EPA on Grasse River capping demonstration ice scour, NY

Consultant on remediation of Onondaga Lake, Syracuse NY

Consultant on capping contaminated sediments in the Thea Foss Waterway, Tacoma, WA

Expert witness on phenol fire release and exposures, Plaquemine, LA

Expert witness on exposures associated with gasoline releases after a pipeline break in Texas and due to a leaking underground storage tank in Monroe, LA

Expert witness on acid gas release and exposures, San Gabriel, LA

Consultant and expert witness on trimethylamine chemical release in San Gabriel, LA

Consultant and member of expert panel on remediation of the Lower Fox River- Appleton Paper, WI

Consultant on contaminated sediment remediation - Citgo/Occidental Corporations, Lake Charles, LA

Consultant and expert witness on exposure and impact of contaminant migration from Bayou Sorrel landfill

Consultant and expert witness on ammonia releases from chemical facilities in San Gabriel, Louisiana

Consultant and expert witness on emergency release of allyl chloride from a chemical facility in Pearl River, Louisiana

Consultant on capping of Pine Street Canal sediments, Burlington, VT

Expert witness on grain dust dispersion around a grain elevator, Louisiana

Review Panel, Feasibility Study for National Resource Damage Assessment, Fox River, WI

Peer reviewer for EPA Technical Services Center

Expert witness on dispersion of combustion products from rail tank car fire, New Orleans, LA

Peer reviewer for sediment remediation project at Grasse River, NY

Consultant on regulation of oilfield wastes, LA Department of Natural Resources

Consultant on soil contamination by aviation fuels, Macot (Sydney,Aust) Airport

Expert consultant on environmental exposures, Novartis, Corp.

Expert witness on stack dispersion of sulfur dioxide and hydrogen sulfide, Chalmette, LA

Expert witness on sulfuric acid fume emissions and downwind dispersion, Norco, LA

Consultant on assessment of soil contaminated with gasoline, Cooma, NSW, Tweed Heads, NSW, and Trial Bay, NSW, Shell Australia and CALTEX

Consultant on off-site migration of oil-field waste contaminants, Cambell Wells, Inc.

Expert witness on resident's exposure to refinery explosions and fires, Chalmette, LA

Consultant on dispersion of carbon monoxide at exits of roadway tunnel in Sydney, NSW, GHD Pty Ltd.

Consultant on assessment of contaminated sediments in Homebush Bay, Sydney, Australia, CH2M-Hill

Consultant on atmospheric dispersion of styrene for Australian Defense Industries

Consultant on sediment contamination in Sydney Harbor, CH2M-Hill.

Consultant on estimating equilibrium properties of environmental pollutant mixtures for Anderson-Nichols, Co.

Consultant on gasoline movement from leaking underground storage tanks for Camp, Dresser and McKee, Inc., PEI and the EPA.

Panel reviewer of EPA programs on leaking underground storage tanks and screening models for oily wastes applied to landfills.

Consultant on regional water quality problems for the Geismar Plant Managers Group and area citizens' groups

Consultant on groundwater remediation plans for BASF Corporation

Consultant and expert witness on groundwater contamination for Sundstrand Corporation and for potentially responsible parties for wastes sites; Combustion, Inc., and Cleve Reber sites, LA and Columbia, MS site.

Consultant on oily wastes in surface waters for Aqua-Terra Corp. and the EPA.

Consultant on oily discharges from landfills for Aqua-Terra, Inc. and the US Environmental Protection Agency.

Consultant and peer reviewer on in-situ vacuum extraction of mixed wastes at Idaho National Engineering Laboratory for the Department of Energy and their contractor EG&G

Consultant on soil fumigants for the Chemical Manufacturer's Assoc. and the Methyl Bromide Global Coalition

B. Short Courses

Contaminated Sediments: What are the options and how do we select them?
September 2007 Portland OR
October 2007 Atlanta GA

Remediation of Contaminated Sediments
EPA Region 1, August 2005, Boston MA
EPA Region 2, October 2005, New York, NY
EPA Region 5, November 2005, Chicago, IL

Contaminated Sediments, October 15, 2000, 16th Annual International Conference on Contaminated Soils, Sediments and Water, Amherst, MA

Bioavailability - How Clean is Clean, October 9, 1999, Water Environment Federation WEFTEC

Workshop, New Orleans, LA

Chemical Dynamics and Site Assessment, February 7-10, 1995, Hong Kong Polytechnic University, Hong Kong

Chemical Dynamics in the Environment, December 5-9, 1994, Hotel Konrad, Broadbeach, Queensland, Australia.

Chemodynamics, December 6-7, 1982, LSU (with Dr. T. Marrero, U of Missouri, and Dr. L. Thibodeaux, U of Arkansas)

Hazardous Waste- Movement of Chemicals in Air, Water and Soil, June 11-12, 1985 and March 18-19, 1986, LSU (with Dr. T. Marrero, U of Missouri and Dr. L. Thibodeaux, LSU)

Transport and Fate of Chemicals in the Environment, AIChE Continuing Education Course, Taught 1-2 times per year (with L. Thibodeaux and J. Clarke)

C. Other Professional Activities

Faculty Advisor, LSU student chapter of AIChE (1984-1987)

Faculty Advisor and Founder, LSU student chapter of Omega Chi Epsilon

President, LSU Zenith Users Group (1984-1989)

Reviews of papers for, Nature, AIChE Journal, Chemical Engineering Communications, Chemical Engineering Journal, Chemosphere, Journal of Environmental Quality, International Journal of Soil and Sediments, Journal of the Air and Waste Management Association, Journal of Environmental Engineering, Journal of Environmental Forensics, Journal of Hydraulic Engineering, Journal of Hazardous Materials, Journal of Nanoparticle Research, Boundary Layer Meteorology, the Soil Science Journal of America, American Chemical Society, Environmental Science and Technology, Water Research, Water Resources Research, Water Science and Technology, Heat Transfer Engineering, International Journal of Heat and Mass Transfer and the American Society of Mechanical Engineers, books for the AIChE Journal and Waste Management, reports for the U.S. Department of Interior and the US Environmental Protection Agency and proposals to the Civilian Research and Development Foundation, Environmental Protection Agency, National Science Foundation, Strategic Environmental Research and Development Program, Canadian Foundation for Innovation, Hudson River Foundation, New Mexico Water Resources Institute, West Virginia EPSCoR and the LSU Center for Energy Studies.

VI. INVITED LECTURES

Passive Sampling for the Assessment of Mobility and Availability of Contaminants”
Missouri University of Science and Technology, September 2008

“Availability and Mobility of Contaminants in Sediments”
University of Minnesota, Minneapolis, MN, November 2007
Utrecht University, Utrecht, Netherlands October 2007
Johns Hopkins University, Baltimore, MD, October 2007

“Managing Sediment Contaminants”, Southwest Research Institute, San Antonio, TX, April 2007

“Availability and Mobility of Contaminants in Sediments”, University of Texas San Antonio, March 2007

“Defining the Availability of Contaminants in Sediments”, University of Texas Marine Science Institute, Port

Aransas, TX, 12/ 2006

“Passive Sampling for the Assessment of Bioavailability in Sediments”, Partners in Environmental Technology Forum, Washington DC 12/2006

“Contaminated Sediment Management”, Texas A&M Kingsville, 11/2006

“Engineering and Policy Lessons Learned from Hurricane Katrina,”
University of Sydney, AUS 10/2006
University of New South Wales, Sydney, AUS 10/2006

“Defining the Availability of Contaminants in Sediments”, Nankai, University, Tianjin, China, 9/2006

“Managing Contaminated Sediments”, Tianjin University, Tianjin, China, 9/2006

“Bioavailability and bioaccumulation of PAHs in sediments“
Texas Tech University, 2/2006
Arizona State University, 2/2006

“Defining the availability of contaminants in sediments”, University of Buffalo, 11/2005

“Bioaccumulation and bioavailability of contaminants in sediments”, Jackson School of GeoSciences, October 2005

“Managing Risks from Contaminated Sediments”, University of Guadalajara,Guadlajara, Mexico January 2005

“Benthic Organisms and Contaminant Flux, Uptake and Availability” American Society of Limnology and Oceanography, Honolulu, Hawaii, February, 2004

“Bioavailability of Contaminants in Sediments”, Rice University, March 2004

“Contaminated Sediments: Are We Managing?”, University of Texas, Austin, January 2004

“Contaminated Sediments: The Role of Sequestration and Availability in Defining Risk”, University of Texas, Austin, December 2003

“Sequestration and Bioavailability of PAHs in Sediments”,
3/03 - University of South Carolina
12/02 - University of Texas at El Paso
11/02 - University of Michigan
10/02 - Mississippi State University

“Bioavailability and biodegradation of PAHs by benthic organisms” 10th International Biotechnology and Bioremediation Symposium, July 2002, Prague, Czech Republic

“Where do we go from here?” University of Arkansas, April 2002.

“Sequestration and Bioavailability of PAHs in Sediments,” American Geophysical Union Annual Meeting, San Francisco, CA, December 2000

“Sequestration and Bioavailability of PAHs in Sediments,” Hanyang University, Seoul, Korea, November 2000

“Trends in Industrial Waste Mangement in the United States,” Invited Lecture, Korean Solid Waste Engineering Society, Taegu, Korea, November 2000

“Management of Oil and Gas Exploration and Production Waste,” Kyongii University, Seoul, Korea, Anyang

University, Anyang, Korea and Korean Solid Waste Engineering Society, Taegu, Korea, November 2000

“Contaminated Sediment Management - Still an Oxymoron”, Korean Environment Institute, Seoul, Korea, November 2000

“Sequestration and Bioavailability of PAHs in Sediments,” Society of Environmental Toxicology and Chemistry, Nashville, TN, November 2000

“Natural Processes in Sediments” 16th Annual International Conference on Contaminated Soils, Sediments, and Water, Amherst, MA, October 16, 2000

“Contaminated Sediment Management - Still an Oxymoron”, National Hazardous Substance Research Centers Conference, Asilomar, CA, July 2000

“Sequestration and Bioavailability of PAH Contaminants in Sediments”, California Institute of Technology, Pasadena, CA, March, 2000

“Managing Contaminated Sediments”, Kansas State University, Manhattan, KS, February 1999

“Assessing Exposure in the Coastal Environment,” Michigan State University, September, 1997

“Exposure Assessment in the Coastal Environment,” Tulane University, March, 1997

“Biological Processes in Sediments”, 5th International Conference on Energy and the Environment, Cairo, Egypt, June 1996

“Contaminant Transport in Sediments -Are Biological Processes Important?” University of Arkansas, January, 1996

“The Influence of Biological Processes on Contaminant Transport in Sediments”, Plenary Lecture, 4th Environmental Conference, Darwin, Australia, July 1995.

“A New Framework for Environmental Engineering” graduation speech, Faculty of Engineering, University of Sydney, March, 1995

“War and the Environment”, joint meeting of the Institute of Engineers, Australia and the Institution of Chemical Engineers, Sydney, February, 1995

"Organic Contaminant Migration from Freshwater Sediments", University of Sydney, Department of Chemistry, October, 1994

"Perspective on Remediation of Contaminated Sites," Australian Institute of Petroleum, Sydney, Australia, October, 1994.

"Flow and Transport in the Sea Breeze", University of Western Australia, September, 1994

"Colloid Influences on Organic Contaminant Transport in Porous Media," Soil Science Society, Sydney, Australia, September, 1994

"Fate of Methyl Bromide after Soil Fumigation," University of Sydney, Department of Agricultural Chemistry, August, 1994

"Environmental Engineering Education- Aid or Hindrance", Environmental Branch of the Institute of Engineers, Australia, November, 1993

"Contaminant migration in the coastal environment", University of New South Wales, Monash University,

University of Melbourne and Queensland University, 1993

"Contaminant transport and fate processes in coastal regions", University of Sydney, Sydney, Australia, August, 1992

"Migration and Fate of Nonaqueous Phase Liquids in the Subsurface," Cambridge University, Heriot-Watt University and the University of Exeter, UK, March-May, 1991

"Contaminant Transport in River and Estuarine Sediments," Swansea University, UK, February, 1991

"Current Environmental Contaminant Fate and Transport Research", Lecture series Institute for Experimental Meteorology, Obninsk, USSR, October 8-22, 1988

"The State of the Student, or Who are These Students Anyway", Union Carbide University Representatives, New Orleans, LA, September 23, 1988

"Subsurface Contamination by Multiphase Processes: Research and Policy Implications for the EPA", AAAS Environmental Science and Engineering Fellow Seminar, EPA, Washington, D.C., August 1987

"Multiphase Flow and Ground-Water Contamination", USGS, Reston, VA, July 1987

"Contaminant Transport in Soils and Sediment", Shell Development Corporation, Houston, TX, March, 1987

"The Boundary Element Method and Applications to Environmental Transport", Rice University, November, 1986 and the University of Florida, Gainesville, FL, February, 1987

"Modeling Convective Transport in River Sediments," University of Houston, Houston, Texas, February, 1986

"Characterization of the Transport and Dispersion of Pollutants from a Coal-Fired Power Plant in Louisiana", Southern University, Baton Rouge, Louisiana, April 1985

VII. THESES/DISSERTATIONS DIRECTED

Dissertations Completed under the Direction of Danny Reible

1. Chai, Youn Zhou, "Thermodynamic and Kinetic Studies on the Sorption and Desorption of Hydrophobic Organic Contaminants in Sediments, PhD in Chemical Engineering, Louisiana State University, June 2005, EMPLOYMENT: Dow Chemical Company, Midland, MI
2. Lu, Xia Xiao, "Bioavailability of Desorption Resistant Fraction of PAHs to Deposit Feeding Tubificid Oligochaetes", PhD in Chemical Engineering, Louisiana State University, December 2003, EMPLOYMENT: Research Associate, University of Texas
3. Choy, Bruce, "Volatile Emissions of Organic Contaminants from Soils and Sediments," PhD in Chemical Engineering, University of Sydney, October 1999, EMPLOYMENT: Commonwealth Bank, Sydney Australia
4. deSeze, Guilhelm, "Sediment-Air Partitioning of Hydrophobic Organic Chemicals," PhD in Chemical Engineering, Louisiana State University, May, 1999, (With K.T. Valsaraj) EMPLOYMENT: Research Engineer, Procter and Gamble, Belgium
5. Cheah, Elaine Poh Sim, "Distribution and Remediation of Organic Contaminants in Soil", PhD in Chemical Engineering, University of Sydney, April, 1999, EMPLOYMENT: Environmental Engineer, Sydney, Australia

6. Thoma, Greg, "Studies in the Diffusive Transport of Hydrophobic Organic Chemicals in Bed Sediments", Ph.D. in Chemical Engineering, Louisiana State University, May, 1994 (with LJ Thibodeaux).
EMPLOYMENT: Professor of Chemical Engineering, University of Arkansas
7. Doshi, Dharmesh Vinaychandra, "Modeling Vertical Migration of Non-Aqueous Phase Liquid Wastes in Unsaturated Soils", Ph.D. in Chemical Engineering, Louisiana State University, May, 1994.,
EMPLOYMENT: Environmental Manager, India
8. Koo, Youn-Seo, "Pollutant Transport in Buoyancy Driven Atmospheric Flows", Ph.D. in Chemical Engineering, Louisiana State University, December, 1993. EMPLOYMENT: Professor of Environmental Engineering, Anyang University
9. Lo, Yu-Wen, "Three Dimensional Modeling of Reaction Injection Molding", Ph.D. in Chemical Engineering, Louisiana State University, December, 1991. (With John Collier) EMPLOYMENT: Unknown
10. Rhee, Seung-Whee, "Modeling the Effect of Shale Heterogeneities on Hazardous Waste Transport in Deep Well Disposal Systems", Ph.D. in Chemical Engineering, Louisiana State University, December, 1991.
EMPLOYMENT: Professor of Environmental Engineering, Kyongii University
11. King, John A., "Natural Convection Above Heated Inclined Surfaces", Ph.D. in Chemical Engineering, Louisiana State University, December, 1989. EMPLOYMENT: Shell Refining Co., Laplace, LA
12. Savant-Malhiet, S. Anne, "Modelling of Passive Contaminant Transport in River Sediments", Ph.D. in Chemical Engineering, Louisiana State University, December, 1988. EMPLOYMENT: Process engineer, Dow Chemical Co. Baton Rouge, LA

MS Theses Completed under the Direction of Danny Reible

1. Jasmine Dufreche, "Evaluation of Organoclay As an Active Capping Amendment for Control of Dissolved PAH Contamination" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 EMPLOYMENT: University of Louisiana-Lafayette (Lecturer)
2. Casey Forrest "Evaluation of Biopolymer Coated Sands As Capping Materials" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 EMPLOYMENT: Consulting, New Zealand
3. Lisa Moretti "Evaluation of Capping NAPL-Contaminated Sediments" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 EMPLOYMENT: ERM, Austin, TX
4. William Sarchet "Effects of a Thin Layer Sand Cap on Bioavailability And Bioaccumulation in Sediments" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 EMPLOYMENT: Consulting, Austin, TX
5. Skwarski, Alison "Demonstration and Evaluation of Solid-Phase Microextraction for Assessment of Contaminant Mobility and Bioavailability" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 EMPLOYMENT: Arcadis, Ann Arbor, MI
6. Drake, Brian, "Bioavailability and Trophic Transfer of PAHs and PCBs," MS in Environmental and Water Resources Engineering, University of Texas, May 2007 EMPLOYMENT: CH2M-Hill Idaho

7. Steward, Kimberly "Development of Apparatus and Method for Consolidating Very Soft, Contaminated Sediments," MS Civil Engineering, University of Texas, May 2007, EMPLOYMENT: Exxon, Houston, TX (with Bob Gilbert)
8. Moderow, Shawn "Zero-valent Iron's Effectiveness at Dehalogenating Chlorobenzenes and its Feasibility as a Reactive Cap," MS Environmental and Water Resources, University of Texas, December 2006 EMPLOYMENT: Environeering, Inc., Houston, TX
9. Smith, Tony, "Effects of Bioturbation on the Bacterial Community in Contaminated Sediment", M.S. in Civil Engineering, Te University of Texas at Austin, August, 2006 EMPLOYMENT: PhD student, University of Texas (with Mary Jo Kiristis)
10. Khanam, Aiahsa, "Assess Feasibility of Organoclay to retain NAPL (Non Aqueous Phase Liquid) in sediment beneath a cap" M.S. in Civil Engineering, The University of Texas at Austin, June 2006 EMPLOYMENT: BBL, Inc, Portland, OR
11. Nabatilan, Marilou, "Enhanced Degradation Of Phenanthrene And Benzo(A)Pyrene In A Field-Contaminated Sediment Inhabited By Ilyodrilus Templetoni: A Microcosm Study" M.S. in Chemical Engineering, Louisiana State University, December 2005, EMPLOYMENT: PhD candidate in Civil Engineering at LSU.
12. Marquette, Andre, "Modeling Of Chemical Fate And Transport In The Environment", M.S. in Chemical Engineering, Louisiana State University, August 2005, EMPLOYMENT: ERM Corporation, New Orleans, LA
13. Harris, Melanie, "Evaluation of In-Situ Capping of a Refinery Sludges", M.S. in Chemical Engineering, Louisiana State University, August 2005, EMPLOYMENT: Unknown
14. Roberts, Keegan, Modeling of River Hydrodynamics and Active Cap Effectiveness in the Anacostia River", M.S. in Civil Engineering, Louisiana State University, August 2004, EMPLOYMENT: PhD in Civil Engineering, LSU.
15. Bhimasen, Narayan, "Micro-Visualization of Colloidal Gas Aphrons Interaction with Oil", M.S. in Chemical Engineering, Louisiana State University, August 2000, EMPLOYMENT: Equilon Corporation
16. Fu, Xiao, "Evaluation of a Model of Capping of Contaminated Sediments", M.S. in Chemical Engineering, Louisiana State University, December, 1998, EMPLOYMENT: Chemical Engineer in China
17. Mohanty, Sanat, "Modeling Bioturbation at the sediment-water interface", M.S. in Chemical Engineering, Louisiana State University, May, 1997., EMPLOYMENT: 3M Corporation (after completion of PhD at University of Minnesota)
18. Shephard, Antwane, "Fate of Pyrene during Oligochaete Bioturbation", M.S. in Chemical Engineering, Louisiana State University, August, 1997. EMPLOYMENT: Unknown
19. Deng, Fei, "The Mobility of Pyrene in Oil and Grease Contaminated Sediments", M.S. in Chemical Engineering, Louisiana State University, May, 1997. EMPLOYMENT: WITCO, Brooklyn, NY
20. Chia, Stuart, "Biological Degradation Studies of PAH Compounds in Water Treatment Plant Solids at

- Clyde Refinery”, M.E.S. (Environmental), University of Sydney, October, 1996.
EMPLOYMENT: Halliburton, Sydney, Australia
21. Hunter, Farley, “Fenton’s Treatment of 1,2,3-Trichloropropane: Chemical Reaction Byproducts, Pathway and Kinetics”, M.S. in Chemical Engineering, Louisiana State University, May, 1996.
EMPLOYMENT: Novartis Corp., New Jersey
 22. Choi, Ji Woong, “Laboratory Simulation of the Sea Breeze”, M.E.S. (Environmental), University of Sydney, March, 1996. EMPLOYMENT: Unknown- returned to Korea
 23. Doroja, Dorinda S. , “Influence of colloidal matter on the seepage rates of hydrophobic contaminants through porous media”, M.S. in Chemical Engineering, Louisiana State University, August, 1995.
EMPLOYMENT: Shell Chemical Co., South Carolina
 24. Sojitra, Ishvar, "Transport of Organic Colloids from Contaminated Sediment Beds”, M.S. in Chemical Engineering, Louisiana State University, December, 1994. (With KT Valsaraj) EMPLOYMENT: Union Carbide, Taft, LA
 25. Bolling, Trent, “Form and Distribution of Residual Nonaqueous Phase Liquids in Porous Media”, M.S. in Chemical Engineering, Louisiana State University, December, 1994. EMPLOYMENT: Shell Chemical Co, South Carolina
 26. Swift, Brian, "Bottom Heating Frontolysis of Gravity Currents in Water”, M.S. in Chemical Engineering, Louisiana State University, December 1994. EMPLOYMENT: University of Indiana Branch Campus, Indiana
 27. Smith, James Lee, “ An Experimental Study of the Transport and Fate of a NAPL in a Heterogeneous Soil and Removal by Vacuum Extraction”, M.S. in Chemical Engineering, Louisiana State University, May, 1994. EMPLOYMENT: URS, Houston, Tx
 28. Corripio, Bernardo Miguel, "Laboratory Simulation of the Sea Breeze for Dispersion Modeling", M.S. in Chemical Engineering, Louisiana State University, May 1993. EMPLOYMENT: Dow Chemical Co., Plaquemine, LA
 29. Dikshit, Mandar M., "Modeling and Experimentation in Bioturbation", M.S. in Chemical Engineering, Louisiana State University, August, 1993. EMPLOYMENT: Private Consulting
 30. Sahay, Nishit, “Mold Filling Studies in Reaction Injection Molding Process”, M.S. in Chemical Engineering, Louisiana State University, December, 1992. EMPLOYMENT: ABB Lummus, Houston
 31. Mahliet, Mark Eric, "Validation of a Simplified Transport Model for Non Aqueous Contaminant Infiltration in the Unsaturated Zone", M.S. in Chemical Engineering, Louisiana State University, December, 1989.
EMPLOYMENT: BASF, New Jersey
 32. Perrett, Fred Jack, "Computer Simulation of Flow, Reaction and Heat Transfer in Reaction Injection Molding", M.S. in Chemical Engineering, Louisiana State University, August, 1988.
EMPLOYMENT: Mississippi Chemical Co., Yazoo City, MS
 33. Chitgopekar, Nitin, "Modeling Short Range Air Dispersion from Area Sources of Non-Buoyant Toxics",

M.S. in Chemical Engineering, Louisiana State University, December, 1988. EMPLOYMENT: Stone and Webster, Houston

34. Ayoub, Ibrahim F., "Study of Transport and Entrapment of Concentrated Organics In Soils", M.S. in Civil Engineering, Louisiana State University, May, 1987. EMPLOYMENT: Unknown
35. Doshi, Dharmesh Vinaychandra, "Modeling Vertical Migration of Non-Aqueous Phase Liquid Wastes in Unsaturated Soils", M.S. in Chemical Engineering, Louisiana State University, May , 1987. EMPLOYMENT: Environmental Manager, India
36. Garg, Kul Bhushan, "Characterization of Transport and Dispersion of Air Pollutants from a Coal-Fired Power Plant", M.S. in Engineering Science, Louisiana State University, May, 1986. EMPLOYMENT:US Air Force, Huntsville, AL
37. Marsden, Jr., Arnold Riley, "Development of Approximate Chemical Submodels for Use in Photochemical Air Pollution Modeling", M.S. in Chemical Engineering, Louisiana State University, December, 1985. EMPLOYMENT: Shell Oil Co., Houston