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Louisiana State University

Baton Rouge, LA 70803-

Journal Articles (peer-reviewed)

1. Rutherford, J., J. Day, C. D'Elia, A. Wiegman, C.S. Willson, R. Caffey, G. Shaffer, R. Lane, and D. Batker, 2018, Evaluating trade-offs of a large, infrequent sediment diversion for restoration of a forested wetland in the Mississippi delta, in press to *Estuarine, Coastal and Shelf Science*.
2. Richards, D., K. Konsoer, C. Turnipseed, and C.S. Willson, 2018, Characterizing three-dimensional flow through neck cutoffs with complex planform geometry, in press *Sedimentology*.
3. Sanematsu, P., K.E. Thompson and C.S. Willson, 2018, Pore-scale modeling of nanoparticle transport and retention in real porous materials, accepted (pending revisions) to *Computers & Geosciences*.

4. Bhattad, P., Willson, C.S., and K.E. Thompson, 2010, Segmentation of low-contrast three-phase X-Ray Computed Tomography images of porous media, Proceedings of the GeoX 2010: 3rd International Workshop on X-ray CT for Geomaterials in New Orleans, LA, March 1-3, 2010, edited by K. Alshibli and A.H. Reed, pp. 254-261.
5. Abu-Salem, Z. and C.S. Willson, 2008, Experimental Investigation of Drainage in Fractionally-wet Sands in mm- and cm-scale Columns, Characterization, Monitoring and Modeling of GeoSystems, Proceedings of Selected Sessions of the GeoCongress 2008: The Challenge of Sustainability in the Geoenvironment, GSP NO. 179, edited by Alshawabley, Reddy and Khire, 292-299.
6. Ham, K., H.A. Barnett, T. Ogunbakin, D.G. Homberger, H.H. Bragulla, K.L. Matthews II, C.S. Willson and L. G. Butler, 2006, Imaging tissue structures: assessment of absorption and phase-contrast x-ray tomography imaging at 2nd and 3rd generation

16. Willson, C.S., The Use of Synchrotron Radiation in Environmental Science and Engineering: X-Ray Microtomography and X-Ray Absorption Spectroscopy, Proceedings of the 2002 Association of Environmental Engineering and Science Professors Meeting, August 9-11, 2002, Toronto, CA.
17. Willson, C.S. and S.A. Capps, 2002, Modeling of a Mississippi River Diversion in Maurepas Swamp, Proceedings of the 2002 American Water Resources Association Spring Specialty Conference, Coastal Water Resources, May 13-15, 2002, New Orleans, LA, pp 189-194.
18. Willson, C.S. and R.I. Al-Raoush, 2001, The use of synchrotron microtomography for three-dimensional statistical characterization of non-aqueous phase liquids (NAPL) in porous media systems, presented at the 2001 International Symposium on Environmental Hydraulics, Tempe, AZ, December 5-8, 2001.
19. Crannell, B.S., T.T. Eighmy, L. Butler, F.K. Cartledge, E. Emery, C.S. Willson, D.D. Reible, and M. Yin, 2001 Reactive Barriers for Containment of Metals-Contaminated Dredged Materials: Diffusion Studies, Proceedings of the Beneficial Use of Recycled Materials in Transportation Applications Conference, Arlington, VA, November 13-15-2001
20. Illangasekare, T.I., S. Saenton, T. Saba, and C.S. Willson, 2000, Up-scaling of NAPL Dissolution from Entrapped Sources: Implications on End-points for Risk Assessment, presented at the 2000 Contaminated Site Remediation Conference, Melbourne, 4-8 December, 2000.
21. Simpson, M.M., C.S. Willson, J.W. Weaver, and R.J. Charbeneau, 1997, Experimental Investigation of LNAPL Flow in the Vadose Zone: Comparison with the Hydrocarbon Spill Screening Model, 1997 Petroleum Hydrocarbons and Organic Chemi8.

6. Kemp, G.P., D.J. Reed, H. Mashriqui, W. McAnnally, E. Reyes, C. Sasser, J. Suhayda, J. Visser, J. Wells, and C. S. Willson, 2004, Task 13 Predicting Land Building in the Mississippi Delta Plain: Knowledge and Uncertainty, Coastal Louisiana Ecosystem Assessment and Restoration (CLEAR) Project.
7. Alam, S., C. Soileau, and C.S. Willson, 2004, Report on Feasibility of Small Scale Physical Model of the Lower Mississippi River Delta for Testing Water and Sediment Diversion Projects, Final Report, LA Department of Natural Resources.
8. Hanson, B. C. Willson, R. Milner, D. Carlson, A. Rahman, and S. Hartano, 2003. Annual Report, Evaluation of Aquifer Capacity to Sustain Short-, Long-Term Ground Water Withdrawal From Point Sources in the Chicot Aquifer for Southwest Louisiana. Submitted to Water Resources Division, Louisiana Department of Transportation and Development, June 2003.
9. Willson, C.S., Synchrotron Microtomography, Chapter in the 2002 CAMD Summer Workshop Handbook, Applications of Synchrotron Radiation in Environmental Sciences.
10. Hanson, B., R. Milner, A. Rahman, C. Willson, and R. Paulsell, 2001. Evaluation of Aquifer Capacity to Sustain Long Term Ground Water Withdrawal from Point Sources: A Pilot Study, Final Report submitted to the Louisiana Department of Natural Resources.
11. Crannell, B.S., T.T. Eighmy, L. Butler, F.K. Cartledge, E. Emery, C.S. Willson, D.D. Reible, and M. Yin, 2001, Phosphate-Based Heavy Metal Stabilization and Reactive Barrier Technologies for Contaminated Sediments and Dredged Materials. Final Report submitted to the NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET) October 31, 2001, 177 pp.
12. Willson, C.S. and C.E. Kees, 2001, An Investigation of Three-Phase Flow, Center for the Advanced Study of the Environment News, Winter 2001.
13. Hall, J.L., P.T. Imhoff, C.S. Willson, and C.T. Miller, 1997, Surfactant-enhanced mobilization of dense nonaqueous phase liquids in groundwater remediation, Center for Multiphase Research News, 3(1), Fall/Winter 1997.

Presentations (international, national and local)

1. Richards, D., K.M. Konsoer, C. Turnipseed, and C.S. Willson, 2017, Characteristics of Helical Flow Through Neck Cutoffs, EP-41A-1824, presented at the 2017 Fall Meeting, AGU, New Orleans, LA, December 11-15, 2017.
2. Konsoer, K., D. Richards, C. Turnipseed, C.S. Willson, 2017, Dynamics of neck cutoff processes on meander bends with “complex” planform geometries, presented at the 00912 0 612 792 reW58 299.33 Tm0 g0lational and local)

22. Willson, C.S., R. Simoneaux, G. Agegnehu, and B. Hartman, 2014, What to Expect from the New and Expanded Small Scale Physical Model of the Lower Mississippi River, presented at the ASCE Louisiana Section 2014 Annual Spring Conference, Lafayette, LA, 24-25 April.
23. Willson, C.S., R. Simoneaux, G. Agegnehu and B. Hartman, 2014, The Expanded Small Scale Physical Model of the Lower Mississippi River, presented at the Eighth Annual Louisiana Groundwater and Water Resources Symposia, Baton Rouge, LA, 18 April.
24. Willson, C.S., 2014, Changing

50. Nordenson, G., C. Seavitt, Architecture Research Office, LSU Coastal Sustainability Studio, and A. Fontenot, 2010, *Workshopping: An American Model of Architectural Practice*, US Pavilion at the 12th Venice Architecture Biennale. Venice, Italy, August 29-November 21, 2010.
51. Russo, E.J., C.S. Willson, and H.D. Smith, 2010, Incipient Motion Response Detection of Articulated Block Revetment under Wave Loading, Coastal, Shore and Estuarine Structures Subject Category, presented at the ICCE 2010 Conference held in Shanghai, China, June 30-July 5, 2010.
52. Zhao, H., Q. Chen, J. Pardue, and C.S. Willson, 2010, Simulation of Sediment Dynamics during Hurricane Katrina in Breton Sound, Louisiana, presented at the ICCE 2010 Conference to be held in Shanghai, China, June 30-July 5, 2010.
53. Radonjic, M., T. Yalcinkaya, and C.S. Willson, 2010, Conductivity of fractures in oil well cement upon contact with rock- formation waters and dissolved CO₂, presented at the Third International Conference on Porous Media and its Applications in Science, Engineering and Industry, June 20 - 25, 2010 Montecatini Terme, Italy
54. Willson, C.S., and S. Bradley, 2010, High-resolution X-ray tomography of fractionally-wet media: Drainage experiments, presented at the 2010 Goldschmidt Conference, *Geocheica et Cosmochimica Acta*, 74(12), Supplement 1, A1135-A1135

65. Willson, C.S., 2009, Water Flow and Transport in Fractionally-wet Systems, invited seminar at the Colorado School of Mines, May 26, 2009.
66. Willson, C.S. and N. Lu, Use of High-resolution X-ray Computed Tomography for Unsaturated Fine Granular Materials. *Eos Trans. AGU*, 90(22), Jt. Assem. Suppl., Abstract V74A-06.
67. Willson, C.S., "Large-scale River and Sediment Diversions in the Lower Mississippi River", invited seminar at Pennsylvania State University, Feb. 20, 2009.
68. Roberts, K.L., C.S. Willson, K.E. Thompson, W.M. Moe, 2008, Pore-scale Analysis of Equilibrium and Non-equilibrium DNAPL Mass Transfer, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract H33J-06.
69. Mason, J. and C.S. Willson, 2008, Incorporating Coastal Storm Processes in Southern Louisiana Parish FIRMS, presented at the 2008 AWRA Annual Water Resources Conference, November 17-20, 2008, New Orleans, LA
70. Karadogan, E., Berger, C. R., Brown, G. L., Willson, C. S. 2008, An Adaptive Hydrodynamic and Sediment Transport Model for Freshwater Diversions, presented at the 2008 AWRA Annual Water Resources Conference, November 17-20, 2008, New Orleans, LA
71. Braud, J. and C.S. Willson, 2008, Impact of Stream Network Detail on Automated Water Delineation and Hydrologic Process Modeling, presented at the 2008 AWRA Annual Water Resources Conference, November 17-20, 2008, New Orleans, LA.
72. Danchuk, S., C.S. Willson, 2008, Fate and Transport of Petroleum Hydrocarbons Released in the Lower Mississippi River, presented at the 2008 Clean Gulf Conference. October 28-30, 2008. San Antonio, TX
73. Willson, C.S., 2008, The Mississippi River: Its Role in Restoration Efforts and Potential Effects of Climate Change, presented at the 2008 Severe Storm Prediction and Global Climate Impact in the Gulf Coast Conference, Oct. 29-31, 2008, Rice University, Houston, TX.
74. Willson, C.S., Modeling in the Lower Mississippi River, invited seminar for the LSU School of the Coast and the Environment, Sept. 26, 2008, Baton Rouge, LA
75. Bhattad, P., K.E. Thompson and C.S. Willson, "Accurate calculation of fluid-fluid interfaces from x-ray tomography images," paper 269c presented at the AIChE Annual Meeting, Philadelphia, PA, Nov. 16-21, 2008.
76. Bhattad, P., K.E. Thompson and C.S. Willson, "Capturing transient interface vior in porous materials using 3D imaging techniques," paper 562c presented at the AIChE Annual Meeting, Philadelphia, PA, Nov. 16-21, 2008.
77. Lane, N., P. Bhattad, K.E. Thompson and C.S. Willson, "High-resolution modeling of flow in packed and fi- ous materials from CT images," paper 748h presented at the

81. Reed, A.H., K.E. Thompson, and C.S. Willson, 2008, Quantifying Consolidation and Granular Interactions in Marine Sands From X-ray Microfocus Computed Tomography Images, presented at the 2008 ASLO Summer Meeting held in St. John's, Newfoundland & Labrador, June 8-13, 2008.
82. Willson, C.S., 2008, The Role of the Lower Mississippi River in Coastal Restoration, invited talk presented at the 2008 Coastal Engineering Workshop held in Baton Rouge, LA, May 29-30, 2008.
83. Danchuk, S., Willson, C.S., 2008, Numerical Modeling of Oil Spills in the Inland Waterways of the Lower Mississippi River Delta, presented at the 2008 International Oil Spill Conference held in Savannah, GA, May 4-8, 2008.
84. Lehmann, P., Willson, C.; Shokri, N., Stampanoni, M., Or, D., 2008, Synchrotron based X-ray imaging of thick liquid films controlling evaporation from porous media, EGU General Assembly, Vienna, Austria, 13 – 18 April 2008, Abstract EGU2008-A-0979314.
85. Braud, J., J.I. Mason, G. Cavell, R. Dokka, and C.S. Willson, 2008, Application of Accurate Vertical Controls to LiDAR DEMs and the Impact on Hydrologic Modeling in Flat Landscapes, presented at the 2008 Spring American Water Resources Association Spring Specialty Conference – GIS and Water Resources V, held in San Matteo, CA, March 17-19, 2008.
86. Willson, C.S., Impact of Fractional Wettability on Water Flow and Transport Processes, invited seminar for the University of Texas Petroleum and Geosystems Engineering Seminar Series

95. Rahman A., F. T-C. Tsai, C. D. White, D. A. Carlson, and C. S. Willson, Geophysical Data Integration and Conditional Uncertainty Analysis on Hydraulic Conductivity Estimation, presented at the 2006 World Environmental and Water Resources Congress held in Omaha, Nebraska, May 21-25, 2006, Omaha, Nebraska.
96. Willson, C.S., "Small-scale Physical Modeling of River and Sediment Diversions in the Lower Mississippi River Delta", presented at the Spring 2006 Louisiana Section ASCE Meeting, Baton Rouge, LA, March 30, 2006
97. Yuan, Q.Z., K.T. Valsaraj, C.S. Willson, D. D. Reible, "Sediment and contaminant release by gas ebullition", Poster presented at the SETAC annual meeting, Baltimore, Maryland, November 14-18, 2005.
98. Yuan, Q.Z., K.T. Valsaraj, C.S. Willson, D. D. Reible, "Sediment and contaminant release by gas ebullition", Poster presented at the AIChE National meeting, Cincinnati, OH, October 31- November 4, 2005.
99. Thompson, K.E., C.S. Willson, C.D. White, S. Nyman, J. Bhattacharya, and A.H. Reed, 2005, Application of a New Grain-Based Reconstruction Algorithm to Microtomography Images for Quantitative Characterization and Flow Modeling, 2005 SPE Annual Technical Conference and Exhibition held in Dallas, Texas, U.S.A., 9 – 12 October 2005.
100. Willson, C.S. and K. Ham, 2005, The Application of Monochromatic Energies to Investigate Multiphase Porous Media Systems using Synchrotron X-ray Tomography, presented at the 2005 ASCE Geo-Frontiers Conference, held January 24-26, 2005 Austin, TX.
101. Willson, C.S., K.E. Thompson, and K. Ham, 2004, High-resolution Imaging of Multiphase Porous Media: Impact of Pore-scale Geometry and Topology and Fractional Wettability, presented at the 2004 American Geophysical Union Fall Meeting, December 13-17, 2004, San Francisco, CA.
102. Thompson, K.E., C.S. Willson, and A.H. Reed, 2004, A Grain-Based Algorithm for Constructing Physically Representative Network Mappings of Porous Media, presented at the 2004 American Geophysical Union Fall Meeting, December 13-17, 2004, San Francisco, CA.
103. Yin, M., C.S. Willson, and D.D. Reible, 2004, Investigation of Heavy Metal Migration from Contaminated Sediment to Capping material using XRF, presented at the 2004 AIChE Annual Meeting, November 7-12, 2004, Austin, TX.
104. Willson, C.S., R.A. Stacey, K. Ham, and K.E. Thompson, 2004, Investigating the correlation of nonwetting phase liquids and pore scale geometry and topology using synchrotron X-ray tomography, presented at the 2004 SPIE 49th Annual Conference, held August 2 – 6, 2004, Denver, CO.
105. Ham, K., C.S. Willson, M.L. Rivers, R.L. Kurtz, and L.G. Butler, 2004, Algorithms for Three-Dimensional Chemical Analysis with Multi-Energy Tomographic Data, presented at the 2004 SPIE 49th Annual Conference, held August 2 – 6, 2004, Denver, CO.
106. Reed, A.H., K. Thompson, and C.S. Willson, Volumetric Imaging to Drainage Predictions for Model and Marine Sand, All in a Days Work, presented at the ASLO 2004 Summer Meeting, June 13-18, 2004, Savannah, GA.
107. Hartono, S., and C.S. Willson,

- presented at the 2003 American Geophysical Union Fall Meeting, December 8-12, 2003, San Francisco, CA.
109. A. Rahman, S. Hartono, and C.S. Willson, Regional and Local Scale Groundwater Modeling of the Chicot Aquifer System, presented at the 2003 GCAGS Meeting, Baton Rouge, LA, October 22-24, 2003.
 110. Li, L., C.S. Willson, and P.T. Imhoff, Evaluation of Air/Water Interfacial Area in Porous Media by Gas Tracer Tests and Synchrotron X-ray Tomographic Imaging, presented at the 2003 ASA-CSSA-SSSA Annual Meetings, Denver, Colorado, November 2-6, 2003
 111. Al-Raoush, R.I., Z. Abu-Salem, C.S. Willson, Characterization of Non-wetting Phase Fluids in Porous Media Systems Using High-resolution, Three-dimensional, Synchrotron X-ray Microtomography, presented at the 2003 American Chemical Society 225th ACS National Meeting, New Orleans, LA, March 23-27, 2003.
 112. Al-Raoush, R.I., K. Thompson, and C.S. Willson, The Impact of Network Structure on Pore-scale Simulation of Fluid Transport, presented at the 2002 American Geophysical Union Fall Meeting, December 6-10, 2002, San Francisco, CA.
 113. Reed, A.H., R.I. Al-Raoush, C.S. Willson, and J.E. Cable, Influence of Image Resolution on Pore Size Distributions and Permeability Predictions in Marine Sand, presented at the 2002 American Geophysical Union Fall Meeting, December 6-10, 2002, San Francisco, CA.
 114. Willson, C.S., The Use of Synchrotron Radiation in Environmental Science and Engineering: X-Ray Microtomography and X-Ray Absorption Spectroscopy, presented at the 2002 Association of Environmental Engineering and Science Professors Meeting, August 9-11, 2002, Toronto, CA.
 115. Reible, D.D., K. Roberts, C. Willson and W.D. Constant, "Field Demonstration of Active Caps for Containment and Treatment of Contaminated Sediments", presentation at the NSF Pan American Advanced Study Institute, Rio de Janeiro, Brazil, July 22 - August 3, 2002.
 116. Reed, A.H., Al-Raoush, R., Willson, C.S., and Cable, J.E., Comparative Differences of Pore Geometry from Planar and Volumetric Computer Tomography Images of Marine Sands, presented at the 2002 American Geophysical Union Spring Meeting, May 27-30, 2002, Washington D.C.
 117. Willson, C.S. and S.A. Capps, 2002, Modeling of a Mississippi River Diversion in Maurepas Swamp, to be presented at the 2002 American Water Resources Association Spring Specialty Conference, May 13-15, 2002, New Orleans, LA.
 118. Willson, C.S., Walking Through a Maze: The Use of Synchrotron Microtomography to Investigate Porous Media Systems, presented at the LSU Environmental Cooperative Seminar, May 6, 2002.
 119. Al-Raoush, R.I., Thompson, K.E., and C.S. Willson, 2001, Comparison of Approaches for Obtaining Pore Network Structures, presented at the 2001 American Geophysical Union Fall Meeting, December 10-14, 2001, San Francisco, CA.
 120. Rahman, A., R. Milner, B. Hanson, and C.S. Willson, 2001, Linking Local- and Aquifer-scale Groundwater Models Using Telescopic Mesh Refinement, presented at the 2001 American Geophysical Union Fall Meeting, December 10-14, 2001.
 121. Willson, C.S., 2001, Groundwater Issues in Louisiana, presented to the Baton Rouge Leadership Program, November 13, 2001.
 122. Willson, C.S., 2001, Groundwater Modeling of the Chicot Aquifer Underlying Acadia Parish, presented to the Baton Rouge Geological Society, November 8, 2001.

123. Capps, S.A., and C.S. Willson, 2001, Modeling of a Mississippi River Diversion into a Louisiana Wetland, to be presented at the 2001 Environmental State of the State VI Conference, October 26, 2001.
124. Willson, C.S., 2001, Groundwater Modeling of the Chicot Aquifer Underlying Acadia Parish, presented to the Capital Area Groundwater Conservation Commission Technical Meeting, September 11, 2001.
125. Hanson, B. and C. Willson, 2001, Chicot Aquifer Characterization - Parameter of Study, presented at the Orientation for the Louisiana Ground Water Management Commission and Advisory Task Force, August 6-7, 2001, Baton Rouge, LA.
126. Willson, C.S., 2001, The use of microtomography to investigate porous media systems, presented to the Geosystems Group, Naval Research Laboratory, July 12, 2001, Stennis, MS.
127. Al-Raoush, R.I., and C.S. Willson, 2001, Statistical characterization of three-dimensional porous media systems using synchrotron microtomography, presented at the 2001 American Geophysical Union Spring Meeting, H41C-04, May 29 - June 2, 2001.
128. Willson, C.S., R. Al-Raoush, 2000, The Use of Synchrotron Microtomography for Investigating Multiphase Porous Media Systems, presented at the 2000 Geological Society of America Annual Meeting, Reno, NV, November 9-18, 2000.
129. Willson, C.S., R. Al-Raoush, A. Rahman, 2000, Groundwater Research in Civil and Environmental Engineering, presented at the 2000 Environmental State of the State Conference, Baton Rouge, LA.
130. Willson, C. S., C. E. Kees, and C. T. Miller, 1998, Investigation of Three-Fluid-Phase Flow in Porous Media, *EOS Transactions*, 79(45) F368, Presented at the American Geophysical Union Fall Meeting, San Francisco, CA, December 6-10, 1998.
131. Willson, C.S., O. Pau, and C.T. Mil

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Louisiana Water Resources Research Institute - PI

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Denton Graham, MS candidate,
Ian Floyd, Ph.D. candidate, (USACE ERDC),

2016 Longwell Fund College of Engineering Instructor of Excellence Award
2015 James M. Todd Technological Medal, Louisiana Engineering Society
2012-2013 Association of Collegiate Schools of Architecture (ACSA)

Member, Leadership Team and Chair, Technical Team, Changing Course Design Competition (changingcourse.us), 2013-

Steering Committee, 2014 State of the Coast Conference, to be held in New Orleans, LA, March 2014.

Steering Committee, 2012 State of the Coast Conference, held in New Orleans, LA, June 2012.

Chair, Review Team, Mid-term Review of Autonomous Downward Trend in Eastern Scheldt Study, Rijkswaterstaat, Delft, Netherlands, June 21-23, 2011.

Member, Organizing Committee, GeoX 2010: 3rd International Workshop on X-ray CT for Geomaterials in New Orleans, LA, March 1-3, 2010.

Member, Awards Committee, Geo-Institute Geoenvironmental Engineering Committee, American Society of Civil Engineers, 2009

Board Member, Baton Rouge Chapter of the American Society of Civil Engineers, 2005-13

- o President (2011-12), President-Elect, 2010-11, Vice President, 2009-10, Secretary/Treasurer, 2008-09

Member, Technical Committee, Amite River Basin Commission, 2008-

Member, Organizing Committee, American Society of Civil Engineers, GeoCongress 2008: The Challenge of Sustainability in the Geoenvironment, March 9-12, 2008, New Orleans, LA.

Member, Conference Planning Committee, American Institute of Hydrology, 25th Anniversary Meeting & International Conference on Challenges In Coastal Hydrology and Water Quality, May 21-24, 2006. Baton Rouge, LA.

Member, East Baton Rouge Parish Brownfields Steering Committee

Member, Geo-Institute Geoenvironmental Engineering Committee, American Society of Civil Engineers

Member, Ground Water Hydrology Committee, Environmental and Water Resources Institute, American Society of Civil Engineers

Session Chair

- o 2005 ASCE Geo-Frontiers Conference to be held in Austin, TX, January 2005.
- o Geological Society of America, 2000 Annual Meeting.
- o American Geophysical Union, 1998 Meeting.

Member, Student Paper Award

- ASCE Journal of Irrigation and Drainage
- Colloids and Surfaces A
- Geological Society of America

Proposal Reviewer

- National Science Foundation
- Department of Energy Environmental Science and Management Program
- Petroleum Research Fund, American Chemical Society
- Army Research Office
- U.S. Geological Survey, Water Research National Competitive Grants Program

Evaluator, Promotion and Tenure for Department of Civil, Construction and Environmental Engineering, University of Alabama-Birmingham, 2011

LA Board of Regents, Speaking of Science Program, 2002 -

Professional Registration

Registered Engineer #31567 (Louisiana)

Professional Experience

Instructor

N.C. State Industrial Extension Service, P.E. Review Course, Hydraulics for Sanitary Engineering

LSU P.E. Review Course, Hydraulics and Hydrology

LSU F.E. Review Course, Fluid Mechanics

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