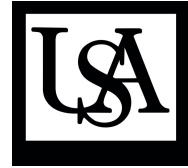


CURRICULUM VITAE

Bret M. Webb, Ph.D., P.E., D.CE
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Education

- B.S. (Civil Engineering), University of Florida, Gainesville, Florida 2001
- M.S. (Coastal & Ocean Eng.), University of Florida, Gainesville, Florida 2004
- Ph.D. (Coastal & Ocean Eng.), University of Florida, Gainesville, Florida 2008

Professional Experience (reverse chronological order)

- Dept. Civil Engineering, University of South Alabama, Associate Professor, 8/14 - Present
- Graduate School, University of South Alabama, Full Member, 8/14 – Present
- Graduate School, University of South Alabama, Associate Member, 8/08 – 8/14
- Dept. Civil Engineering, University of South Alabama, Assistant Professor, 8/08 – 8/14
- Dept. Civil Engineering, University of South Alabama, Instructor, 8/07 – 8/08
- Dept. Civil & Coastal Engineering, University of Florida, Grad. Res. Assistant, 1/01 – 8/07
- Naval Research Lab., SSC, Mississippi, Research Assistant, 5/02 – 8/02
- Coastal Engineering Consultants, Inc., Naples, Florida, Field Technician, 5/99 – 9/99
- SubOceanic Consultants, Inc., Naples, Florida, Field Technician, 5/96 – 9/96

Research Interests

- Coastal & Ocean Engineering: nearshore circulation and waves, storm surge, sediment transport, shoreline stabilization, coastal structures, coastal water quality, estuarine and shelf processes

Licenses & Certifications

- Professional Engineer, Alabama, No. 34056
- Professional Engineer, Florida, No. 78748
- Diplomate, Coastal Engineer

Honors and Awards (reverse chronological order)

- “Top Prof” Award, Azalea Chapter of Mortar Board, Univ. South Alabama, November 2014
- Andy and Carol Denny Excellence in Teaching Award, Univ. South Alabama, August 2013
- College of Engineering Excellence in Research Award, Univ. South Alabama, April 2013
- College of Engineering Excellence in Teaching Award, Univ. South Alabama, April 2013
- Named one of USA’s 50 outstanding faculty in 50-year history, February 2013
- Nominated for Bliss Medal, Society of American Military Engineers (SAME), December 2012
- Outstanding Student Mentor Award, Mobile Post, SAME, December 2012
- “Top Prof” Award, Azalea Chapter of Mortar Board, Univ. South Alabama, November 2011
- Instructor for NHI Course of Excellence, “Highways in the Coastal Environment,” 2011
- eLeader Recognition, University of South Alabama, February 2011
- “Top Prof” Award, Azalea Chapter of Mortar Board, Univ. South Alabama, February 2010
- ASCE ExCEED Fellow, 2008

Graduate Students

- Jackie Wittmann (current); Bryan Groza (current); Kari Servold (current); Chris Marr (graduated August 2013, thesis); Richard Allen (graduated May 2013, thesis); Jenifer Butler (graduated May 2013, coursework); Miyuki Matthews (graduated August 2012, thesis)

Undergraduate Research Students

- Marshall Hayden (current); Austin Forwood (current); Brock Jones (current); Jake Denson (current); Luke Walding (graduated May 2014); Jackie Wittmann (graduated May 2014); Clay McCoy (graduated May 2014, UCUR 2013); Tim Wicker (graduated May 2013); Drew Harrison (graduated May 2013); Falon Nettles (graduated May 2013, UCUR 2012); Bennett Dulaney (graduated May 2012); Crystal Fulcher (graduated May 2012); Sylvia Gonzales (graduated May 2012); Richard Allen (graduated BSCE May 2011); David Dickinson (graduated May 2011); Greg Dike (graduated May 2011); Jeff Jones (graduated May 2011); S. Matthew Jones (graduated May 2011); Seth Peterson (graduated May 2011); George Kantrales (graduated May 2010)

Other Student Mentoring

- Darius Hixon (current, ETOX graduate student, Univ. South Alabama); Dr. Steven Scyphers (current, NSF SEES fellow, Northeastern Univ.)

Proposals Funded (reverse chronological order)

1. NIST Community Resilience Center of Excellence; Webb (PI) and Douglass (Co-PI); \$255...; 2/15 - 1/20; National Institute of Standards and Technology
2. Design and Fabrication of Flume for Coastal Engineering; Webb (PI); \$44,356; 5/14 - 2/15; National Highway Institute / Kilgore Consulting and Management
3. Velocity and Bathymetry Mapping in the Vicinity of the US HWY 90/98 Causeway; Webb (PI); \$13,500; 3/14 - 5/14; Alabama Dept. Conservation and Natural Resources / South Coast Engineers
4. Testing Service Agreement - Performance of a Floating Breakwater System; Webb (PI); \$39,022; 12/13 - 3/14; Martin Ecosystems
5. Monitoring the Coastal Processes in the Vicinity of Little Lagoon Pass; Webb (PI) and Douglass (Co-PI); \$197,517; 8/12 - 8/14; Alabama Dept. Transportation
6. Evaluation of Coastal Processes and Structure Design Methodologies for TNC Restoration Activities in Alabama's Coastal Waters; Webb (PI); \$14,756; 2/12 - 9/12; The Nature Conservancy
7. A Decision Support Toolkit for the Functional Design of Structures in Living Shorelines; Webb (PI) and Douglass (Co-PI); \$149,207; 2/12 - 2/14; Mississippi-Alabama Sea Grant Consortium
8. Identifying Transport Pathways and Quantifying Exchange in Alabama's Coastal Waters: from the Shelf to the Delta; Webb (PI), Park (Co-PI) and Dzwonkowski (Co-PI); \$199,223; 12/10 - 6/12; BP Rapid Gulf Research Initiative / Alabama Marine Environmental Science Consortium
9. Modeling of Circulation and Physical Transport for the Alabama Coastal Waters to Assess Transport and Distribution of Oil-Derived Substances; Park (PI), Dzwonkowski (Co-PI) and Webb (Co-PI); \$129,246; 12/10 - 6/12; BP Rapid Gulf Research Initiative / Alabama Marine Environmental Science Consortium
10. Investigation of the Three Dimensional Eulerian Flow Field and Resulting Lagrangian Transport Pathways on the Alabama Shelf; Dzwonkowski (PI), Park (Co-PI) and Webb (Co-PI); \$177,975; 12/10 - 6/12; BP Rapid Gulf Research Initiative / Alabama Marine Environmental Science Consortium

11. Mass Transport along the Ship Channel in Mobile Bay, Alabama; Park (PI), Dzwonkowski (Co-PI) and Webb (Co-PI); \$69,277; 6/10 - 12/10; Northern Gulf Institute
12. Acquisition of a Water Quality Sonde to Measure Near-Surface Hydrocarbon Concentrations and Water Quality Indicators in Mobile Bay; Webb (PI); \$79,163; 9/10 - 8/11; National Science Foundation
13. Improving Wave Height Prediction During Barrier Island Overtopping; Webb (PI), Rogers (Co-PI) and Kennedy (Co-PI); \$9,599; 8/10 - Present (continuous support); Mississippi-Alabama Sea Grant Consortium
14. Exploratory Research on Wave Induced Scour at Coastal Bridges; Webb (PI) and Douglass (Co-PI); \$316,288; 9/08 - 9/10; Federal Highway Administration

Refereed Journal Publications (reverse chronological order)

1. Webb, B. M., Matthews, M. T. 2014. Wave-induced scour at cylindrical piles: estimating equilibrium scour depth in a transition zone. *Transportation Research Record: Journal of the Transportation Research Board* 1(2436), 148-155.
2. Dzwonkowski, B., Park, K., Lee, J., Webb, B. M., Valle-Levinson, A. 2014. Spatial variability of flow over a river-influenced inner shelf in coastal Alabama during spring. *Continental Shelf Research* 74, 25-34.
3. Lee, J., Webb, B. M., Dzwonkowski, B., Park, K., Valle-Levinson, A. 2013. Bathymetric influences on tidal currents at the entrance to a highly stratified, shallow estuary. *Continental Shelf Research* 58, 1-11.
4. Webb, B. M. 2012. A personal watercraft-based system for coastal ocean mapping. *Journal of Ocean Technology* 7(2), 47-68.
5. Douglass, S. L., Webb, B. M., Dixon, C. R., Buhring, T. 2011. Beach profile and island cross-section manipulations in response to the oil spill. *Journal of the American Shore and Beach Preservation Association* 79(4), 3-10.
6. Webb, B. M., King, J. N., Tutak, B., Valle-Levinson, A. 2007. Flow structure at a trifurcation near a North Florida inlet. *Continental Shelf Research* 27(10-11), 1528-1547.

Book Chapters & Manuals (reverse chronological order)

7. Douglass, S. L., Webb, B. M., Kilgore, R. 2014. "Highways in the Coastal Environment: Assessing Extreme Events." Hydraulic Engineering Circular 25 Vol. 2. United States Department of Transportation, Washington, DC. 149 pp.
8. Russ, S. H., Webb, B. M., Holifield, J., Walker, J. 2011. PILS: Low-Cost Water-Level Monitoring, In: *Environmental Monitoring*, E. O. Ekundayo, (Ed.), pp. 137-156, InTech, ISBN 978-953-307-661-4, Vienna, Austria.

Conference Published Proceedings (reverse chronological order)

9. Webb, B. M., Kennedy, A., Rogers, S., Gravois, U., Omar, H. 2012. A wave, water level, and structural monitoring plan for Dauphin Island, Alabama. In: *Proceedings of the ATC-SEI Advances in Hurricane Engineering Conference*, ASCE, Reston, VA.
10. Webb, B. M., Whelton, A. J. 2012. Near-synoptic measurements of surface water characteristics in a reservoir using a personal watercraft-based mapping system. In: *Proceedings of the Hydraulic Measurement and Experimental Methods Conference*, ASCE, Reston, VA.
11. Allen, R., Webb, B. M. 2011. Determination of wave transmission coefficients for oyster shell bag breakwaters. In: *Proceedings of the Conference on Coastal Engineering Practice*, 684-697. ASCE, Reston, VA.
12. Webb, B. M., Douglass, S. L., Dixon, C. R., Buhring, B. 2011. Application of coastal engineering principles in response to the Deepwater Horizon disaster: lessons learned in

- coastal Alabama. In: *Proceedings of the Conference on Coastal Engineering Practice*, 359-372. ASCE, Reston, VA.
13. Russ, S.H., Perepa, V., Leavesly, S., Webb, B. M. 2010. Novel low-cost salinity sensor for embedded environmental monitoring. In: *Proceedings of the IEEE SoutheastCon 2010*.
 14. Webb, B. M., Slinn, D. N. 2008. Phase-resolving sediment transport and morphology model, In: *Proceedings of the 31st International Conference on Coastal Engineering*, Hamburg, Germany.
 15. Webb, B. M., Slinn, D. N. 2006. Modeling bed morphology under waves and currents, In: *Proceedings of the 30th International Conference on Coastal Engineering*, Vol. 4, 3254-3261. San Diego, CA.
 16. Puleo, J. A., Holland, T., Slinn, D. N., Smith, E., Webb, B. M. 2002. Numerical modeling of swash zone hydrodynamics. In: *Proceedings of the 28th International Conference on Coastal Engineering*, Cardiff, Wales.

Conference Presentations (reverse chronological order)

17. Douglass, S. L., Webb, B. M., Servold, K. 2014. A primer on coastal engineering for "living shorelines." 7th National Summit on Coastal and Estuarine Restoration. Washington, D.C., Nov 1-6.
18. Webb, B. M., Douglass, S. L., Herder, T. 2014. Community-based restoration: a living shoreline for Mon Louis Island, Alabama. 7th National Summit on Coastal and Estuarine Restoration. Washington, D.C., Nov 1-6.
19. Webb, B. M., Matthews, M. T. 2014. Wave-induced scour at cylindrical piles: estimating equilibrium scour depth in a transition zone. Meeting of the Transportation Research Board. Washington, D.C., Jan 14-16.
20. Allen, R. J., Webb, B. M. 2013. Physical modeling of wave transmission for submerged and emergent breakwaters used in living shorelines. University of South Alabama Spring Research Forum. Mobile, AL, March 21.
21. Allen, R. J., Marr, C., Dulaney, B., Erdman, C., Lucas, I., Thomley, K., Webb, B. M., Whelton, A. 2013. Spatial Variability of Water Quality Near the MAWSS Pump Station Intake: J.B. Converse Reservoir. American Water Works Association Annual Conference & Exposition (ACE13), PST02 - Fresh Ideas Poster Session. Denver, CO, June 9-13.
22. Douglass, S. L., Webb, B. M., Kilgore, R. 2013. Development of a manual for transportation professionals on climate change and extreme coastal events. AGU Chapman Conference on Communicating Climate Science. Granby, CO, June 8 - 13. Abstract ID 1667366.
23. Dzwonkowski, B., Park, K., Lee, J., Webb, B., Valle-Levinson, A. 2013. Spring seasonal velocity structure on a river-influenced inner shelf: where is the coastal current? Association for the Sciences of Limnology and Oceanography Aquatic Sciences Meeting. New Orleans, LA, Feb 17-22.
24. Gough, M., Reniers, A., Haus, B., Beron-Vera, F.J., Chen, S., Coelho, E., Griffa, A., Haza, A., Hogan, P., Huntley, H.S., Iskandarani, M., Jacobs, G., Kirwan, Jr., A.D., Laxague, N., Levinson, A., Lipphardt, Jr., B.L., Mariano, A., Novelli, G., Olascoaga, M.J., Özgökmen, T., Poje, A., Ryan, E.H., Smith, C., Sulman, M., Webb, B., Wei, M. 2013. Inertial currents in the Northern Gulf of Mexico during the GLAD experiment. Gulf of Mexico Oil Spill & Ecosystem Science Conference. New Orleans, LA, Jan 21-23.
25. Marr, C. D., Webb, B. M. 2013. Hydrodynamic modeling of turnover times in Mobile Bay, Alabama and their sensitivity to tides, fluvial discharge, and meteorological forcing. *Coastal and Estuarine Research Federation*, November 3 - 7, San Diego, CA.
26. Marr, C. D., Webb, B. M. 2013. Spatial variability of residence time in Mobile Bay, Alabama. University of South Alabama Spring Research Forum. March 21, 2013. Mobile, AL.
27. Nettles, F., Webb, B. M. 2013. Spatial variability of water quality in Big Creek Lake,

- Alabama. 27th National Conference on Undergraduate Research. April 11 – 13, 2013. La Crosse, WI.
28. Servold, K., Douglass, S. L., Webb, B. M. 2013. Developing engineering guidance for the functional design of structures in living shorelines. ASBPA Annual Conference. South Padre Island, TX, Oct 22-25.
 29. Servold, K., Webb, B. M., Douglass, S. L., Powers, S., Allen, R. J., Wicker, T., Harrison, D. 2013. A decision support toolkit for the functional design of structures in living shorelines. University of South Alabama Spring Research Forum, Poster 20. March 21, 2013. Mobile, AL.
 30. Webb, B. M., Douglass, S. L. 2013. Monitoring coastal processes in the vicinity of Little Lagoon Pass. 56th Annual Transportation Conference. February 12 – 13, 2013. Montgomery, AL. (invited)
 31. Webb, B. M., Douglass, S. L., Servold, K. 2013. Living shorelines: how much coastal engineering do you need? *Coastal and Estuarine Research Federation*, November 3 - 7, San Diego, CA.
 32. Webb, B. M., Marr, C. 2013. Hydrodynamic timescales of Mobile Bay, AL and their Spatial Variability. Annual Conference of the Alabama Section of the American Water Resources Association. September 4 - 6, 2013. Orange Beach, AL.
 33. Allen, R. J., Marr, C., Webb, B. M., Whelton, A., Dulaney, B., Erdman, C., Lucas, I., Thomley, K. 2012. Spatial Variability of Water Quality Near the MAWSS Pump Station Intake: J.B. Converse Reservoir. Alabama-Mississippi Section of the American Water Works Association Annual Conference. Mobile, Alabama. October 15 – 16.
 34. Allen, R. J., Webb, B. M. 2012. Engineered reefs: a comprehensive evaluation of wave transmission through physical modeling. Mississippi-Alabama Bays and Bayous Symposium, Poster No. 21. Biloxi, MS, Nov 14-15.
 35. Allen, R. J., Webb, B. M. 2012. Wave Attenuation Devices: a Comprehensive Evaluation of Wave Transmission through Physical Modeling. University of South Alabama Spring Research Forum, Poster 20. March 26 – 30, 2012. Mobile, AL.
 36. Buhring, T., Webb, B. M., Douglass, S. L., Powers, S., Scyphers, S., Allen, R. J. 2012. A database on living shorelines with breakwaters: did we miss your project? Restore America's Estuaries Conference, Poster No. PP-1. Tampa, FL, Oct 21-23.
 37. Marr, C. D., Webb, B. M. 2012. Spatial Variability of Residence Time in Mobile Bay, Alabama. University of South Alabama Spring Research Forum, Poster 19. March 26 – 30, 2012. Mobile, AL.
 38. Matthews, M. T., Webb, B. M. 2012. Characterizing Wave-Induced Scour Processes in a Transition Zone: a Continuum Model for Equilibrium Scour Depth at Cylindrical Piles. University of South Alabama Spring Research Forum, Poster 18. March 26 – 30, 2012. Mobile, AL.
 39. Weaver, R. J., Webb, B. M. 2012. Surface water quality survey of northern Indian River Lagoon from Sebastian Inlet to Mosquito Lagoon. *Eos. Trans. AGU XX (XX)*, Fall Meet. Suppl., Abstract OS21B-1750.
 40. Webb, B. M., Douglass, S. L. 2012. The effects of climate change on storm surge and waves in coastal Alabama and their impact on transportation infrastructure. National Hydraulic Engineering Conference. Nashville, TN, Aug 29-31.
 41. Webb, B. M., Douglass, S. L. 2012. Monitoring the coastal processes in the vicinity of Little Lagoon Pass. Alabama Department of Transportation Research Advisory Committee, July 2, 2012. Montgomery, AL. (invited)
 42. Webb, B. M., Douglass, S. L., Allen, R. J., Buhring, T. 2012. Maximizing the ecological and engineering benefits of living shorelines through the effective design of breakwaters. Mississippi-Alabama Bays and Bayous Symposium. Biloxi, MS, Nov 14-15.
 43. Webb, B. M., Douglass, S. L., Dixon, C. R., Buhring, B. 2012. Application of coastal

- engineering principles in response to the Deepwater Horizon disaster: lessons learned in coastal Alabama. 55th Annual Transportation Conference. February 23 – 24, 2012. Montgomery, AL. (invited)
44. Webb, B. M., Douglass, S. L., Powers, S., Scyphers, S., Allen, R. J., Buhning, T. 2012. Decision support tools for the design of structures in living shorelines. Restore America's Estuaries Conference, Poster No. STP-14. Tampa, FL, Oct 21-23.
 45. Webb, B. M., Rogers, S., Kennedy, A., Gravois, U., Omar, H. 2012. Measurements of storm surge and waves on Dauphin Island during Hurricane Isaac. Mississippi-Alabama Bays and Bayous Symposium. Biloxi, MS, Nov 14-15.
 46. Webb, B. M., Russ, S. H., Martin, D. B. 2012. Development of an Enhanced Ocean Drifter. University of South Alabama Spring Research Forum, Poster 17. March 26 – 30, 2012. Mobile, AL.
 47. Webb, B. M., Weaver, R. J. 2012. A tale of two inlets: tidal currents at two adjacent inlets in the Indian River Lagoon estuary, Florida. *Eos. Trans. AGU XX (XX)*, Fall Meet. Suppl., Abstract OS21B-1751.
 48. Webb, B. M., Whelton, A. J. 2012. Engaging scientists and engineers through immersive learning. South Alabama Conference on Teaching and Learning, May 14 – 15, 2012. Mobile, AL.
 49. Allen, R., Webb, B. M. 2011. Determination of wave transmission coefficients for oyster shell bag breakwaters. American Shore and Beach Preservation Association, New Orleans, LA (ASBPA Student Education Award).
 50. Webb, B. M. 2011. Synoptic surveys of near-surface hydrography in a Gulf of Mexico estuary. *Coastal and Estuarine Research Federation*, November 6 – 10, Daytona Beach, FL.
 51. Lee, J., Webb, B. M. 2011. Tidal current characteristics with the diurnal tidal system in a shallow estuary. *Coastal and Estuarine Research Federation*, November 6 – 10, Daytona Beach, FL.
 52. Ross, J. L., Webb, B. M., Dzwonkowski, B., Park, K., Valle-Levinson, A. 2011. Lagrangian observations over a region influenced by the Mobile Bay outflow plume. *Coastal and Estuarine Research Federation*, November 6 – 10, Daytona Beach, FL.
 53. Webb, B. M. 2011. Linking objectives and outcomes assessment in electronic learning. South Alabama Conference on Teaching and Learning, Mobile, AL.
 54. Webb, B. M., Russ, S., Holifield, J., Walker, J. 2011. Improving predictions of wind-generated water levels and salinity distributions in Mobile Bay. University of South Alabama Spring Research Forum, Mobile, AL.
 55. Webb, B. M. 2010. Wave induced scour at coastal infrastructure. National Hydraulic Engineering Conference, Park City, UT.
 56. Webb, B. M., Rogers, S., Kennedy, A. 2010. Improving wave height prediction during barrier island overtopping. Mississippi-Alabama Bays and Bayous Symposium, Poster No. 56. Mobile, AL.
 57. Webb, B. M. 2010. Improving parameterizations of stress and transport in the rippled bed regime under combined wave-current flows. *Eos. Trans. AGU 91 (26)*, Ocean Sci. Meet. Suppl., Abstract GO35A-09.
 58. Webb, B. M., Slinn, D.N. 2008. Modeling small-scale sediment transport and morphology. *AGU-ASLO Joint Ocean Sci. Meet. Suppl.*, Abstract OS028.
 59. Webb, B. M., Slinn, D. N. 2006. Modeling bed morphology under waves and currents. *Eos. Trans. AGU 87 (36)*, Ocean Sci. Meet. Suppl., Abstract OS35E-26.
 60. Webb, B. M., Slinn, D. N. 2004. Vertical distribution of radiation stress for non-linear shoaling waves. *Eos. Trans. AGU 85 (47)*, Fall Meet. Suppl., Abstract OS14B-05.
 61. Webb, B. M., Slinn, D. N. 2003. Three-dimensional modeling of the swash zone. *Eos. Trans. AGU 84 (52)*, Ocean Sci. Meet. Suppl., Abstract OS12E-09.

62. Puleo, J. A., Slinn, D. N., Holland, K. T., Webb, B. M. 2002. A volume of fluid model for surf and swash zones. *Eos. Trans. AGU 83 (47)*, Fall Meet. Suppl., Abstract OS71A-0250.

Other Presentations and Publications (reverse chronological order)

- Invited Seminar: Status of Living Shoreline Research: Where are we now? Mississippi-Alabama Sea Grant, Living Shorelines Workshop, May 29, 2014.
- Invited Seminar: Case Studies of Living Shorelines in Alabama. Southern Environmental Law Center Alabama Living Shoreline Collaborative, Engineering and Ecology Workshop, August 21, 2013.
- Invited Workshop: Designing Effective Instruction. University of South Alabama New Faculty Orientation, August 15, 2013.
- Invited Seminar: Laboratory Measurements and Observations of Wave Attenuation by Living Shoreline Reefs. Lake Pontchartrain Basin Foundation and Environmental Defense Fund Oyster Reef Workshop, August 7, 2013.
- Webb, B. M., Douglass, S. L. 2013. Customization may be Key to Success of Living Shorelines. *Sea Briefs* Vol. 13, No. 1.
- Invited Seminar: Drifter Trajectories on the Inner Shelf of the Northern Gulf of Mexico: the Challenges of Lagrangian Data Analysis. Naval Research Laboratory - Stennis Space Center SEAP/NREIP Seminar Series, June 19, 2013.
- Invited Seminar: Designing Effective Instruction. University of South Alabama Innovation in Learning Center (ILC) Seminar Series, April 24 and 25, 2013.
- Webb, B. M. 2012. *Evaluation of Coastal Processes and Structure Design Methodologies for The Nature Conservancy's Restoration Activities in Alabama's Coastal Waters*. Technical Report for The Nature Conservancy, Alabama Coastal Chapter.
- Webb, B. M. 2012. *Jag Ski Creates Versatile Platform for Bay Study*. Application Note, SonTek / Xylem.
- Invited Seminar: Designing Effective Instruction. University of South Alabama Innovation in Learning Center (ILC) Seminar Series, September 10 and 11, 2012.
- Werblow, S., Webb, B. M. 2012. Jet Ski Provides Platform for Collecting Water Quality Data in Bay Studies. *Sea Technology*. August 2012.
- Invited Seminar: Designing Effective Instruction. University of South Alabama Innovation in Learning Center (ILC) Seminar Series, May 24, 2012.
- Invited Seminar: Living Shorelines: an Exercise in Engineered Restoration. American Society of Civil Engineers Mobile (AL) Branch Meeting, April 11, 2012.
- Invited Seminar: Designing Effective Instruction. University of South Alabama Innovation in Learning Center (ILC) Seminar Series, March 7 and 8, 2011.
- Invited Seminar: Designing Effective Instruction. University of South Alabama Innovation in Learning Center (ILC) Seminar Series, September 12 and 13, 2011.
- Invited Seminar: Synoptic Surveys of Near-Surface Water Characteristics in a Gulf of Mexico Estuary. Naval Research Laboratory - Stennis Space Center National Defense Education Program, July 13, 2011.
- Invited Seminar: The South Alabama Jag Ski: an Opportunity for Rapid Water Quality Surveys and Enhanced Descriptions of Mobile Bay's Dynamics. Gulf Coast Exploreum Science Brown Bag Lunch Seminar, May 4, 2011.
- Webb, B. M. 2011. The University of South Alabama Jag Ski: a Personal Watercraft Hydrographic Data Collection System. *The National Association of Environmental Professionals National E-News*, May - June: 10-16.

- Webb, B. M., Douglass, S. L., Dixon, C. R., Buhring, B. 2011. Coast Guards. *Civil Engineering* 81(12): 76-83. ASCE, Reston, VA.
- Webb, B. M., Douglass, S. L., Schultz, P., Hogan, C., Choate, A. 2011. Impacts of climate change on storm surge and waves in coastal Alabama. ADCIRC Workshop, Stennis Space Center, MS.
- Webb, B. M. 2011. *Wind, Wave, Water Level, and Sediment Transport Analysis for Mon Louis Island, Alabama*. Technical Report for Mobile Bay National Estuary Program.
- Invited Speaker: The Coastal Processes of Mon Louis Island. Mobile Bay National Estuary Program, Mon Louis Island Community Based Restoration Meeting, February 17, 2011.
- Webb, B. M. 2010. *Shoreline Stabilization Strategies for Steele Creek Lodge – Satsuma, Alabama*. Technical Report for Mobile Bay National Estuary Program.
- Invited Seminar: Innovative Teaching in the STEM Curriculum, Part II of II. University of South Alabama Program for the Enhancement of Teaching and Learning (PETAL) Seminar Series, October 7, 2010.
- Invited Seminar: Innovative Teaching in the STEM Curriculum, Part I of II. University of South Alabama Program for the Enhancement of Teaching and Learning (PETAL) Seminar Series, September 30, 2010.
- Invited Seminar: Student Assessment Techniques. University of South Alabama Program for the Enhancement of Teaching and Learning (PETAL) PowerPETAL Workshop, August 20, 2010.
- Invited Seminar: Innovative Teaching in the STEM Curriculum. University of South Alabama Program for the Enhancement of Teaching and Learning (PETAL) Seminar Series, February 10, 2010.
- Invited Seminar: Hydrodynamics of a North Florida Inlet: St. Augustine, FL. Dauphin Island Sea Lab Seminar Series, September 3, 2009.
- Invited Seminar: Effective Teaching in the STEM Curriculum. University of South Alabama Program for the Enhancement of Teaching and Learning (PETAL) Brown Bag Lunch Series, October 3, 2008.
- Invited Seminar: Phase-Resolving Models of Sediment Transport and Morphology. Naval Research Laboratory - Stennis Space Center, MS, August 15, 2008.
- Invited Seminar: Civil Engineering in the Coastal Environment. University of South Alabama Odyssey Program, November 2, 2007.

Courses Taught (chronological order)

- Fall 2007
 - i. CE 366 Hydraulic Engineering; 10 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 10 students
- Spring 2008
 - i. CE 490/590 Coastal Sediment Processes; 8 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 8 students
- Fall 2008
 - i. CE 360 Water Resources Engineering I; 11 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 11 students
- Spring 2009
 - i. CE 360 Water Resources Engineering I; 16 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 12 students
 - iii. CE 502 Civil Engineering Design in the Coastal Environment; 6 students

- Fall 2009
 - i. CE 501 Introduction to the Coastal Design Environment; 10 students
- Spring 2010
 - i. CE 360 Water Resources Engineering I; 33 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 17 students
 - iii. CE 466 Coastal & Harbor Engineering; 3 students
 - iv. CE 566 Coastal & Harbor Engineering; 3 students

- Fall 2010
 - i. CE 501 Introduction to the Coastal Design Environment; 7 students
 - ii. CE 494 Wave Basin Testing of Bagged Oyster Shell; 1 student
 - iii. CE 494 Coastal Engineering Analysis of Katrina Cut; 1 student
 - iv. EG 101 Freshman Seminar (7 weeks of instruction); 27 students
- Spring 2011
 - i. CE 360 Water Resources Engineering I; 35 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 33 students
 - iii. EG 231 Engineering Economics and Ethics; 35 students
 - iv. CE 599 MSCE Thesis Hours; 1 student
- Summer 2011
 - i. CE 592 Descriptions of Mobile Bay's Hydrodynamics; 1 student
- Fall 2011
 - i. CE 501 Introduction to the Coastal Design Environment; 7 students
 - ii. CE 590 Field Analysis and Sampling Techniques in CE; 2 students
 - iii. CE 490 Field Analysis and Sampling Techniques in CE; 4 students
 - iv. CE 599 MSCE Thesis Hours; 1 student
- Spring 2012
 - i. CE 360 Water Resources Engineering I; 39 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 40 students
 - iii. CE 560 Coastal Hydrodynamics; 3 students
 - iv. CE 599 MSCE Thesis Hours; 2 students
- Summer 2012
 - i. CE 590 Coastal Zone Management; 2 students
 - ii. CE 599 MSCE Thesis Hours; 3 students
- Fall 2012
 - i. CE 501 Introduction to the Coastal Design Environment; 14 students
 - ii. CE 563 Coastal Hydrodynamic Modeling; 4 students
 - iii. CE 599 MSCE Thesis Hours; 2 students
- Spring 2013
 - i. CE 360 Water Resources Engineering I; 35 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 33 students
 - iii. CE 494 Hydrodynamic Modeling of Little Lagoon; 1 student
 - iv. CE 599 MSCE Thesis Hours; 2 students
- Summer 2013
 - i. CE 599 MSCE Thesis Hours; 1 student
- Fall 2013
 - i. CE 501 Introduction to the Coastal Design Environment; 39 students
 - ii. CE 566 Coastal & Harbor Engineering; 2 students
 - iii. CE 466 Coastal & Harbor Engineering; 5 students

- Spring 2014
 - i. CE 360 Water Resources Engineering I; 26 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 28 students
 - iii. CE 490 Coastal & Environmental Engineering Design; 5 students
 - iv. CE 590 Coastal & Environmental Engineering Design; 2 students
- Fall 2014
 - i. EG 360 Fluid Mechanics; 54 students
 - ii. CE 501 Introduction to the Coastal Design Environment; 10 students
- Spring 2015
 - i. CE 360 Water Resources Engineering I; 37 students
 - ii. CE 367 Hydraulic Engineering Laboratory; 43 students
 - iii. CE 432 Senior Design II; 14 students
 - iv. CE 563/490 Numerical Modeling of Coastal Hydrodynamics; 6 students

Professional Service (reverse chronological order)

- Marine Environment Committee, TRB/NRC/NAE, 4/14 - Present
- Coastal Zone Management Committee, ASCE COPRI, 4/14 - Present
- Living Shorelines Subcommittee, ASCE COPRI, 1/13 - Present
- Member, Mobile Bay Interagency Working Group, 2011 – Present
- Instructor, NHI Course No. 135082 *Highways in the Coastal Environment*, Newington, CT, Dec. 2013
- Instructor, NHI Course No. 135082 *Highways in the Coastal Environment*, Arlington, VA, August 2013
- Instructor, NHI Course No. 135082 *Highways in the Coastal Environment*, Tampa, FL, March 2013
- Panelist, NOAA/MASGC Hydrologic Restoration Funding Program, 2012
- Panelist, Louisiana Board of Regents Funding Program, 2012
- Panelist, NOAA/MASGC Hydrologic Restoration Funding Program, 2011
- Co-Chair, Alabama Marine Environmental Science Consortium BP Gulf Research Initiative, Theme 2: Physical Transport, September 2010 – 2012
- Instructor, NHI Course No. 135082 *Highways in the Coastal Environment*, Baton Rouge, LA, March 2009
- Co-Chair and Convener, Nearshore Processes, American Geophysical Union Fall Meeting, 2008
- Member, Science Advisory Committee, Mobile Bay National Estuary Program, 2008 – Present
- Instructor, NHI Course No. 135082 *Highways in the Coastal Environment*, Gainesville, FL, February 2008
- Reviewer for *Journal of Fluid Mechanics*; *Journal of Ocean Technology*; *Journal of Waterway, Port, Coastal, and Ocean Engineering*; *Journal of Coastal Research*; *Estuaries & Coasts*, 2008 - Present

Community Service (reverse chronological order)

- Chairman, City of Daphne (AL) Environmental Advisory Committee, January 2012 – Present
- Executive Vice President, Smart Home Alabama 501(c)(3), 2010 – 2012
- Member, Board of Directors, Smart Home Alabama 501(c)(3), 2009 – 2012

- Technical Advisor, Mobile Area Education Foundation, 2008 – Present

University Service (reverse chronological order)

- Chair, College of Engineering Faculty Search Committee, June 2013 – August 2013
- Faculty Mentor, Clay McCoy, USA UCUR program, 2013
- Member, USA Graduate Council, 2013 - 2015
- Fellowship Mentor, Dr. Steven Scyphers, NSF SEES, Northeastern University, 2012 – Present
- Faculty Mentor, Falon Nettles, USA UCUR program, 2012
- Member, D.Sc. Advisory Committee, 2012 – Present
- Member, Sakai Advisory Committee, 2012 – Present
- Member, Faculty Search Committee, Civil Engineering, 2011 – 2012
- Panelist, PowerPETAL II, Program for the Enhancement of Teaching and Learning, University of South Alabama, “Engaging Students,” January 2011
- Facilitation for MathCounts, College of Engineering, Spring 2011
- Member, Society of American Military Engineers Mobile Post Student Chapter Committee, University of South Alabama, January 2011 – Present
- Member, Advisory Board, Program for the Enhancement of Teaching and Learning, University of South Alabama, December 2010 – 2012
- Member, Faculty Search Committee, Civil Engineering, 2010 – 2011
- Faculty Advisor, USA Sailing Club, August 2010 – Present
- Faculty Advisor, USA Student Chapter of SAME, August 2010 – Present
- Member, Doctoral Program (ACHE) Committee Member, College of Engineering, 2010
- Member, Undergraduate Affairs Committee, College of Engineering, 2010 – 2012
- Member, Computing Committee, College of Engineering, 2009 – 2013
- Member, Faculty Search Committee, Civil Engineering, 2009 – 2010
- Instructor, Alabama Stormwater Management Continuity Education Seminar, “Stormwater Management using Wet and Dry Detention Facilities,” October 2009
- Panelist, STEM Education, Program for the Enhancement of Teaching and Learning, University of South Alabama, September 2009
- Associate Member, USA Graduate Faculty, 2008 – Present
- Member, Academic Standards Committee, College of Engineering, 2008 – 2010
- Member, Library Committee, University of South Alabama, 2008 – Present

Professional Organizations

- American Geophysical Union (member)
- American Shore and Beach Preservation Association (member)
- American Society of Civil Engineers (member)
- ASCE – Coasts, Oceans, Ports, and Rivers Institute
- Association of Coastal Engineers (member)
- Chi Epsilon Civil Engineering National Honor Society (member)
- Tau Beta Pi Engineering Honor Society (member)

- Coastal Education & Research Foundation (member)
- Coastal & Estuarine Research Federation (member)
- Society of American Military Engineers (young member)