

Ping Wang, Ph.D.

Professor
Director, Coastal Research Laboratory
School of Geosciences
University of South Florida
4202 E. Fowler Ave.
Tampa, FL 33620
USA
Phone: 813-974-9170
Email: pwang@usf.edu
Webpage: <http://crl.usf.edu/>

EDUCATION:

Ph.D. in Geology, University of South Florida, 1995.

Dissertation: Nearshore Sediment Transport--Field Measurement and Prediction.

M.S. in Marine Geology, Tongji University, Shanghai, China, 1991.

Thesis: Barrier Island Depositional Systems in Northeastern Shandong Peninsula, China.

B.S. in Marine Geology, Tongji University, Shanghai, China, 1988.

AREAS OF RESEARCH INTEREST:

Coastal sedimentary processes.
Nearshore sediment transport.
Nearshore wave and current dynamics.
Coastal morphodynamics.
Coastal engineering and management.
Numerical modeling of coastal environments.
Aeolian sand transport.
Deltaic geology.
Coastal geology.
Sedimentary geology.
Coastal oceanography
Marine geology
Environmental geology

RESEARCH AND TEACHING EXPERIENCES:

- 08/2014-present Professor, School of Geosciences, University of South Florida.
- 09/2009-08/2013 Associate Chair and Graduate Director, Department of Geology, University of South Florida.
- 08/2007-08/2014 Associate Professor, Department of Geology, University of South Florida.
- 08/2001-present Director, Coastal Research Laboratory, University of South Florida.
- 08/2001-08/2007 Assistant Professor, Department of Geology, University of South Florida.
- 01/1998-08/2001 Assistant Professor of Research, Coastal Studies Institute, Louisiana State University.
- 01/2000-08/2001 Visiting Research Scientist, US Army Engineer Research and Development Center, Coastal and Hydraulic Laboratory
- 01/1997-01/1998 Post-Doctoral Research Associate, Coastal Studies Institute, Louisiana State University.
- 01/1997-01/1998 Instructor, Department of Geology and Geophysics, Louisiana State University.
- 10/1995-12/1996 Post-Doctoral Research Associate, Coastal Research Laboratory, University of South Florida.
- 03/1996-06/1996 Visiting Research Scientist, Conrad Blucher Institute for Surveying and Science, Texas A&M University – Corpus Christi.
- 06/1992-10/1995 Research Assistant, Coastal Research Laboratory, University of South Florida.
- 08/1991-05/1992 Regent Graduate Fellow, Texas A&M University.

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

The Coastal Education and Research Foundation (CERF).
American Shore and Beach Preservation Association (ASBPA).
Florida Shore and Beach Preservation Association (FSBPA).
Geological Society of America (GSA)
American Geophysical Union (AGU).

PROFESSIONAL HONORS AND SERVICES:

ASSOCIATE EDITOR: *ASCE Journal of Waterway, Port, Coastal and Ocean Engineering. (2005-2009)*

EDITORIAL BOARD: *Journal of Coastal Research.*

Co-Chair: International Conference on Coastal Sediment'19 (May 27 – 31, 2019, Tampa).

Co-Chair: International Conference on Coastal Sediment'15 (May 10 – 14, 2015, San Diego).

Co-Chair: International Conference on Coastal Sediment'11 (May 2 – 6, 2011, Miami).

Steering Committee: International Conference on Coastal Sediment'07: New Orleans.

Section Chair: International Conference on Coastal Sediment'03: Clearwater.

Section Chair: International Coastal Symposium, Brazil, 2004.

Reviewer for Numerous Journals and Funding Agencies, including:

Funding Agencies:

National Science Foundation
Sea Grant College Programs (several States)
Petroleum Research Institute
SERDP (Strategic Environmental Research and Development Program)
The Water Institute of the Gulf (Louisiana)

Peer-Reviewed Journals

Journal of Coastal Research
ASCE Journal of Waterway, Port, Coastal and Ocean Engineering
Nature
Geo-Marine Letters
Marine Geology
Sedimentary Geology
Journal of Sedimentary Research
Coastal Engineering
Continental Shelf Research
Journal of Geophysical Research
Geophysical Research Letters
Natural Hazards
Earth Surface Processes and Landforms
Estuaries and Coasts
Journal of Environmental Management
Shore and Beach
Earth-Science Reviews
Ocean and Coastal Management

UNIVERSITY SERVICES

2003-2004: Co-Chair, USF Asian Alliance
2004-2005: Member, USF Diversity Task Force
2001-2005: USF Geology Faculty Advisory Council
2001-2005: Various USF Geology Department committees
2005-2006: Chair, USF Geology Sedimentology Faculty Search Committee.
2009-2013: Associate Chair and Graduate Program Director
2012-2013: Chair, College of Arts and Science, Graduate Committee
2010-2014: Member, School of Natural Sciences and Mathematics (SNSM), Graduate Committee
2013-2014: Member, College of Arts and Science, Graduate Committee
2014-2016: USF Geosciences Faculty Advisory Council
2014-2016: Member, School of Natural Sciences and Mathematics (SNSM), Tenure and Promotion Committee
2014-2016: Member, College of Arts and Sciences (CAS), Tenure and Promotion Committee

STUDENT SUPERVISED (major professor)

Nicole A. Elko,	Ph.D.	2006
Tiffany M. Roberts,	Ph.D.	2012
Marianne Caldwell,	Ph.D.	2012
Katherine E. Brutsche,	Ph.D.	2014
Jun Cheng,	Ph.D.	2016
Mark H. Horwitz,	Ph.D.	2017

Alyssa St. John,	MS	2004
Jennifer Krock,	MS	2005
David Tidwell,	MS	2005
Kyle Kelso,	MS	2007
Tiffany Roberts,	MS	2008
Tanya Beck,	MS	2008
Katherine Brutsche	MS	2011
Mike Cook	MS	2012
Jase Ousley	MS	2012
Andrew Brownell	MS	2013
Denise Davis	MS	2013
Lance Croft	MS	2014
Ming Xie	MS	2014
Emeli Sandoval	MS	2015
Zachery Tyler	MS	2016
Zhaoxu Zhu	MS	2016
Zachary Westfall	M.S.	2018
Joseph Terrano	M.S.	2018
Ruoshu Zhao	M.S.	2018

POST-DOC/VISITING PROFESSOR SPONSORED

Dr. Daidu Fan,	Tongji University, China	2003-2004
Dr. Vanda Sales Claudino,	Federal University of Ceara, Brazil	2005-2010
Dr. Jicai Zhang,	Nanjing University, China	2009-2011
Dr. Zhiqiang Li,	Guangdong Ocean University	2014-2015
Dr. Jun Cheng	University of South Florida	2016-present

CURRENT GRADUATE STUDENTS (major professor)

Denise Davis	Ph.D.
Yuzhu Wang	Ph.D.
Mathieu Vallee	Ph.D.
Tanya Beck	Ph.D.

PUBLICATIONS

Peer-Reviewed Journals and Book Chapters (listed from the earliest to the latest):

Students (with me serving as the major professor) and supervised post-doc researcher underlined

- 1) Li, C., Chen, G., Yao, M., and Wang, P., 1991. The influences of suspended load on the sedimentation in the coastal zones and continental shelves of China. *Marine Geology*, 96: 341-352.
- 2) Li, C. and Wang, P., 1991. Stratigraphy of the Late Quaternary barrier-lagoon depositional systems along the coast of China. *Sedimentary Geology*, 72: 189-200.
- 3) Wang, P. and Li, C., 1992. Roundness parameters in barrier-lagoon systems in northeastern Shandong Peninsula, China: limitations to environmental discrimination. *Sedimentary Geology*, 77: 143-152.
- 4) Li, C. and Wang, P., 1994. Stratigraphic models of barrier-lagoon systems in the coastal zones of China. In Zhou Di et al. (eds.), *Oceanology of China Seas*, Kluwer Academic Publishers, the Netherlands, v. 2: 457-464.
- 5) Wang, P., Kraus, N.C., and Davis, R.A., Jr., 1998. Total rate of longshore sediment transport in the surf zone: field measurements and empirical predictions. *Journal of Coastal Research*, 14(1): 269-283.
- 6) Wang, P., Davis, R.A., Jr., and Kraus, N.C., 1998. Cross-shore distribution of sediment textures under breaking waves. *Journal of Sedimentary Research*, 68: 497-506.
- 7) Wang, P., 1998. Longshore sediment flux in the water column and across the surf zone. *Journal of Waterway, Port, Coastal & Ocean Engineering*, ASCE, 124: 108-117.

- 8) **Wang, P.** and Davis, R.A., Jr., 1998. A beach profile model for a barred coast – case study from Sand Key, west-central Florida. *Journal of Coastal Research*, 14(3): 981-991.
- 9) **Wang, P.**, Stone, G.W., and Pepper, D.A., 1998. A preliminary assessment of hydrodynamic responses to detached, segmented breakwaters, south-central Louisiana. *Journal of Coastal Research*, Special Issue 26: 201-207.
- 10) Pepper, D.A., Stone, G.W., and **Wang, P.**, 1998. A preliminary assessment of wave, current, and sediment interactions on the Louisiana shoreface adjacent to the Isles Dernieres. *Recent Research in Coastal Louisiana*, 35-45.
- 11) **Wang, P.** and Kraus, N.C., 1999. Horizontal water trap for measurement of aeolian sand transport. *Earth Surface Processes and Landforms*. 24: 65-70.
- 12) **Wang, P.** and Kraus, N.C., 1999. Longshore sediment transport rate measured by short-term impoundment. *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE 125: 118-126.
- 13) **Wang, P.** and Davis, R.A., 1999. Depth of closure and the equilibrium beach profile – A case study from Sand Key, West-Central Florida. *Shore and Beach*, 67: 33-42.
- 14) Stone, G.W., **Wang, P.**, Pepper, D.A., Grymes, J.M., Roberts, H.H., Zhang, X., Hsu, S.A., and Huh, O.K., 1999. Studying the importance of hurricanes to the northern Gulf of Mexico coast. *EOS Transactions, American Geophysical Union*, 80: 301, 305.
- 15) Li, C., **Wang P.**, **Fan, D.**, and Zhang, J., 1999. Late Quaternary stratigraphical framework and potential environmental problems in the Changjiang Delta Region. *Acta Geographical Sinica*, 54 (in Chinese with English abstract).
- 16) Li, C., **Wang P.**, **Fan, D.**, and Li, T., 1999. Sedimentation rate and sedimentary break in tidal deposits. *Marine Geology and Quaternary Geology*, 19 (in Chinese with English abstract).
- 17) Li, C., **Wang P.**, **Fan, D.**, and Li, T., 1999. Tidal flat sedimentation and hiatus in the Shanghai area, China. *Quaternary Sciences*, 43 (in Chinese with English abstract).
- 18) Davis, R.A., **Wang, P.**, and Silverman, B.R., 2000. Comparison of the performance of three adjacent and differently constructed beach nourishment projects on the Gulf peninsula of Florida. *Journal of Coastal Research*, 16: 396-408.
- 19) Li, C., **Wang, P. (corresponding author)**, **Fan D.**, Dang, B., and Li, T., 2000. Open coast intertidal deposits and the preservation potential of individual lamina: a case study from east-central China. *Sedimentology*, 47: 1039-1051.
- 20) Li, C., **Wang, P.**, **Fan, D.**, and Deng, B., 2000. Bruun rule and its application to the coastal zone of China. *Marine Geology and Quaternary Geology*, 20(1): 87-92(in Chinese with English abstract).

- 21) Li, C., **Wang, P. (corresponding author)**, Sun, H., Zhang, J., Fan, D., Deng, B., 2002. Late Quaternary stratigraphic framework and evolution, Yangtze Delta, China. *Sedimentary Geology*, 152, 133-158.
- 22) **Wang, P.**, Smith, E.R., and Ebersole, B.A., 2002. Large-Scale Laboratory Measurements of Longshore Sediment Transport Under Spilling and Plunging Breakers. *Journal of Coastal Research*, 18, 118-135.
- 23) Fan, D., Li, C., Archer, A. W., and, **Wang, P.**, 2002. Temporal distribution of diastems in deposits of an open-coast tidal-flat with high suspended sediment concentrations. *Sedimentary Geology*, 152, 173-181.
- 24) **Wang, P.**, Ebersole, B.A., Smith, E.R., and Johnson, B.D., 2002. Temporal and spatial variations of surf-zone currents and suspended-sediment concentration. *Coastal Engineering*, 46, 175-211.
- 25) **Wang, P.**, Ebersole, B.A., and Smith, E.R., 2003. Beach profile evolution under plunging and spilling breakers. *Journal of Waterway, Port, Coastal and Ocean Engineering*, ASCE, 129(1), 41-46.
- 26) **Wang, P.** and Kraus, N.C., 2004. Laboratory investigation of groin notching. *Journal of Coastal Research*, Special Issue 33, 342-367.
- 27) Li, C., **Wang, P. (corresponding author)**, and Fan, D., 2004. Open coast tidal flat deposits. In M. Schwartz, ed., *Encyclopedia of Coastal Science*, pp. 1206-1209.
- 28) **Wang, P.** and G.W. Stone, 2004. Nearshore wave measurement. In M. Schwartz, ed., *Encyclopedia of Coastal Science*, pp. 869-874.
- 29) **Wang, P.**, 2004. Nearshore sediment transport measurement. In M. Schwartz, ed., *Encyclopedia of Coastal Science*, pp. 866-869.
- 30) Fan, D., Li, C., and, **Wang, P.**, 2004. Influences of storm erosion/deposition on rhythmites of the late-Ordovician upper Wenchang formation around Tonglu, Zhejiang province, China. *Journal of Sedimentary Research*, 74, 527-536.
- 31) Stone, G.W., Baozhu, Liu, Pepper, D.A., **Wang, P.**, 2004. The importance of extratropical and tropical cyclones on the short-term evolution of barrier islands along the northern Gulf of Mexico, USA. *Marine Geology*, 210, 63-78.
- 32) Fan, D., Li, C., Wang, D., **Wang, P.**, Archer, A.W., and Greb, S.F., 2004. Morphology and sedimentation on open-coast intertidal flats of the Changjian Delta, China. *Journal of Coastal Research*, SI 43, 23-35.

- 33) **Wang, P.** and Kraus, N.C., 2005. Beach profile equilibrium and patterns of wave decay and energy dissipation across the surf zone elucidated in a large-scale laboratory experiment. *Journal of Coastal Research*, 21, 522-534.
- 34) **Wang, P.**, 2006. Measuring longshore sediment transport in a large-scale 3-dimensional laboratory facility. *Journal of Coastal Research*, Special Issue 39, 503-509.
- 35) Tidwell, D.K., and **Wang, P.**, 2006. Processes and patterns of sedimentation at Blind Pass, Florida. *Journal of Coastal Research*, Special Issue 39, 509-514.
- 36) **Wang, P.**, Kirby, J.H., Haber, J.D., Horwitz, M.H., Knorr, P.O., and Krock, J.R., 2006. Morphological and sedimentological impacts of hurricane ivan and immediate post-storm beach recovery along the northwestern Florida barrier-island coasts, *Journal of Coastal Research*, 22, 1382-1402.
- 37) Li, C., **Wang, P. (corresponding author)**, Fan, D., Yang, S., 2006. Characteristics and formation of Late Quaternary incised-valley-fill sequences in sediment-rich deltas and estuaries: case studies from China. *SEPM Special Publication No. 85*, 141-160.
- 38) Fan, D., Guo, Y., **Wang, P.**, and Shi, Z., 2006. Cross-shore variations in morphodynamic processes of an open-coast mudflat in the Changjiang Delta, China: with an emphasis on storm impacts. *Continental Shelf Research*, 26, 517-538.
- 39) Elko, N.A. and **Wang, P.**, 2007 Immediate profile and planform evolution of a beach nourishment project with hurricane influences. *Coastal Engineering*, 54, 54-79.
- 40) **Wang, P.** and Horwitz, M.H., 2007. Erosional and Depositional Characteristics of Regional Overwash Deposits Caused by Multiple Hurricanes. *Sedimentology*, 54, 545-564.
- 41) Claudino-Sales, V., **Wang, P. (corresponding author)** and Horwitz, M.H., 2008. Factors controlling the survival of coastal dunes during multiple hurricane impacts in 2004 and 2005: Santa Rosa barrier island, Florida. *Geomorphology*, 95, 295-315.
- 42) **Wang, P.**; Davis, R., Jr. Profundidade de fechamento e perfil de equilíbrio de praia - um estudo de caso em Sand Key, Florida, EUA. MERCATOR, 12, 132-157, dezembro 2007, Fortaleza, Brasil. ISSN: 1676-8329. (in Portuguese)
- 43) Foster, L.D., Shah, N., Ross, M., Ladde, G.S., **Wang, P.**, 2008. Using frequency analysis to determine wetland hydroperiod. *Neural, Parallel & Scientific Computations*, 16, 17-34.
- 44) Guha, S., Kruse, S., and **Wang, P.**, 2008. Joint Time-Frequency Analysis of Ground Penetrating Radar Data over Layered Sequences. *The Leading Edge*, 27, 1454-1460.
- 45) Smith, E.R., **Wang, P.**, Ebersole, B.A., and Zhang, J., 2009. Dependence of total longshore sediment transport rates on incident wave parameters and breaker type. *Journal of Coastal Research*, 25, 675-683.

- 46) **Wang, P.** Roberts, T.M., Horwitz, M.H. and Beck, T.M., 2009 (**Invited**). Recent studies at the Coastal Research Laboratory at the Department of Geology, University of South Florida. *Shore and Beach*, 77, 1-7.
- 47) Roberts, T.M., **Wang, P.**, Kraus, N.C., 2010. Limits of beach and dune erosion in response to wave runup from large-scale laboratory data. *Journal of Coastal Research*, 26, 184-198.
- 48) Claudino-Sales, V.; **Wang, P. (corresponding author)**, and Horwitz, M.H., 2010. Effect of Hurricane Ivan on coastal dunes of Santa Rosa Barrier Island, Florida: characterized on the basis of pre- and poststorm LIDAR surveys. *Journal of Coastal Research*, 26, 470-484.
- 49) Shi, J., Li, G.X. (corresponding author), and **Wang, P.**, 2011. Anthropogenic Influences on the Tidal Prism and Water Exchanges in Jiaozhou Bay, Qingdao, China. *Journal of Coastal Research*, 27, 57-72..
- 50) **Wang, P.**, Beck, T.M., and Roberts, T.M., 2011. Modeling regional-scale sediment transport and medium-term morphology change at a dual inlet system examined with the Coastal Modeling System (CMS): A case study at Johns Pass and Blind Pass, west-central Florida. *Journal of Coastal Research*, Special Issue 59, 49-60.
- 51) Zhang, J.C., Lu, X.Q., **Wang, P.**, Wang Y.P. 2011. Study on linear and nonlinear bottom friction parameterization for regional tidal models using data assimilation. *Continental Shelf Research*, 555-573.
- 52) **Wang, P.**, 2011. Principles of sediment transport applicable to tidal environments. In Davis, R.A. and Dalrymple R.A. (eds.) *Principles of Tidal Sedimentology*, Springer, 19-34.
- 53) Peterson, C. H., Felicia C. Coleman, Jeremy B.C. Jackson, R. Eugene Turner, Gilbert T. Rowe, Richard T. Barber, Karen A. Bjorndal, Robert S. Carney, Robert K. Cowen, Jonathan M. Hoekstra, James T. Hollibaugh, Shirley B. Laska, Richard A. Luettich Jr., Craig W. Osenberg, Stephen E. Roady, Stanley Senner, John M. Teal, and **Ping Wang (alphabetical author order after Rowe)** 2011. *A Once and Future Gulf of Mexico Ecosystem: Restoration Recommendations of an Expert Working Group*. Pew Environment Group. Washington, DC. 112 pp.
<http://www.pewenvironment.org/uploadedFiles/PEG/Publications/Report/Petersonetal-GOM-report.pdf>
- 54) **Wang, P.**, and Beck, T.M., 2012. Morphodynamics of an anthropogenically altered dual-inlet system: John's Pass and Blind Pass, west-central Florida, USA. *Marine Geology*, v. 291-294, 162-175. doi:10.1016/j.margeo.2011.06.001.
- 55) Zhang, J., **Wang P.**, and Hughes, J., 2012. EOF analysis of water level variations for micro-tidal and mangrove-covered Frog Creek System, West-central Florida. *Journal of Coastal Research*, 28, 1279-1288.

- 56) Puleo, J.A., Lanckriet, T.M., and **Wang, P.**, 2012. Near bed cross-shore velocity profiles, bed shear stress and friction on the foreshore of a microtidal beach. *Coastal Engineering*, 68, 6-16. doi:[10.1016/j.coastaleng.2012.04.007](https://doi.org/10.1016/j.coastaleng.2012.04.007)
- 57) **Roberts, T.M.** and **Wang, P.**, 2012. Four-year performance and associated controlling factors of several beach nourishment projects along three adjacent barrier islands, West-Central Florida, USA. *Coastal Engineering*, 70, 21-39.
- 58) McBride, R.A., Anderson, J.B., Wallace, D., Buynevich, I.V., Cleary, W., Fenster, M., Fitzgerald, D., Harris, M.S., Hein, C.J., Klein, A.H.F., Liu, B., de Menezes, J.T., Pejrup, M., Riggs, S.R., Short, A.D., Stone, G.W., **Wang, P.** (alphabetical author order after **McBride**), 2013. Morphodynamics of barrier systems: a synthesis. In: Shroder, J. (Editor in Chief), Sherman, D. (Eds.), *Treatise on Geomorphology*. Academic Press, San Diego, CA, vol. 10, Coastal and Submarine Geomorphology, pp. 166–244.
- 59) **Wang, P.** and **Roberts, T.M.**, 2013. Distribution of surficial and buried oil contaminants across sandy beaches along northwest Florida and Alabama coasts following the Deepwater Horizon oil spill in 2010. *Journal of Coastal Research*, 29 (6A), 144-155. doi: <http://dx.doi.org/10.2112/JCOASTRES-D-12-00198.1>
- 60) **Roberts, T.M.**, **Wang, P.**, Puleo, J.A., 2013. Storm-driven cyclic beach morphodynamics of a mixed sand and gravel beach along the Mid-Atlantic coast, USA. *Marine Geology*, 346, 403-421. <http://dx.doi.org/10.1016/j.margeo.2013.08.001>
- 61) **Brutsche, K.E.**, **Wang, P.**, **Beck, T.M.**, Rosati, J.D., and Legault, K.R., 2014. Morphological evolution of a submerged artificial nearshore berm along a low-wave microtidal coast, Fort Myers Beach, West-central Florida, USA. *Coastal Engineering*, 91, 29-44. <http://dx.doi.org/10.1016/j.coastaleng.2014.04.010>
- 62) **Wang, P.** and **Roberts, T.M.**, 2014. Storm-Induced Morphology Changes along Barrier Islands and Post Storm Recovery. In: Ellis J. and Sherman, D. (Eds.), *Sea & Ocean Hazards, Risks and Disasters*, Elsevier.
- 63) **Brutsche, K.E.**, **Wang, P.**, Rosati, J.D., and **Beck, T.M.**, 2014. Influence of berm elevation on the performance of beach-nearshore nourishment: a case study at Perdido Key, Florida, USA. *Journal of Coastal Research*, , doi: [10.2112/JCOASTRES-D-14-00087.1](https://doi.org/10.2112/JCOASTRES-D-14-00087.1).
- 64) **Cheng, J.**, **Wang, P.**, and Smith, R.E., 2015. Hydrodynamic conditions associated with an onshore migrating and stable sandbar. *Journal of Coastal Research*, 32, 153-163. DOI:10.2112/JCOASTRES-D-14-00174.1.
- 65) **Cheng, J.** and **Wang, P.**, 2015. Extracting turbulence under breaking waves in the surf zone. *ASCE Journal of Waterway, Port, Coastal, and Ocean Engineering*, 141(6), 1-10.
- 66) Nation, M.T., Feldman, A., and Wang, P., 2015. A Rising Tide. *The Science Teacher*, 82.

- 67) **Wang, P.** and Cheng, J., 2017. Storm Impacts on the Morphology and Sedimentology of Open-Coast Tidal Flats. In: Ciavola P. and Coco G. (Eds.), *Coastal Storms: From Forecasting to Prediction*, Willey, 81-98.
- 68) **Wang, P.**, and **Beck, T.M.**, 2016. Determining dredge-induced turbidity and sediment plume settling within an Intracoastal Waterway System. *Journal of Coastal Research*, doi:10.2112/JCOASTRES-D-16-00083.1.
- 69) **Zhang, J.**, **Chu, D.**, **Wang, P.**, **Hughes, J.**, and **Cheng, J.**, 2016. Hydrodynamic modelling of salinity variations in a semi-engineered mangrove wetland: The microtidal Frog Creek System, Florida. In Tessier, B., Reynaud, J-Y. (eds.), *Contributions to Modern and Ancient Tidal Sedimentology*, Special Publication Number 47 of the International Association of Sedimentologists, 5-20.
- 70) **Cheng, J.**, **Wang, P.**, and **Guo, Q.**, 2016. Measuring beach profiles along a low-wave energy microtidal coast, west-central Florida, USA. *Geosciences*, 6(4), 44-51.
- 71) **Claudino-Sales, V.**, **Wang, P.**, and **Carvalho, A. M.**, 2017. Interactions between various headlands, beaches and dunes along the coast of Ceara State, Northeast Brazil. *Journal of Coastal Research*, in press.
- 72) **Wang, P.**, **Congxin Li**, **Fan, D.** and **J. Cheng**, 2017. Open coast tidal flat deposits. In C. Finkl, ed., *Encyclopedia of Coastal Science*, 2nd Edition, in press.
- 73) **Wang, P.**, **G.W. Stone**, and **J. Cheng**, 2017. Nearshore wave measurement. In C. Finkl, ed., *Encyclopedia of Coastal Science*, 2nd Edition, in press.
- 74) **Wang, P.**, 2017. Nearshore sediment transport measurement. In C. Finkl, ed., *Encyclopedia of Coastal Science*, 2nd Edition, in press.
- 75) **Cheng, J.** and **Wang, P.**, 2018. Dynamic equilibrium of sandbar position and height along a low wave energy micro-tidal coast, *Continental Shelf Research*, 165, 120-136.

Edited Conference Proceedings (listed from the earliest to the latest):

Students (with me serving as the major professor) and supervised post-doc researcher underlined

- 1) **Wang, P.** and **Davis, R.A. Jr.**, 1994. Field measurement of longshore sediment transport in the surf zone: Preliminary results. *Proceedings of 1994 National Conference on Beach Preservation Technology*, Florida Shore and Beach Preservation Association, Tallahassee, 413-428.
- 2) **Davis R.A., Jr.**, and **Wang, P.**, 1997. Hurricane Opal induced changes on natural and nourished beaches, west-central Florida. *Proceedings of 25th International Conference on Coastal Engineering*, ASCE, New York, 2982-2993.

- 3) **Wang, P.** and Davis, R.A., Jr., 1997. A beach profile model for barred coast: with a case study from Sand Key, west-central Florida. *Proceedings of 1996 National Conference on Beach Preservation Technology*, Florida Shore and Beach Preservation Association, Tallahassee, 320-335.
- 4) **Wang, P.** and Kraus, N.C., 1999. Longshore sediment transport rate measured by short-term impoundment and quantification of uncertainties. *Proceedings of Coastal Sediments '99*, ASCE, 770-785.
- 5) Stone, G.W. and **Wang P.**, 1999. Unanticipated nearshore response to detached, segmented breakwaters along Raccoon Island, Louisiana, U.S.A. *Proceedings of Coastal Sediments '99*, ASCE, 2057-2072.
- 6) Stone, G.W. and **Wang P.**, 1999. The importance of cyclogenesis on the short-term evolution of Gulf coast barriers. *Transactions, Gulf Coast Association of Geological Society*, XLIX, 478-486.
- 7) Pepper, D.A., Stone, G.W., and **Wang, P.**, 1999. Bottom boundary layer parameters and sediment transport on the Louisiana inner-shelf during cold front passages. *Transactions, Gulf Coast Association of Geological Society*, XLIX, 433-439.
- 8) Smith, E.R., and **Wang, P.**, 2001. Longshore sediment transport as a function of energy dissipation. *Proceedings of Waves2001: the 4th International Symposium on Ocean Wave Measurements and Analysis*, ASCE Press, 810-820.
- 9) **Wang, P.**, Ebersole, B.A., Smith, E.R., and Johnson, B.D., 2003. Temporal and spatial variations of surf-zone currents and suspended-sediment concentration. *Proceedings of Coastal Sediments '03*, ASCE.
- 10) Smith, E.R., **Wang, P.**, and Zhang, J., 2003. Evaluation of the CERC formula using large-scale laboratory data. *Proceedings of Coastal Sediments '03*, ASCE.
- 11) **Tidwell, D.K.**, **Wang, P.**, Davis, R.A., Vinther, N., and **Elko, N.A.**, Hydrodynamics and sediment pathways at Blind Pass, Florida. *Proceedings of Coastal Sediments '03*, ASCE.
- 12) Wilhoit, J. C., Davis, R. A., and **Wang, P.**, 2003, Hydrodynamic and geomorphic characteristics of a natural tide-dominated inlet; a case study at Bunces Pass, Florida,. *Proceedings of Coastal Sediments '03*, ASCE.
- 13) **Horwitz, M.H.** and **Wang, P.**, 2005, Sedimentological characteristics and internal architecture of two overwash fans from Hurricanes Ivan and Jeanne. *Transactions Gulf Coast Association of Geological Society*.
- 14) O'Neal-Caldwell, M., **Wang, P.**, **Horwitz, M.H.**, **Kirby, J.H.**, and Guha, S., 2005, Regional overwash from hurricanes Frances-Jeanne and Ivan. *Transactions Gulf Coast Association of Geologic Societies*.

- 15) Guha, S., Kruse, S., **Wang, P.**, and Conor, C., 2006. Time-frequency representation of GPR signals from coastal and volcanic deposits. *Proceedings of 11th International Conference on Ground Penetrating Radar*.
- 16) **Wang, P.**, Tidwell, D.K., Beck, T.M., and Kraus, N.C., 2007. Sedimentation patterns in a stabilized migratory inlet, Blind Pass, Florida. *Proceedings of Coastal Sediments07*. ASCE Press, 1377-1390.
- 17) Davis, R.A. **Wang, P.**, and Beck, T.M., 2007. Natural and anthropogenic influences on the morphodynamics of Big Sarasota Pass, Florida. *Proceedings of Coastal Sediments07*. ASCE Press, 1582-1588.
- 18) Roberts, T.M. **Wang, P.**, and Kraus, N.C., 2007. Limits of beach and dune erosion in response to wave runup elucidated from SUPERTANK. *Proceedings of Coastal Sediments07*. ASCE Press, 1961-1974.
- 19) Horwitz, M.H. and **Wang, P.**, 2007. Sedimentological characteristics of regional-scale washover deposits caused by Hurricane Ivan. *Proceedings of Coastal Sediments07*. ASCE Press, 1047-1060.
- 20) Elko, N.A. and **Wang, P.**, 2007. Temporal and Spatial scales of profile and planform adjustment on a nourished beach. *Proceedings of Coastal Sediments07*. ASCE Press, 378-391.
- 21) Gravens, M.B., Wang, P., Kraus, N.C., and Hanson, H., 2007. Physical model investigation of morphology development at headland structures. *Coastal Engineering 2006: Proceedings of the 30th International Conference*. World Scientific Publishing Company.
- 22) **Wang, P.**, Roberts, T.M., Elko, N.A., and Beck, T.M., 2008. Factors controlling the first year performance of eight beach nourishment project, west-central Florida, USA. *Coastal Engineering 2008: Proceedings of the 31st International Conference*. World Scientific Publishing Company.
- 23) **Wang, P.**, Elko, N.A., and Roberts, T.M., 2009. Profile equilibration and longshore spreading associated with beach nourishment: a case study along west-central Florida coast. *Proceedings of Coastal Dynamics 2009*. World Scientific Publishing Company.
- 24) Roberts, T.M., **Wang, P.**, and Elko, N.A., 2009. Physical performance of beach nourishment projects along a microtidal low-energy coast, west-central Florida, USA. *Proceedings of Coastal Dynamics 2009*. World Scientific Publishing Company.
- 25) Beck, T.M., and **Wang, P.**, 2009. Influences of channel dredging on flow and sedimentation patterns at microtidal inlets, west-central Florida, USA. *Proceedings of Coastal Dynamics 2009*. World Scientific Publishing Company.

- 26) **Wang, P.**, Roberts, T.M., Dabees M., and Mark H. Horwitz, 2011. Beach changes associated with active 2009-2010 El Niño winter along the west-central Florida barrier islands. *Proceedings of Coastal Sediments 2011*. World Scientific Publishing Company.
- 27) Roberts, T.M., and **Wang, P.**, 2011. Profile change and post-storm recovery of Delaware beaches resulting from three consecutive storms in 2009. *Proceedings of Coastal Sediment 2011*. World Scientific Publishing Company.
- 28) **Wang, P.**, Cheng, J., Horwitz, M.H., and Legault, K.R., 2015. Comparing two numerical models in simulating hydrodynamics and sediment transport at a dual inlet system, west-central Florida. *Proceedings of Coastal Sediments 2015*. World Scientific Publishing Company.
- 29) Brutsché, K.E., **Wang, P.**, Rosati, J.D., Pollock, C.E., 2015. Engineering with nature: nearshore berm placements at Fort Myers Beach and Perdido Key, Florida, USA. *Proceedings of Coastal Sediments 2015*. World Scientific Publishing Company.
- 30) Cheng, J., and **Wang, P.**, 2015. Measuring and modeling beach-profile response to Tropical Storm Debby, west central Florida. *Proceedings of Coastal Sediments 2015*. World Scientific Publishing Company.
- 31) Rahman, R., Jayaratne, R., Tejada-Martinez, A.E., and **Wang, P.**, 2015. Numerical investigation of beach profile evolution using a new sediment concentration model. *Proceedings of Coastal Sediments 2015*. World Scientific Publishing Company.

Technical Reports (listed from the earliest to the latest):

- Wang, P.**, Kraus, N.C., and Heilman, D.J., 1996. Wind-Blown Sand at Packery Channel. *Progress Report*, Conrad Blucher Institute of Surveying and Science, Texas A&M University-Corpus Christi, TX.
- Wang, P.**, Kling, J.A., and Davis, R.A., Jr., 1996. Regional Wave Analysis at Egmont Ebb-Tidal Shoal and Surrounding Areas Using RCPWAVE. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.
- Stone, G.W., **Wang, P.**, and Zhang, X., 1998. Wave Height Measurements at the Raccoon Island Breakwaters Demonstration Projection (TE-29): *Technical Report*, Coastal Studies Institute, Louisiana State University, Baton Rouge, LA.
- Stone, G.W., **Wang, P.**, and Zhang, X., 1999. Wave Height Measurements At The Lake Salvador Shoreline Protection Demonstration Project (Ba-15): *Technical Report*, Coastal Studies Institute, Louisiana State University, Baton Rouge, LA.
- (peer-reviewed) Wang, P.**, Ebersole, B.A., and Smith, E.R., 2002. Longshore Sand Transport – Initial Results from the Large-Scale Sediment Transport Facility. *ERDC/CHL CHETN-II-46*, March 2002, U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi.

(peer-reviewed) Hamilton, D.G., Bruce, E.A., Smith, E.R., and **Wang, P.**, 2001. Development of A Large-Scale Laboratory Facility for Sediment Transport Research. *Technical Report*, ERDC/CHL TR-01-22, U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi, 158p.

Wang, P., 2003. Beach Performance for Treasure Island, Pinellas County, Florida. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

(peer-reviewed) Smith, E.R., Ebersole, B.A., and **Wang, P.**, 2004. Dependence of total longshore sediment transport rates on incident wave parameters and breaker type. *ERDC/CHL CHETN-II-46*, March 2002, U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi

Wang, P., 2004. Bathymetric Survey at Upper Peace River, Shell Creek, and Dona-Roberts Bay *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

Wang, P., 2005. Bathymetric and Shoreline Survey at Weeki Wachee River. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

Wang, P., 2005. Bathymetric and Shoreline Survey at Anclote River and Little Manatee River. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

Wang, P., 2006. Bathymetric and Shoreline Survey at Withlacoochee River. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

(peer-reviewed) Gravens, M.B. and **Wang, P.**, 2007. Data Report: laboratory Testing of Longshore Sand Transport by Waves and Currents; Morphology Change Behind Headland Structures. *ERDC/CHL TR-07-8*, August 2007, U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi.

Wang, P. and Roberts, T.M., 2007. Performance of Upham Beach T-groin Project and Its Impact to the Downdrift Beach. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

Wang, P. and Roberts, T.M., 2008. Performance of Upham Beach T-groin Project and Its Impact to the Downdrift Beach. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

Wang, P., 2008. Bathymetric and Shoreline Survey at Cotee River. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

Wang, P. and Roberts, T.M., 2009. Performance of Upham Beach T-groin Project and Its Impact to the Downdrift Beach. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

(peer-reviewed) Beck, T.M., **Wang, P.** and Kraus, N.C., 2009. Influences of Channel Dredging on Flow and Sedimentation Patterns at Microtidal Inlets, West-Central Florida, USA. *CIRP Publications on CMS Topics*: <http://cirp.wes.army.mil/wiki/Publications>.

Wang, P. and Roberts, T.M., 2010. Performance of Upham Beach T-groin Project and Its Impact to the Downdrift Beach. *Technical Report*, Coastal Research Laboratory, Department of Geology, University of South Florida, Tampa, FL.

(peer-reviewed) Brutsche K. and **Wang, P.**, 2012. First Year Morphological Evolution of an Artificial Berm at Fort Myers Beach, Florida. ERDC/CHL CHETN-II-54, pp. 10.

(peer-reviewed) **Wang, P.**, Brutsche, K.E., Lagrone, J.W., Beck, T.M., Rosati, J.D., and Lillycrop, L.A., 2013. Performance Monitoring of a Nearshore Berm at Ft. Myers Beach, Florida: Final Report. ERDC/CHL TR-13-11, pp. 203.

(peer-reviewed) **Wang, P.**, Brutsche, K.E., Beck, T.M., Rosati, J.D., and Lillycrop, L.A., 2013. Initial Morphologic Evolution of Perdido Key Berm Nourishment, Florida. ERDC/CHL CHETN-IV-X, pp. 10.

Field Trip Guides:

Davis R.A., Jr., and **Wang, P.**, 2003. Drumstick Barriers of the West-central Gulf Coast. For *International Conference on Coastal Sediments '03*.

Davis R.A., Jr., and **Wang, P.**, 2003. Developed Coast of Pinellas County, Florida. For *University of South Florida, Geology Summer Field Camp*.

Davis R.A., Jr., and **Wang, P.**, 2003. Geology and Morphodynamics Of Caladesi and Honeymoon Islands, Florida. For *University of South Florida, Geology Summer Field Camp*.

Wang, P. and Kirby J.H., 2005. Multiple Hurricane Impact along the Florida Panhandle Barrier-island Coast. For *class field trip: GLY 3552, GLY 6739*.

Roberts, T., **Wang P.**, and Beck, T., 2008. Geology, Sedimentary Processes and Depositional Environments of South Florida: Field Trip Guidebook. For *class field trip: GLY 4554..*

GRANTS AND CONTRACTS:

Total: ~\$5,000,000
Federal Support: ~\$2,300,000

1) PI (**Wang**)

Title: Numerical Modeling of Circulation Pattern within the Fort De Soto Park Bay
Agency: Pinellas County, Florida (RESTORE fund)
Dates: 2019-2021
Funded amount: \$109,375

2) PI (**Wang**)

Title: Influences of Storm Surge on the Determination and Applications of Closure Depth
Agency: United States Coastal Research Program
Dates: 2019-2020
Funded amount: \$49,845

3) PI (**Wang**)

Title: Physical Monitoring of the Sand Key and Treasure Island/Long Key Nourishment Projects
Agency: Pinellas County, Florida
Dates: 2018-2023
Funded amount: \$393,325

4) PI (**Wang**)

Title: RAPID: 2018 Hurricane Season: Sedimentological and Morphological Characteristics of Hurricane Michael Induced Storm Deposits in Apalachicola Bay
Agency: National Science Foundation
Dates: 2018-2019
Funded amount: \$39,107

5) PI (**Wang**)

Title: Support of Backbarrier Shoreline Change Research
Agency: United States Geological Survey
Dates: 2016-2018
Funded amount: \$99,073

6) PI (**Wang**)

Title: Investigating Beach Changes Associated with Post-nourishment Profile Equilibration on Turtle Nesting
Agency: U.S. Fish and Wildlife Service
Dates: 2017-2022
Funded amount: \$63,960

- 7) PI (**Wang**)
Title: Topographic Survey for Four Coastal Marsh/Mangrove Sites around Tampa Bay
Agency: Florida Fish & Wildlife Conservation Commission
Dates: 2016-2017
Funded amount: \$9,900
- 8) PI (**Wang**)
Title: Beach Management Plan for the City of Treasure Island
Agency: City of Treasure Island, FL
Dates: 2016-2017
Funded amount: \$20,000
- 9) PI (**Wang**)
Title: Inlet Management Study for Pass-a-Grille Inlet and Bounces Pass, Pinellas County, Florida
Agency: Pinellas County and Florida Department of Environmental Protection
Dates: 2016-2018
Funded amount: \$186,555
- 10) PI (**Wang**)
Title: Shoreline Mapping and Bathymetry Survey Project for the Homosassa River Headspring and Mason Creek
Agency: Southwest Florida Water Management District
Dates: 2014-2015
Funded amount: \$5,601
- 11) PI (**Wang**)
Title: Inlet Management Study for John's Pass and Blind Pass, Pinellas County, Florida
Agency: Florida Department of Environmental Protection
Dates: 2014-2015
Funded amount: \$198,796
- 12) Co-PI (Wang, with Glenn Smith (PI), Allan Feldman, and Yiping Lou)
Title: Climate Change Narrative Game Education (CHANGE)
Agency: National Science Foundation
Dates: 2013-2017
Funded amount: \$449,972
- 13) PI (**Wang**)
Title: Mapping Surveys to Evaluate Storm Effects on Pinellas County Beaches.
Agency: Pinellas County, Florida
Dates: 2014-2016
Funded amount: \$55,000

14) PI (**Wang**)

Title: Shoreline Mapping and Bathymetry Survey Project for the Rainbow River System

Agency: Southwest Florida Water Management District

Dates: 2013-2014

Funded amount: \$24,203

15) PI (**Wang**)

Title: Surveys at Upham Beach T-groin project 2013-2014.

Agency: Pinellas County, Florida

Dates: 2013-2014

Funded amount: \$16,464

16) PI (**Wang**)

Title: Shoreline Mapping and Bathymetry Survey Project for the Bullfrog Creek System

Agency: Southwest Florida Water Management District

Dates: 2013-2013

Funded amount: \$17,900

17) PI (**Wang**)

Title: Physical Monitoring of the Sand Key and Treasure Island/Long Key Nourishment Projects

Agency: Pinellas County, Florida

Dates: 2013-2018

Funded amount: \$352,660

18) PI (**Wang**)

Title: Collaborative Research: Bringing Problem Solving in the Field into the Classroom:
Developing and Assessing Virtual Field Trips for Teaching Sedimentary and Introductory
Geology

Collaborated with Hillsborough Community College (Dr. Marianne Caldwell)

Agency: National Science Foundation

Dates: 2011-2014

Funded amount: \$229,785 (USF portion: 187,554)

19) PI (**Wang**)

Title: Shoreline Mapping and Bathymetry Survey Project for the Charlotte Harbor, Lower Peace
River and Lower Myakka River System

Agency: Southwest Florida Water Management District

Dates: 2011-2012

Funded amount: \$92,831

20) PI (**Wang**)

Title: Morphodynamics of Nearshore Berms and Associated Tidal Inlet Processes

Agency: U.S. Army Engineer Research and Development Center (ERDC)

Dates: 2011-2014

Funded amount: \$490,838

- 21) PI (**Wang**)
Title: RAPID: Emergency Field Investigation of Oil-Beach Interaction along the Alabama and Florida Beaches Following the BP Deepwater Horizon Oil Spill
Agency: National Science Foundation
Dates: 2010-2011
Funded amount: \$44,632
- 22) PI (**Wang**)
Title: Physical Monitoring of the Sand Key and Treasure Island/Long Key Nourishment Projects
Agency: Pinellas County, Florida
Dates: 2010-2013
Funded amount: \$141,064
- 23) PI (**Wang**)
Title: Periodic Shoreline and Vegetation-line Studies Evaluating Storm Effects and Seasonal Variations of Pinellas County Gulf Beaches
Agency: Pinellas County
Dates: 2010-2013
Funded amount: \$36,000
- 24) PI (**Wang**)
Title: Additional Surveys at Upham Beach T-Groin Project Area for the Monitoring of the 2010 Repair and Beach Nourishment
Agency: Pinellas County
Dates: 2010-2013
Funded amount: \$44,592
- 25) PI (**Wang**)
Title: Modeling Coastal Processes at John's Pass and Blind Pass and Adjacent Beaches
Agency: Pinellas County, Florida
Dates: 2008-2010
Funded amount: \$82,735
- 26) PI (**Wang**)
Title: Physical Monitoring of the Sand Key and Treasure Island/Long Key Nourishment Projects
Agency: Pinellas County, Florida
Dates: 2006-2011
Funded amount: \$376,908
- 27) PI (**Wang**)
Title: Modeling Medium-Term Morphology Change at Blind Pass, Florida
Agency: U.S. Army Engineer Research and Development Center
Dates: 2007-2009
Funded amount: \$190,000

28) PI (**Wang**)

Title: Response of the Frog Creek System to Constructed Offline Intertidal Lagoons

Agency: U.S. Geological Survey

Dates: 2009-2010

Funded amount: \$25,000

29) PI (**Wang**)

Title: Periodic Shoreline and Vegetation-line Studies Evaluating Storm Effects and Seasonal Variations of Pinellas County Gulf Beaches

Agency: Pinellas County

Dates: 2008-2011

Funded amount: \$36,000

30) PI (**Wang**)

Title: Shoreline and Bathymetry Study at Hillsborough River, Florida

Agency: Southwest Florida Water Management District

Dates: 2008-2009

Funded amount: \$28,498

31) PI (**Wang**)

Title: Shoreline and Bathymetry Study at Cotte River, Florida

Agency: Southwest Florida Water Management District

Dates: 2007-2008

Funded amount: \$36,634

32) PI (**Wang**)

Title: Assessing Petroleum Hydrocarbon Contamination at Blind Pass, Florida

Agency: Collaborative research among NOAA, USACE, and Pinellas County, Florida

Dates: 2006-2008

Funded amount: \$119,770 (USF portion; ~\$500,000 total)

33) PI (**Wang**)

Title: Shoreline and Bathymetry Study at Homosassa River, Florida

Agency: Southwest Florida Water Management District

Dates: 2006-2007

Funded amount: \$39,065

34) CO-PI (**Wang** and Davis)

Title: Sarasota County Comprehensive Inlet Management Program Big Sarasota Pass and New Pass

Agency: Sarasota County, Florida

Dates: 2005-2007

Funded amount: \$114,800

- 35) PI (**Wang**)
Title: Shoreline and Bathymetry Study at Manatee River and Chassawihzika River, Florida
Agency: Southwest Florida Water Management District
Dates: 2005-2006
Funded amount: \$56,611
- 36) PI (**Wang**)
Title: Sedimentary characteristics and stratigraphy at Dona-Roberts Bay, Florida
Agency: Mote Marine Laboratory and Satasota County
Dates: 2005-2006
Funded amount: \$19,920
- 37) PI (**Wang**)
Title: SERG: Morphological Impacts and Post-storm Recovery of Hurricanes Charley, Frances, Ivan, and Jeanne, Florida Gulf Coast
Agency: National Science Foundation
Dates: 2004-2005
Funded amount: \$13,900
- 38) PI (**Wang**)
Title: Shoreline and Bathymetry Study at Anclote River, Little Manatee River, and Weeki Wachee River, Florida
Agency: Southwest Florida Water Management District
Dates: 2004-2006
Funded amount: \$70,611
- 39) PI (**Wang**)
Title: Performance Monitoring of Treasure Island Beach
Agency: Pinellas County, Florida
Dates: 2005
Funded amount: \$5,000
- 40) PI (**Wang**)
Title: Shoreline and Bathymetry Study at Withlacoochee River, Florida
Agency: Southwest Florida Water Management District
Dates: 2005
Funded amount: \$27,879
- 41) PI (**Wang**)
Title: Shoreline Study for Evaluating Storm Effect on Pinellas County Gulf Beaches
Agency: Pinellas County, Florida
Dates: 2004-2007
Funded amount: \$48,237

- 42) PI (**Wang**)
 Title: Performance Monitoring of Upham Beach Nourishment during the First Six Months, Florida
 Agency: Pinellas County, Florida
 Dates: 2004
 Funded amount: \$58,577
- 43) PI (**Wang**)
 Title: Performance Monitoring of Pass-A-Grille Beach Nourishment, Florida
 Agency: Pinellas County, Florida
 Dates: 2004-2005
 Funded amount: \$11,218
- 44) PI (**Wang**)
 Title: Shoreline and Bathymetry Study at Peace River, Shell Creek, and Dona-Roberts Bay, Florida
 Agency: Southwest Florida Water Management District
 Dates: 2004-2005
 Funded amount: \$37,698
- 45) CO-PI (**Wang** and Davis)
 Title: Evaluating Storm Effect on Pinellas County Gulf Beaches
 Agency: Pinellas County, Florida
 Dates: 2003-2008
 Funded amount: \$26,800
- 46) PI (**Wang**)
 Title: A Field Study on Sediment Budget and Inlet Processes at Blind Pass, Florida
 Agency: U.S. Army Engineer Research and Development Center
 Dates: 2002-2004
 Funded amount: \$71,800
- 47) PI (**Wang**)
 Title: Laboratory Study on Longshore Sediment Transport Processes at the Large-scale Sediment Transport Facility (LSTF)
 Agency: U.S. Army Engineer Research and Development Center
 Dates: 2001-2004
 Funded amount: \$184,000
- 48) PI (**Wang**)
 Title: A Collaborative Study on Hydrodynamics and Sediment Processes at a Laboratory Idealized Tidal Inlet
 Agency: U.S. Army Engineer Research and Development Center
 Dates: 2002-2003
 Funded amount: \$29,000

- 49) PI (**Wang**)
Title: Beach Dynamics and Shoreline Management Study for Treasure Island, Pinellas County, Florida
Agency: Pinellas County, Florida
Dates: 2003-2004
Funded amount: \$9,800
- 50) PI (**Wang**)
Title: Investigation of Beach Erosion Processes at Upham Beach, Pinellas County, Florida
Agency: Pinellas County, Florida
Dates: 2003-2004
Funded amount: \$5,500
- 51) PI (**Wang**)
Title: Shoreline and Bathymetry Study at Charlotte Harbor, Florida
Agency: Southwest Florida Water Management District
Dates: 2003-2004
Funded amount: \$38,900
- 52) CO-PI (Davis and **Wang**)
Title: Historical Investigation of the Dynamics of Big Sarasota Pass, Florida
Agency: Sarasota County, Florida
Dates: 2003-2004
Funded amount: \$21,900
- 53) PI (**Wang**)
Title: Beach Dynamics and Sediment Budget for Treasure Island, Pinellas County, Florida
Agency: Pinellas County, Florida
Dates: 1998-2003
Funded amount: \$10,000
- 54) PI (**Wang**, Stone, and Rouse)
Title: Study of Longshore Sediment Transport Using the New Large-Scale Laboratory Facility
Agency: Louisiana Sea Grant College Program
Dates: 2000-2002
Funded amount: \$124,000
- 55) PI (**Wang**)
Title: Laboratory Study on Groin Notching
Agency: U.S. Army Engineer Research and Development Center
Dates: 1999-2002
Funded amount: \$20,000

56) Co-PI (Stone (PI) and **Wang**)

Title: Supplemental Beach, Nearshore, and Wave-Current Monitoring due to Unanticipated Coastal Response

Agency: Louisiana Department of Natural Resources

Dates: 2000 - 2001

57) Co-PI (Stone (PI) and **Wang**)

Title: A Continuous Monitoring Shallow Water Hydrodynamic and Meteorological Station Designed for National Park Service

Agency: National Park Service

Dates: 1997 – 2000