

CURRICULUM VITAE

Joseph F. Donoghue
Planetary Sciences Program
Department of Physics
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Education

B.S., Princeton University, Princeton, New Jersey
M.S., American University, Washington, D.C.
Ph.D., University of Southern California, Los Angeles, California

Research Interests: sedimentary processes, environmental geology, causes and effects of climate change and sea-level rise, geology and geomorphology of coastal and aquatic environments, Quaternary geology and geochronology, contaminants in sediments.

Professional Organizations: Society for Sedimentary Geology (SEPM), American Geophysical Union, Geological Society of America, National Association of Geology Teachers, Sigma Xi, American Quaternary Association.

Academic Honors and Awards: Smithsonian Fellowship, Oakley Fellowship, Sea Grant Internship.

Professional Experience

Associate Professor, Department of Physics, University of Central Florida, 2015-present.

Associate Professor, School of Geology, Oklahoma State University, 2012- 2015.

Assistant to Associate Professor, Department of Geology, Florida State University, 1983-2012.

Certified Professional Geologist, State of Florida (Florida P.G. No. 846).

Visiting Scientist, University of Groningen, Netherlands (sabbatical, 1990; summers 1995-2000).

Research Associate, Florida Geological Survey, 1993-2012.

Courtesy Professor, Department of Oceanography, Florida State University, 1990-2012.

Post-Doctoral Fellow, U.S. Advisory Comm. on Reactor Safeguards, Washington, D.C., 1982-83.

Sea Grant Intern and Research Assistant, Dept. Geology, Univ. Southern California, 1980-81.

Smithsonian Pre-Doctoral Fellow, National Museum of Natural History, Washington, DC, 1979-80.

Oakley Pre-Doctoral Fellow, University of Southern California, 1976-78.

TEACHING

Graduate Courses

UCF:

Marine Geology (GLY 5736)

OSU:

Marine Geology

Quaternary Geology and Geochronology

FSU:

Marine Geology

Coastal Geology

Quaternary Geology

Advanced Topics in Sedimentology and Stratigraphy

Transitional Sedimentary Environments

Environmental Geology

Supervisor for 7 Ph.D dissertations (1 OSU; 6 FSU) and 18 M.S. theses (1 UCF; 2 OSU; 15 FSU)

Service on 40 Ph.D. committees (1 OSU; 39 FSU) and 37 M.S. committees (1 UCF; 9 OSU; 27 FSU)

Undergraduate Courses

UCF:

Physics of Energy, Climate Change and the Environment (PHY 1038)

Environmental Geoscience (GLY 2038)

Marine Geology (GLY 4730)

OSU:

Marine Geology

Stratigraphy and Sedimentology

Geology and Human Affairs

FSU:

Marine Geology

Sedimentology

Sedimentation and Stratigraphy

Laboratory Methods in Sedimentology

Stratigraphy

Environmental Geology

Environmental Issues in Geology

Supervisor for 3 B.S. honors theses (FSU), and several undergraduate research projects (UCF, OSU)

SERVICE

University Service

Physics Graduate and Curriculum and Affairs Committee (2017-present)

Physics Bylaws Revision Committee: (2016-present)

Adviser, UCF Geosciences Minor (2018 – present)

Chair, committee to develop new UCF PhD program in Sustainable Coastal Systems (2018 – present)

Member, UCF National Center for Integrated Coastal Research (2017- present)

Faculty Advisor, UCF campus chapter of Habitat for Humanity (2016).

OSUTeach Advisory Committee (developed policy and courses of study for the STEM teacher preparation program, including new degree plans in Geology and other sciences) (2013-present)

Steering Committee, OSU Environmental Science Graduate Program (committee advised ESGP and evaluates graduate applicants) (2014-2015)

OSU Geology Student Enrichment Fund Committee (2012-2013)

OSU Geology Personnel Committee (2012-2015)

OSU Geology Prelim Exam Committee (2012-2015)

FSU Student Organization Advisor of the Year Award (2011).

Chair, Ph.D. Program Review Committee, Civil Engineering Department, FSU Faculty Senate Graduate Policy Committee (2011).

Steering Committee, FSU Bryan Hall Living-Learning Community (2001-2012).

Co-chair, *ad hoc* committee to develop MMS-funded FSU Coastal Marine Institute (2000-2010).

FSU Academic Diving Program Control Board (1987-2009) (chair 1992-95).

Co-organizer, FSU Habitat for Humanity Campus Chapter 5K Run (FSU Habitat fundraiser) (twice annually in fall and spring, 2001-2012).

FSU Service Advisor of the Year Award (2007).

Chair, Ph.D. Program Review Committee, Geography Department, FSU Faculty Senate Graduate Policy Committee (2006).

Ph.D. Program Review Committee, Civil and Environmental Engineering Department, FSU Faculty Senate Graduate Policy Committee, (2004).

FSU College of Arts and Sciences Secondary Science and Mathematics Teaching Advisory Committee (1996-2006).

Student Leadership Awards Selection Committee (2001).

FSU Student Organization Advisor of the Year Award (2000).

Science Education Advisory Committee, FSU College of Education (1987-2000).

FSU Martin Luther King Day Planning Committee (1999).

Search Committee, FSU Outdoor Pursuits Program (1999).

Co-coordinator, ocean science curriculum module for National Science Foundation/American Geological Institute "Investigating Earth Systems" curriculum project (with G. Dawson, FSU College of Education). (1996-98).

Search Committee, FSU Science Librarian (1996-97).

FSU Marine Lab *ad hoc* committee for the purchase of a new research vessel (1994-1996).

FSU Marine Laboratory Advisory Board (1990-1995).

FSU Faculty Senate Graduate Policy Committee (GPC) (1991-1995).

Leon County Elementary Science Curriculum Project (1993-1995), content advisor.

Leon County Secondary School Science Fair judge (1984-1995).

NSF course development committee (1991-94), chair of interdepartmental committee to develop integrated earth science course for prospective teachers.

Ph.D. Program Review Committee, Interdivisional Program in Marriage and Family, FSU Faculty Senate Graduate Policy Committee (1993).

Leon County Middle School Science Mentorship Program (1990-93), faculty sponsor for student research projects.

FSU Society of Sigma Xi, Fisher Award Committee (1988-1991), chair (co-chair, 1991).

Search Committee, FSU College of Education, Science Education Faculty (1990).

FSU Summer Science and Mathematics Camp (1985-1990), faculty sponsor/advisor for student research projects.

FSU Interactive Media Science Project (1988-1995), geology content advisor.

Office of Science Teaching Activities Advisory Committee, FSU (1983-1990).

University Library Committee (1983-86).

Departmental committee to revise MS course curriculum (2008).

Departmental committee to develop Environmental Geology B.S. and B.A. curricula (2003-2004).

Departmental Brown Bag Colloquium organizer (2001-2004).

Developed BS thesis option (2 new courses) for Geology undergraduates (2002).

Departmental Awards Committee (1997-1998).

Departmental Graduate Admissions Committee (1997-1998).

Departmental Undergraduate Curriculum Committee (1995-1997).

Departmental Graduate Review Committee (1984-94) (chair, 1991-94)

Departmental Liberal Studies Advisor (1983-1994).

Departmental Colloquium Committee (1983-85), chair.

Service, Professional and Other

Editorial Board, *Journal of Coastal Research* (1998-present).

Member, organizing committee, Geological Society of America, South Central Section annual meeting (2015).

Member, Science Advisory Committee, NOAA project on Ecological Effects of Sea-level Rise in the Gulf of Mexico (2011-2014).

Member, Sea-Level Rise Technical Advisory Group, "Predicting and Mitigating the Effects of Sea-Level Rise and Land Use Changes on Imperiled Species and Natural Communities in Florida." (2011-2014).

Member, Florida Climate Science Rapid Response Team (2010-2012).

Member, Scientific Advisory Board, Apalachicola National Estuarine Research Reserve (1992-2012).

Member, Board of Directors, Barrier Island Trust (1996-2012).

Adjunct Member, Board of Directors, Big Bend Habitat for Humanity (1998-2012).

Organizer, 5K run fundraiser for Tallahassee Habitat for Humanity (2007).

Member, International Geographical Union, Commission on Coastal Systems (2011-2016).

Member, International Geological Correlation Program (IGCP) Project 588, Preparing for Coastal Change: A Detailed Process-Response Framework for Coastal Change at Different Timescales (2010-2016).

Member, International Geological Correlation Program (IGCP) Project 495, Quaternary Land-Ocean Interactions: Driving Mechanisms and Coastal Responses (2003-2009).

Co-author of public-use sediment grain-size statistical and plotting package for use with sieve and settling tube data, published in Balsillie et al. (2002), and available online at: http://www.dep.state.fl.us/geology/resources/analytic_gran_tools/analytic_gran.htm

Member, International Geological Correlation Program (IGCP) Project 464, Continental Shelves During the Last Glacial Cycle (2001-2006).

Technical session chair, Geological Society of America, Southeastern Section annual meeting (2005).

Member, International Geological Correlation Program (IGCP) Project 437, Coastal Environmental Changes During Sea-Level Highstands (1999-2003).

Reviewer for earth science content on Florida Comprehensive Assessment Test (FCAT) (2001)

Member, Florida Institute of Oceanography *ad-hoc* committee for purchase of new oceanographic research vessel (2001).

Member, Aucilla River Geoarchaeology Project Advisory Council (Florida Museum of Natural History) (1986-2000).

U.S. National Representative, International Geological Correlation Program (IGCP) Project 367, Late Quaternary Coastal Records of Rapid Change (1994-1998).

Member, Nominating Committee, Geological Society of America, Sedimentology Division (1997).

Organizer and co-convener, theme session on Coastal Response to Environmental Change, Geological Society of America, Southeastern Section annual meeting (1997).

Member, Joint Technical Program Committee, Geological Society of America (representative at-large for marine geology) (1994-1996).

NSF Panel Member, Instrumentation and Laboratory Improvement Program (1997).

Organizer and co-convener, symposium on Late Quaternary Sea Level and Geoarchaeology, Society for Sedimentary Geology (SEPM) Congress on Sedimentary Geology, St. Pete Beach, FL (1995).

President, Southeastern Section, Society for Sedimentary Geology/SEPM (1994-95) (vice-president, 1993-94).

Co-editor, special section of *Journal of Coastal Research*, on Episodic Sea Level Change (1994).

Co-editor, special issue of *Sedimentary Geology*, on Quaternary Coastal Evolution (1992).

Organizer and Co-convener, symposium on Episodic Sea-Level Change During the Quaternary: Evidence from the Southeastern U.S., Geological Society of America Southeastern Section Meeting (1993).

Organizer and co-convener, International Geological Correlation Project (IGCP 274) research conference on Quaternary Coastal Evolution, co-sponsored by Society for Sedimentary Geology/SEPM (1991).

Technical session chair, Eighth Symposium on Coastal Sedimentology (1989).

Business Representative, Society for Sedimentary Geology/SEPM, Gulf Coast Section (1990-1995).

Member, International Geological Correlation Program (IGCP) Project 274, working group on Quaternary Coastal Evolution (1988-1994).

Technical program co-chair, Geological Society of America National Meeting (1985).

Technical session chair, Geological Society of America, Southeastern Section meeting (1983).

Consultant to U.S. Advisory Committee on Nuclear Waste, Washington, D.C., on geologic disposal of high-level radioactive waste (1983-94).

RESEARCH

Funded Projects

National Science Foundation: Reconstruction of paleo-storm history using geochemical proxies in coastal lake sediments (2016-2019) (PI; co-PI: Y. Wang) (\$424,477).

OSU Student Technology Fee Fund: Acquisition of magnetic separator for undergraduate teaching labs (2015) \$23,150.

Hughes Medical Institute: UTeach at Oklahoma State University (PI's: P. Carroll, B. Danilowicz; co-PI's S. Marks, K. Baum, T. Wikel, J. Angle, J. Utley, P. Jordan, T. Ivey, J. Mintmire, J. Donoghue, A. Noell, J. Gelder, L. Mantini, D. Recker) (2014-2019) \$1,450,000.

OSU Student Technology Fee Fund: Improvements to undergraduate geology teaching lab: (2014) \$43,232.

U.S. Department of Defense, Strategic Environmental Research and Development Program. Effects of near-term sea-level rise on coastal infrastructure (PI; co-PI's: J. Elsner, B. Hu, S. Kish, W. Yang, M. Ye, A. Niedoroda, M. Brungard, C. Reed, H. Das) (2009-2012) \$1,030,000.

Office of Naval Research, Marine Geosciences Program. Euro-Strataform: Modeling sedimentary deposits on the Adriatic continental margin (co-PI with S. Fagherazzi; PI: A. Niedoroda) (2003-2005) \$175,000.

Florida Dept. of Environmental Protection. Dynamics and impacts of interaction between ground and surface waters on Florida's environment (co-PI with T. Arnold and W. Parker; PI: D. Loper) (2002-2003) \$224,000.

Florida Dept. of Environmental Protection and URS Corp.: West Florida sand study (PI: A. Niedoroda; co-PI for FSU portion of project) (2001-2003) \$600,000.

Northwest Florida Water Management District. Lake Jackson Sediment Study (2000-2001) \$3000.

Netherlands Foundation for Basic Research. Thermoluminescence dating using zircons.
(Collaborator. PI's: H.W. den Hartog and R.J. de Meijer, Univ. of Groningen) (1997-01)
\$270,000.

St. Johns River Water Management District. Investigation of historic sedimentation rates in the
lower St. Johns River (1997-1999) \$40,000.

Florida Institute of Oceanography. Ship time grant for graduate student training and research
cruise, northeastern Gulf of Mexico (co-PI with J. Chanton) (1998) \$4,000.

NOAA Sanctuaries and Reserves Division. Metals contamination in the Apalachicola River and
estuary (student fellowship and research grant) (1997-1999) \$33,000.

Florida Institute of Oceanography. Ship time grant for geophysical research cruise,
northeastern Gulf of Mexico (1997) \$8,000.

Netherlands Organization for Scientific Research (NWO). Use of radiogenic heavy minerals for
dating and tracing coastal sand deposits (1997) \$3,500.

National Science Foundation/American Geological Institute. Development of ocean and coastal
module for AGI Earth Science Sourcebook (co-PI with G. Dawson) (1996-97) \$25,800.

Barrier Island Trust. Coastal erosion history of Dog Island, Florida (1995-96) \$2,000.

Netherlands Organization for Scientific Research (NWO). Use of radiogenic heavy minerals for
dating and tracing coastal sand deposits (1996) \$3,500.

Florida Institute of Oceanography. Ship time grant for graduate student training and research
cruise, northeastern Gulf of Mexico (co-PI with J. Chanton) (1996) \$8,000.

Netherlands Organization for Scientific Research (NWO). Use of radiogenic heavy minerals for
dating and tracing coastal sand deposits (1995) \$9,300.

St. Johns River Water Management District. Investigation of historic sedimentation rates in the
lower St. Johns River (co-PI with W. Cooper) (1995-1997) \$68,000.

FSU Council on Instruction. Instructional improvements for geology teaching (Co-PI with
J. Cain, S. Wise, N. Lundberg, A. Arnold, A. Odom, J. Cowart, A. Zindler) (two grants)
(1994) \$21,000.

Florida Institute of Oceanography. Ship time grant for research cruise, northeastern Gulf of
Mexico (1994) \$3,600.

Florida Institute of Oceanography. Ship time grant for research cruise, northeastern Gulf of
Mexico (1994) \$5,400

Florida Game and Freshwater Fish Commission. Sedimentologic history of Lake Miccosukee
(FL) (1993) \$28,000.

Florida Institute of Oceanography. Ship time grant for research cruise, northeastern Gulf of
Mexico (co-PI with J. Chanton) (1993) \$5,400.

Florida Institute of Oceanography. Ship time grant for research cruise, northeastern Gulf of Mexico (1992) \$7,200.

FSU Committee on Faculty Research Support. Use of radiogenic heavy minerals in thermoluminescence dating of Quaternary sediments (1992) \$8,000.

NOAA Sanctuaries and Reserves Division. Sedimentologic history of Apalachicola Bay, northeastern Gulf of Mexico (co-PI with L. Edmiston and W. Cooper) (1992) \$12,000.

Florida Institute of Oceanography. Ship time grant for research cruise, northeastern Gulf of Mexico (1992) \$7,200.

National Science Foundation. Development of undergraduate earth science course for prospective teachers (co-PI; PI's: K. Tobin and P. Gilmer) (1991-1994) (FSU Geology budget: \$46,000).

Florida Institute of Oceanography. Ship time grant for research cruise, northeastern Gulf of Mexico (co-PI with J. Chanton) (1991) \$3,600.

University of Groningen, Netherlands. Application of thermoluminescence dating methods to the North Sea barrier islands (1990) \$3,000.

Florida Institute of Oceanography. Ship time grant for research cruises, northeastern Gulf of Mexico (1990) \$8,600.

U.S. Geological Survey. Sedimentologic and mineralogic study of Pensacola Bay (1988-1989) \$11,000.

Florida Institute of Oceanography. Ship time grant for sediment sampling and seismic survey, northeastern Gulf of Mexico (1989) \$3,700.

Florida Institute of Oceanography. Ship time grant for marine geology/oceanography graduate student training and seismic profiling, northeastern Gulf of Mexico (1988). \$3,500

NOAA Office of Ocean and Coastal Resource Management, Estuarine Sanctuary Programs Division. Effects of near-term sedimentologic evolution on the lifetime of estuarine resources (co-PI with W. Tanner) (1988-1990) \$29,400

Florida Institute of Oceanography. Ship time grant for seismic surveys and graduate student training (1987) \$3,500.

FSU Committee on Faculty Research Support. Holocene history of Little St. George Island, Florida (1987) \$3,200.

NOAA - Sea Grant. Evaluation of the effect of major storms on Apalachicola Bay and Delta (1986-1987) \$5,000.

Florida Geological Survey/U.S. Minerals Management Service. Offshore heavy mineral reconnaissance, NW Florida Gulf Coast (1986-1987) \$41,300.

NOAA Office of Ocean and Coastal Resource Management, Sanctuary Programs Division.
Sediment loading processes in the Apalachicola Estuary and River (1986-1987). \$9,900.

Florida Institute of Oceanography. Shiptime grant for sediment collection, vibrocoring and seismic surveys, NE Gulf of Mexico (1985-1986) \$10,800.

Florida Institute of Oceanography. Ship time grant for seismic profiling and core sampling, and for a marine geology graduate student training cruise (1984-1985) \$11,100.

FSU Committee on Faculty Research Support. Sedimentary processes in Apalachicola Bay, Florida (1984) \$5,700.

Florida Institute of Oceanography. Ship time grant for sediment collection and seismic profiling, northeastern Gulf of Mexico (1984) \$7,200.

American Chemical Society (Petroleum Research Fund). Study of sediment transport, erosion and deposition in the Apalachicola River and Estuary (1984) \$2,000.

American Chemical Society (Petroleum Research Fund). Study of sediment transport, erosion and deposition in the Apalachicola River and Estuary (1983-1985) \$15,000.

National Science Foundation. Upgrade and renovation of X-ray diffractometer system (1984) \$20,000.

Publications (* denotes student advisee author)

*Sankar, R., Donoghue, J.F., and Kish, S.A., accepted, Mapping shoreline variability of two barrier-island segments along the Florida coast. *Estuaries and Coasts*.

Wang, Y., *Das, O., Xu, X., Liu, J., Jahan, S., Donoghue, J.F., Means, G.H., accepted, Radiocarbon ages of organic and inorganic carbon in coastal lakes in Florida: Implications for establishing reliable chronology for sediment-based paleoclimate reconstruction: *Quaternary Research*.

*Sankar, R., Kish, S., and Donoghue, J.F., 2017, Spatio-temporal analysis of decadal-scale patterns in barrier island response to storms: Perdido Key, Florida: *Physical Geography*, v. 39, no. 2; DOI 10.1080/02723646.2017.1378959

Osland, M. J., K. T. Griffith, J. C. Larriviere, L. C. Feher, D. R. Cahoon, N. M. Enwright, D. A. Oster, J. M. Tirpak, M. S. Woodrey, R. Collini, J. J. Baustian, J. L. Breithaupt, J. A. Cherry, J. R. Conrad, N. Cormier, C. A. Coronado-Molina, J. F. Donoghue, S. A. Graham, J. W. Harper, M. W. Hester, R. J. Howard, K. W. Krauss, D. E. Kroes, R. R. Lane, K. L. McKee, I. A. Mendelsshon, B. A. Middleton, J. A. Moon, S. C. Piazza, N. M. Rankin, F. H. Sklar, G. D. Steyer, K. M. Swanson, C. M. Swarzenski, W. C. Vervaeke, J. M. Willis, and K. V. Wilson. 2017. Assessing coastal wetland vulnerability to sea-level rise along the northern Gulf of Mexico coast: gaps and opportunities for developing a coordinated regional sampling network. *PLOS ONE* 12:article e0183431; DOI 10.1371/journal.pone.0183431.

- *Sedai, B., Alavi, S., Harimkar, S., McCollum, M., Donoghue, J.F., and Blum, F.D., 2017, Particle morphology dependent superhydrophobicity in treated diatomaceous earth/polystyrene coatings: *Applied Surface Science*, v. 14, p. 947-956.
- *Bidorn, B., Kish, S.A., Donoghue, J.F., Bidorn, K., and Mama, R., 2017, Change in sediment characteristics and sediment load of the Nan River due to large dam construction: *Proceedings, 37th IAHR World Congress*, August 13-18, 2017, Kuala Lumpur, Malaysia.
- *Bidorn, B., Kish, S. A., Donoghue, J. F., Huang, W., and Bidorn, K., 2016, Variability of total sediment supply of the Chao Phraya River, Thailand: *Proceedings, International Symposium on River Sedimentation*, September 19-22, 2016, Stuttgart, Germany.
- *Bidorn, B., Kish, S. A., Donoghue, J. F., Bidorn, K., & Mama, R., 2016, Sediment transport characteristics of the Ping River basin, Thailand. *Proceedings, 12th International Conference on Hydroinformatics, HIC 2016*; 21-26 August 21-26, 2016, Incheon, South Korea; *Procedia Engineering*, 154, 557-564.
- Donoghue, J.F., 2016, Backbarrier. In M.J. Kennish (ed.), *Encyclopedia of Estuaries*, Dordrecht, Springer Publ., DOI 10.1007/978-94-017-8801-4.
- Donoghue, J.F., 2016, Phi Scale. In M.J. Kennish (ed.), *Encyclopedia of Estuaries*, Dordrecht, Springer Publ., DOI 10.1007/978-94-017-8801-4.
- *Bidorn, B., Chanyotha, S., Kish, S., Donoghue, J., Bidorn, K., Mama, V., 2015, The effects of Thailand's Great Flood of 2011 on river sediment discharge in the Upper Chao Phraya River Basin, Thailand: *International Journal of Sediment Research*, v. 30, no. 4, p. 328-337.
- Kish, S.A., and Donoghue, J.F., 2013, Coastal response to storms and sea-level rise: Santa Rosa Island, Northwest Florida, USA: *Journal of Coastal Research*, Special Issue 63 p.131–140.
- *Das, O., Wang, Y., Donoghue, J.F., Xu, X., *Coor, J.L., Elsner, J., and Xu, Y., 2013, Reconstruction of paleostorms and paleoenvironment using geochemical proxies archived in sediments of two coastal lakes in northwest Florida: *Quaternary Science Reviews*, v. 68, p. 142-153.
- Donoghue, J.F., 2011, Sea-level history of the northern Gulf of Mexico and sea-level rise scenarios for the near future: *Climatic Change*, v. 107, no. 1, p. 17-33. (DOI 10.1007/s10584-001-0077-x)
- Convertino, M., Donoghue, J.F., Chu-Agor, M.L., Kiker, G.A., Muñoz-Carpena, R., Fischer, R.A., and Linkov, I., 2011, Anthropogenic renourishment feedback on shorebirds: a multispecies Bayesian perspective: *Ecological Engineering*, v. 37, no. 8, p. 1184-1194.
- Donoghue, J.F., and Parkinson, R.W., 2011, Discussion of: Houston, J.R., and Dean, R.G., 2011. Sea-level acceleration based on U.S. tide gauges and extensions of previous global-gauge analyses. *Journal of Coastal Research*, v. 27, no. 3, pp. 409–417. *Journal of Coastal Research*: v. 27, no. 5: pp. 994-996.

- Balsillie, J.H., and Donoghue, J.F., 2011, Northern Gulf of Mexico sea-level history for the past 20,000 years: p. 53-72 in Buster, N.A., and Holmes, C.W. (eds.), *Gulf of Mexico Origin, Waters and Biota: Vol. 3, Geology*. Texas A&M University Press, College Station, TX.
- Twichell, D., Edmiston, L., Andrews, B., Stevenson, W., Donoghue, J., Poore, R., and Osterman, L., 2010, Geologic contribution to the recent evolution of oyster beds in Apalachicola Bay, Florida: *Estuarine, Coastal and Shelf Science*, v. 88, p. 385-394.
- Parkinson, R.W., and Donoghue, J.F., 2010, Bursting the bubble of doom and adapting to sea-level rise (editorial): *Shoreline*, newsletter of the Florida Shore and Beach Preservation Association (March, 2010), p. 12-20.
- Donoghue, J.F., 2006, Geography and geomorphology of the Aucilla River region: p. 31-48, in Webb, S.D. (ed.), *First Floridians and Last Mastodons: The Page-Ladsen Site on the Aucilla River*. *Topics in Geobiology*, v. 26, p. 31-48. New York, Springer Publ.
- Niedoroda, A.W., Reed, C.W., Das, H., Fagherazzi, S., Donoghue, J.F., and Cattaneo, A., 2005, Analysis of a large-scale depositional clinoformal wedge along the Italian Adriatic coast: *Marine Geology*, v. 222, p. 179-192.
- Balsillie, J.H., Donoghue, J.F., 2004, High resolution sea-level history for the Gulf of Mexico since the last glacial maximum: *Florida Geological Survey Report of Investigation No. 103*, 65 p.
- Donoghue, J.F., Niedoroda, A.W., Hatchett, L., Locker, S., Clark, R., *Koch, J., and *Butler, K., 2003, Model for identifying and characterizing offshore sand sources using an interactive GIS: *Proceedings, Coastal Sediments 2003, Fifth International Conference on Coastal Engineering and Science of Coastal Sediment Processes*, St. Petersburg, FL.
- Niedoroda, A.W., Reed, C.W., Das, H., *Koch, J., Donoghue, J.F., Wang, Z.B., and Stive, M.J.F., 2003, Modeling large-scale morphodynamics of complex coastal systems: *Proceedings, Coastal Sediments 2003, Fifth International Symposium on Coastal Engineering and Science of Coastal Sediment Processes*, St. Petersburg, FL.
- Hatchett, L., Clark, R., Niedoroda, A., Donoghue, J.F., Locker, S., 2003, Web-based presentation of beach and offshore sand characteristics for discovering offshore sand resources: *Proceedings, Coastal Sediments 2003, Fifth International Symposium on Coastal Engineering and Science of Coastal Sediment Processes*, St. Petersburg, FL.
- Balsillie, J.H., Donoghue, J.F., *Butler, K.M., and *Koch, J.L., 2003, Reply to discussion of "Plotting equation for Gaussian percentiles and a spreadsheet program for generating probability plots": *Journal of Sedimentary Research*, v. 73, p. 1083-1085.
- Balsillie, J.H., Donoghue, J.F., Butler, K.M., and Koch, J.L., 2003, Reply to (second) discussion of "Plotting equation for Gaussian percentiles and a spreadsheet program for generating probability plots": *Journal of Sedimentary Research*, v. 73, p. 1086-1087.
- *Van Es, H.J., Vainshtein, D.I., de Meijer, R.J., den Hartog, H.W., Donoghue, J.F., and Rozendaal, A., 2002, Mineral zircon: a novel thermoluminescence geochronometer: *Radiation Effects & Defects in Solids*, v. 157, p. 1063-1070.

- Balsillie, J.H., Donoghue, J.F., Butler, K.M., and Koch, J.L., 2002, Plotting equation for Gaussian percentiles and a spreadsheet program for generating probability plots: *Journal of Sedimentary Research*, v. 72, p. 929-933.
- *Van Es, H.J., Vainshtein, D.I., Rozendaal, A., Donoghue, J.F., DeMeijer, R.J., and DenHartog, H.W., 2002, Thermoluminescence of ZrSiO₄ (zircon): A new dating method: *Nuclear Instr. and Meth. in Physics Research B*, v. 191, p. 649-652.
- Ladner, L.J., Hoenstine, R.W., Dabous, A.A., Donoghue, J.F., and *Harrington, D., 2000, A geological investigation of sedimentation and accretion rates of marine coastal wetlands, Apalachee Bay, northeastern Gulf of Mexico: p. 120-139 in Schmidt, W., Lloyd, J.M., and Collier, C. (eds.), *Woodville Karst Plain Symposium Transactions: Florida Geological Survey Special Publication 46*.
- *Van Es, H., den Hartog, H. W., de Meijer, R.J., Venema, L.B., Donoghue, J.F., and Rozendaal, A., 2000, Assessment of the suitability of zircons for thermoluminescence dating: *Radiation Measurements*, v. 32, p. 819-823.
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