

Curriculum Vitae

Associate Professor

Louisiana State University
 Department of Geography and Anthropology
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Ph.D.	University of Southern California	1999
M.S.	Rutgers, The State University of New Jersey	1992
B.A.	University of Windsor	1988

Louisiana State University	Associate Professor	2005-present
Louisiana State University	Assistant Professor	2000-05
Louisiana State University	Instructor	1999-00
Texas A&M University	Visiting Instructor	1998-99

Coastal and aeolian geomorphology, beach hydrology, sediment transport, beach micrometeorology, instrumentation and measurement theory and techniques, numerical simulation of geomorphic processes.

Association of American Geographers

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- 2006-07. *Pilot Study of the Nature of Beach Surface Moisture and its Influence on Wind-blown Sediment Supply to Coastal Dunes on Northern Gulf of Mexico Barrier Islands*. LSU Office of Research & Graduate Studies. Council on Research, Faculty Research Grant Program. (PI). \$9,872.
2006. Faculty Travel Grant Program, Office of Research and Economic Development, LSU, for travel to ICAR-VI: The Sixth International Conference on Aeolian Research, Guelph, ON, Canada. \$1,000.
- 2003-2007. *Field Investigation of the Influence of Bed Texture on Aeolian Saltation*. National Science Foundation, Geography and Regional Sciences Program. \$139,970. (PI).
2005. Junior Faculty Travel Program Grant. Office of Research and Graduate Studies, LSU, for travel to AAG Annual Meeting, Denver, CO. \$500.
- 2004-05. *Field Measurement of the Interaction Between Three-Dimensional Wind Flow Field, Fore-dune Morphology, and Aeolian Sediment Transport Across the Beach and Fore-dune*. National Science and Engineering Research Council of Canada. \$24,196. (Co-PI, with R. Davidson-Arnott and four others).
- 2004-05. *Influence of Detached Breakwaters on Shoreline Erosion and Nearshore Processes in Louisiana*. LSU Office of Research & Graduate Studies. Council on Research, Faculty Research Grant Program. \$9,896. (PI).
- 2004-05. *A Pilot Study of the Effectiveness of Artificial Vegetation Mats as a Tool for Coastal Dune Restoration*. LSU Office of Research & Graduate Studies. Council on Research, Summer Stipend Program. \$5,000. (PI).
2004. Junior Faculty Travel Program Grant. Office of Research and Graduate Studies, LSU, for travel to AAG Annual Meeting, Philadelphia, PA. \$750.
- 2003-2005. *Equipment Support for Development of a Research and Teaching Program in Coastal Geomorphology and Dynamics*. Louisiana State Board of Regents. (Co-PI, with P.A. Hesp). \$162,062.
2003. Junior Faculty Travel Program Grant. Office of Research and Graduate Studies, Louisiana State University, for travel to *Coastal Sediments 2003*, Clearwater Beach, FL. \$600.
2002. *A Theoretical Investigation of the Influence of Non-Neutral Atmospheric Stratification on Shear Velocity Estimates From Wind Speed Profiles*. Regents Faculty Research Award. Louisiana State Board of Regents. \$3,100. (PI).
2002. Junior Faculty Travel Program Grant. Office of Research and Graduate Studies, Louisiana State University, for travel to Los Angeles AAG meeting, \$250.

2001. *Estimating Shear Velocity During Aeolian Transport: On the Influence of Averaging Intervals and Displacement Height Corrections*. Department Excellence through Faculty Excellence (DEFE) Program Sub-Grant. 2001. Louisiana State Board of Regents. \$9,300. (PI).
2001. *Influence of Bed Texture on Wind Erosion: A Pilot Study*. LSU Office of Research & Graduate Studies. Council on Research, Summer Stipend Program. \$5,000. (PI).
2001. Junior Faculty Travel Program Grant. Office of Research and Graduate Studies, Louisiana State University, for travel to New York City AAG meeting, \$920.
2000. Conference Participation Grant (NSF Regional Grant Development Conference). Louisiana State University, Dept. of Geography & Anthropology, \$150.
1997. *Aeolian Saltation: Field Measurements and Numerical Simulations*. Doctoral Dissertation Improvement Grant. National Science Foundation, Geography and Regional Studies Program. \$9,600. (Co-PI, with B.O. Bauer, PI).
1996. *Aeolian Saltation: Field Measurements and Numerical Simulations*. Dissertation Research Grant. ARCS Foundation - Hancock Institute of Marine Science, USC. \$7,300. (PI).

Schmutz, P. P. and Namikas, S. L. (2013), Measurement and modeling of moisture content above an oscillating water table: implications for beach surface moisture dynamics. *Earth Surface Processes and Landforms*. 38: 1317–1325.

Edwards, B.L. and S.L. Namikas. 2013. Simple Infrared Techniques for Measuring Beach Surface Moisture. *Earth Surface Processes and Landforms*. 38: 192-197.

Sherman D.J., Davis L., and S.L. Namikas. 2013. Sediments and Sediment Transport. In: John Shroder (ed) *Treatise on Geomorphology*, Volume 1, pp. 233-56. Academic Press.

Edwards, B.L., P.P. Schmutz, and S.L. Namikas, 2012. Comparison of Surface Moisture Measurements with Depth-Integrated Moisture Measurements on a Fine-Grained Beach. *Journal of Coastal Research*. DOI: [10.2112/JCOASTRES-D-12-00008.1](https://doi.org/10.2112/JCOASTRES-D-12-00008.1)

Edwards, B.L. and S.L. Namikas, 2011. Changes in Shoreline Change Trends in Response to Detached Breakwater Field at Grand Isle, Louisiana. *Journal of Coastal Research*. 27: 698-705.

Schmutz, P.P. and S.L. Namikas, 2011. Utility of Delta-T Theta Probe for Obtaining Surface Moisture Measurements from Beaches. *Journal of Coastal Research*. 27: 478-484.

Namikas, S.L., B.L. Edwards, M.C. Bitton, J.L. Booth

Davidson-Arnott, R.G.D., B.O. Bauer, P.A. Hesp, S.L. Namikas, J.W. Ollerhead, and I.J. Walker. 2005. Moisture and fetch effects on aeolian sediment transport rates during a fall storm, Greenwich Dunes, Prince Edward Island. Proc. Canadian Coastal Conf., Canadian Coastal Science and Engineering Association, 11 pp.

Namikas, S.L. 2004. Influence of atmospheric conditions on aeolian transport mod

- Namikas, S.L. and D.J. Sherman. 1995. A review of the effects of surface moisture content on aeolian sand transport. In: V. Tchakerian (ed.), *Desert Aeolian Processes*. New York: Chapman and Hall. 269-294.
- Bauer, B.O., M.T. Kammerer, S.L. Namikas, and D.J. Sherman. 1995. Discussion of Velocity structure and sea bed roughness associated with intertidal (sand and mud) flats and saltmarshes of The Wash, U.K. *Journal of Coastal Research*. 11: 252-255.
- Jackson, N., K.F. Nordstrom, D.J. Sherman, J.R. Allen, S.L. Namikas and D. He. 1993. Shoreline processes and beach changes on the lagoon shoreline at Fire Island National Seashore, NY, USA. *Coastal Zone '93*. New York: American Society of Civil Engineers. 2068-2082.
- Psuty, N.P. and S.L. Namikas. 1991. Beach nourishment episodes at the Sandy Hook Unit, Gateway National Recreation Area, New Jersey, USA: A preliminary comparison. *Coastal Sediments '91*. New York: American Society of Civil Engineers. 2116-2129.
- 2002-2009. *Coastal Letters*. Newsletter of AAG-COMA, The Coastal and Marine Specialty Group. Edited six issues from 2002-2005. Contributed column "Musings from the Chair" from 2006-2009.
- Sherman D.J., D.W.T. Jackson, S.L. Namikas, and J. Wang. 1995. Aeolian sand transport in a coastal dune complex at Inch, CO. Kerry, Ireland. Part A: Field methods and results. U. Southern Cal., Dept. Geography: Geomorphology Research Report #3. 44 p.
- Namikas, S.L. 1992. Beach nourishment performance at South Beach, Sandy Hook Unit, Gateway National Recreation Area. Rutgers University: Institute of Marine and Coastal Science. Technical Report #92-22. 87 pp.
- Namikas, S.L., B.L. Edwards, and P.P. Schmutz. 2013. Influence of evaporation and condensation on the surface moisture content of beach sediment. AAG Annual Meeting. Los Angeles, Ca.
- Edwards, B.L. and S.L. Namikas. 2013. Predicting aeolian transport thresholds based on grain size-range. AAG Annual Meeting. Los Angeles, Ca.
- Schmutz, P.P. and S.L. Namikas. 2013. Influence of Sediment Texture on Surface Moisture Content above an Oscillating Water Table. AAG Annual Meeting. Los Angeles, Ca.

- Namikas, S.L. 2001. Bed texture as a control on aeolian saltation. *Annual Meeting*. Association of American Geographers, New York, NY.
- Namikas, S.L. 2000. Field test of two traps for high-resolution aeolian transport measurements. *SWAAG-Annual Meeting*. Southwest Division, Association of American Geographers, College Station, TX.
- Namikas, S.L. 2000. Direct measurement of bed stress using a drag plate: Instrument design and field test. *Annual Meeting*. Association of American Geographers, Pittsburgh, PA.
- Namikas, S.L., D.J. Sherman, and B.O. Bauer. 1999. Influence of averaging interval on reliability of shear velocity estimates. *Annual Meeting*. Association of American Geographers, Honolulu, HA.
- Lorang, M.S., S.L. Namikas, J. McDermott, and D. Sherman. 1999. El Nino storm waves and the morphodynamic response of two cobble beaches. *4th International Symposium on Coastal Engineering and Science*. American Society of Civil Engineers, Long Island, NY.
- Namikas, S.L. and B.O. Bauer. 1998. Field measurements of aeolian saltation trajectories. *4th International Conference on Aeolian Research*. International Geological Correlation Program, Oxford, UK.

