

Andrew Kennedy
Refereed Journal Publications (Published and in press)

- Dietrich, J.C., Westerink, J.J., Kennedy, A.B., Smith, J.M., Jensen, R., Zijlema, M., Holthuijsen, L.H., Dawson, C., Luettich, R.A., Powell, M.D., Cardone, V.J., Cox, A.T., Stone, G.W., Pourtaheri, H., Hope, M.E., Tanaka, S., Westerink, L.G., Westerink, H.J., and Cobell, Z. (2011). "Hurricane Gustav (2008) waves, storm surge, and currents: Hindcast and synoptic analysis in southern Louisiana", *Monthly Weather Review*, in press, 03/11.
- Arifin, R.R., and Kennedy, A.B. (2011). "The evolution of large scale crescentic bars on the northern Gulf of Mexico Coast", *Marine Geology*, **285**, 46-58.
- Kennedy, A.B., Gravois, U., Zachry, B.C., Westerink, J.J., Hope, M.E., Dietrich, J.C., Powell, M.D., Cox, A.T., Luettich, R.L., and Dean, R.G. (2011). "Origin of the Hurricane Ike forerunner surge", *Geophys. Res. Lett.*, L08805, doi:10.1029/2011GL047090.
- Kennedy, A.B., Gravois, U., and Zachry, B. (2011). "Observations of landfalling wave spectra during Hurricane Ike", *J. Waterway, Port, Coastal and Ocean Eng.-ASCE*, **137**(3), 142-145, doi:10.1061/(ASCE)WW.1943-5460.0000081.
- Kennedy, A.B., Rogers, S., Sallenger, A., Gravois, U., Zachry, B., Dosa, M., and Zarama, F. (2011). "Building Destruction from Waves and Surge on the Bolivar Peninsula during Hurricane Ike," *J. Waterway, Port, Coastal and Ocean Eng.-ASCE*, **137**(3), 132-141, doi:10.1061/(ASCE)WW.1943-5460.0000061.
- Kennedy, A.B., Gravois, U., Zachry, B., Luettich, R., Whipple, T. Weaver, R., Reynolds-Fleming, J. Chen, Q., and Avissar, R. (2010). "Rapidly installed temporary gauging for waves and surge, and application to Hurricane Gustav", *Continental Shelf Research* **30**, 1743-1752.
- Zhang, Y., and Kennedy, A.B. (2010). "Moments-Based Reduced Spectral Wave Modeling of Frequency-and-Directional Spreading Effects on Wave-Induced Longshore Currents", *J. Waterway, Port, Coastal and Ocean Eng.-ASCE*, **136**(4), 200-214.
- Kennedy, A.B., Slatton, K.C., Starek, M., Kampa, K., and Cho, H.-C. (2010). "Hurricane response of nearshore borrow pits from airborne bathymetric lidar", *J. Waterway, Ports, Harbor, Coastal and Ocean Eng.-ASCE*, **136**(1), 46-58.
- Kennedy, A.B., Slatton, K.C., Hsu, T.-J., Starek, M.J., and Kampa, K. (2008). "Ephemeral sand waves in the hurricane surf zone", *Marine Geology*, **250**, 276-280.
- Kennedy, A.B., and Zhang, Y. (2008). "The stability of wave-driven rip current circulation", *J. Geophys. Res.-Oceans*, **113**, (C03031), doi:10.1029/2006JC003814.
- Kennedy, A.B., Zhang, Y., and Haas, K.A. (2008). "Rip Currents with Varying Gap Widths", *J. Waterway, Port, Coastal and Ocean Eng.-ASCE*, **134**(1), 61-65.
- Haas, K.A., Kennedy, A.B., and Sapp, B (2008). "Video measurements of large scale flows in a laboratory basin", *J. Waterway, Port, Coastal and Ocean Eng.-ASCE*, **134**(1), 12-20.
- Kennedy, A.B., Brocchini, M., Soldini, L., and Guttierrez, E. (2006). "Topographically-controlled, breaking wave-induced macrovortices. Part 2. Changing Geometries", *J. Fluid Mech.*, **559**, 57-80.

- Kennedy, A.B. (2005). "Fluctuating circulation forced by unsteady, multidirectional waves", *J. Fluid Mech.*, **538**, 189-198.
- Kennedy, A.B., and Thomas, D. (2004). "Drifter measurements in a laboratory rip current", *Journal of Geophysical Research, Oceans*, **109**, C08005, doi:10.1029/2003JC001927.
- Brocchini, M., Kennedy, A., Soldini, L., and Mancinelli, A. (2004). "Topographically-controlled, breaking wave-induced macrovortices. Part 1. Widely separated breakwaters", *J. Fluid Mech.*, **507**, 289-307.
- Kennedy, A.B. (2003). "A circulation description of a rip current neck", *J. Fluid Mech.*, **497**, 225-234.
- Kennedy, A.B., and Kirby, J.T. (2003). "An unsteady wave driver for narrow-banded waves: Modeling nearshore circulation driven by wave groups", *Coastal Engineering*, **48**(4), 257-275.
- Misra, S. K., Kennedy, A. B. and Kirby, J. T., (2003). "An approach to determining nearshore bathymetry using remotely sensed ocean surface dynamics", *Coastal Engineering*, **47**(3), 265-293.
- Kennedy, A.B., Kirby, J.T., and Gobbi, M.F. (2002) "Simplified higher order Boussinesq equations. 1: Linear simplifications.", *Coastal Eng.*, **44**(3), 205-229.
- Shi, F., Dalrymple, R.A., Kirby, J.T., Chen, Q., and A. Kennedy (2001). "A fully nonlinear Boussinesq model in generalised curvilinear coordinates". *Coastal Engineering* **42**(4), 337-358. (Note: 9th most downloaded paper in *Coastal Engineering*, Jan 2001-Dec. 2001.)
- Kennedy, A.B, Kirby, J.T., Chen, Q., and Dalrymple, R.A. (2001). "Boussinesq-type equations with improved nonlinear performance". *Wave Motion* **33**, 225-243.
- Kennedy, A.B., Dalrymple, R.A., Kirby, J.T., and Chen, Q. (2000). "Determination of inverse depths using direct Boussinesq modeling", *J. Waterway, Port, Coastal and Ocean Eng.*, **126**(4), 206-214.
- Kennedy, A.B., Chen, Q., Kirby, J.T., and Dalrymple, R.A. (2000). "Boussinesq modeling of wave transformation, breaking and runup. I: 1D" *J. Waterway, Port, Coastal and Ocean Eng.*, **126**, 39-47.
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- Chen, Q., Kirby, J.T., Dalrymple, R.A., Kennedy, A.B., and Haller, M.C. (1999). "Boussinesq modelling of a rip current system". *J Geophys, Res.* **104**(9): 20,617-20,637.
- Kennedy, A.B., and Fenton, J.D. (1997). "A fully-nonlinear numerical method for wave propagation over topography", *Coastal Eng.* **32**(2), 137-162.
- Isaacson, M., Kennedy, A.B., and Baldwin, J. (1996). "Wave reflection effects on small craft motions", *Canadian J. Civil Eng.* **23**(2), 340-346.

<i>Summary of Refereed Journal Publications (28)</i>			
Journal	ISI Impact Factor	ISI Ranking, Subject Category	Number of Papers
Canadian J. Civil Eng.	0.402	75/106, Engineering, Civil	1
Coastal Eng.	2.404	4/106, Engineering, Civil	5
Continental Shelf Research	2.183	14/56, Oceanography	1
Geophys. Res. Lett.	3.204	15/155, Geosciences, Multidisciplinary	1
J. Fluid Mechanics	2.283	9/123, Mechanics	4
J. Geophysical Research	3.082	18/155, Geosciences, Multidisciplinary	3
J. Waterway, Port, Coastal and Ocean Eng-ASCE	1.218	24/106, Engineering, Civil	9
Marine Geology	2.521	7/56, Oceanography	2
Monthly Weather Review	2.238	20/63, Meteorology and Atmospheric Sciences	1
Wave Motion	1.379	38/123, Mechanics	1
<i>Total ISI Citations to Published Journal Papers: 467 (June, 2011)</i>			