



LESLIE C. BENDER III
MetOcean Project Manager
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EDUCATION

University of Delaware, Ph.D, Physical Oceanography, 1992
University of Delaware, Ph.D, candidate, Chemical Engineering, 1987
Carnegie-Mellon University, Master of Science, Chemical Engineering, 1980
University of Utah, Bachelor of Science, Chemical Engineering, 1978

PROFESSIONAL EXPERIENCE

TDI-Brooks International, College Station, TX, MetOcean Project Manager,
July 2010-Present

Geochemical and Environmental Research Group (GERG), College Station,
TX, Associate Research Scientist, Ocean Sciences Division, August
2000-July 2010

Powerware Solutions, Inc., Senior Research Scientist, February 1998 –
August 2000

Texas-Louisiana Shelf Circulation Program, Texas A&M University,
Assistant Research Scientist, January 1995-February 1998

Mesoscale Modeling Group, Australian Bureau of Meteorology Research
Centre, Melbourne, Australia, Post Doctoral Fellow, July 1992 to January
1995

University of Delaware, Graduate Research Assistant, 1985-1992

US Navy, Naval Nuclear Propulsion Program, Washington, D.C., Lieutenant,
1981-1985

PROFESSIONAL TRAINING

Advanced Open Water Scuba Diver – PADI certified
Private Pilot – Single Engine Land



SELECTED PROFESSIONAL ACTIVITIES/AWARDS

Texas A&M University College of Geosciences 2009 Distinguished Research Scientist Award
Member of American Geophysical Union
Member of IEEE Oceanic Engineering Society
Texas A&M University Diving Safety Board, representative for the College of Geosciences
Texas A&M University Fieldwork Safety Committee, representative for the Geochemical and Environmental Research Group
College of Geosciences Safety Committee, representative for the Geochemical and Environmental Research Group
Geochemical and Environmental Research Group Safety Committee – chair

SELECTED PUBLICATIONS

Bender, LC, SD Howden, D Dodd and NL Guinasso, *Wave heights during hurricane Katrina: An evaluation of PPP and PPK measurements of the Vertical Displacement of the GOS antenna*, Journal of Atmospheric and Oceanic Technology, **27**(10), 1760-1768, 2010.

Bender, LC, NL Guinasso, JN Walpert, and SD Howden, *A comparison of methods for determining significant wave heights: Applied to a 3-m discus buoy during hurricane Katrina*, Journal of Atmospheric and Oceanic Technology, **27**(5), 1012-1028, 2010.

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Howden, S, D Gilhousen, N Guinasso, J Walpert, M. Sturgeon, and L. Bender, *Hurricane Katrina winds measured by a buoy mounted sonic anemometer*, Journal of Atmospheric and Oceanic Technology, **5**(4), 607-616, 2008.



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MacDonald, I.R., L.C. Bender, M. Vardaro, B. Bernard, J.M. Brooks, *Thermal and Visual Time-Series at a Seafloor Gas Hydrate Deposit on the Gulf of Mexico Slope*, Earth and Planetary Science Letters, **233**, 45-59, 2005.

Martin, R.D., Jr, N.L. Guinasso, Jr., L.L Lee, Jr., J.N. Walpert, L.C. Bender, R.D. Hetland, S.K. Baum, & M.K. Howard, *Ten Years of Realtime, Near-surface Current Observations Supporting Oil Spill Response*, Proceedings 2005 International Oil Spill Conference, American Petroleum Institute, Washington, D.C., pp 541 – 545, 2005.

Walpert, J.N., N.L. Guinasso Jr., L.C. Bender, and L.L. Lee III, *The Effects of Marine Fouling on the Performance of a Single-Point Acoustic Doppler Current Sensor Mounted on a TABS-II Spar Buoy*, In *OCEANS 2001 MTS/IEEE Proceedings*, 956-961, Marine Technology Society, Washington DC, 2001.

DiMarco, S.F., and L.C. Bender, *WAM4 model/data comparison in the NW Gulf of Mexico*, Ocean Wave Kinematics, Dynamics and Loads on Structures Proceedings, American Society of Civil Engineers, Houston, Texas, April 30, 1998.

Tolman, H.L., L.C. Bender, and W.L. Neu, *Comments on "The Goddard Coastal Wave Model. Part I: Numerical Method,"* J. Phys. Oceanog., **28**(6), 1287-1290, 1998.

Tolman, H.L., W.L. Neu, and L.C. Bender, *Comments on "The Goddard Coastal Wave Model. Part II: Kinematics,"* J. Phys. Oceanog., **28**(6), 1305-1308, 1998.

Bender, L.C. and T.J. Glowacki, *The Assimilation of Altimeter Data into the Australian Wave Model*, Aust. Met. Mag., **45**, 42-48, 1996.

Bender, L.C., *A Modification of the Physics and Numerics in a Third Generation Ocean Wave Model*, J. of Atm. & Ocean. Tech., **13**(3), 726-750, 1996.

Bender, L.C. and K.C. Wong, *The Effect of Wave-Current Interaction on Tidally Forced Estuarine Circulation*, J. Geophys. Res., **98**, 16,521-16,528, 1993.