

## Lincoln F. Pratson

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### Education

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Ph.D., Marine Geology & Geophysics, Columbia University, New York, New York, 1993.  
M.Ph., Geology, Columbia University, New York, New York, 1992  
M.S., Oceanography, University of Rhode Island, Narragansett, Rhode Island, Oceanography, 1987.  
B.S., Geology, Trinity University, San Antonio, Texas, 1983.

### Research Interests

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Energy Systems: production, conversion, delivery and uses of energy; assessment of natural energy resources; energy economics, policy and markets; the energy-food-water nexus; and energy use and climate change.

### Professional Experience

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Duke University, Durham, North Carolina

*Nicholas School of the Environment*

Chair, Division of Earth & Ocean Sciences, 2011-2014, 2016-present

Professor, 2009-present

Energy & Environment Program Chair, Masters of Environmental Management Program,  
2004-2012

Associate Professor, 2003-2009

Director of Graduate Studies, Division of Earth & Ocean Sciences, 2000-2004

Assistant Professor, 1998-2003

*University*

Director

Research Triangle Institute President's Award for helping create the Research Triangle Energy Consortium, an energy research partnership between Duke University, North Carolina State University, the University of North Carolina at Chapel Hill, and the Research Triangle Institute  
Amoco Production Company Geophysics Fellowship, Columbia University, 1988-1989  
Sen

Worman, S.L. (student), L.F. Pratson, T.H. Darrah,



Steckler, J.P.M. Syvitski and P.L. Wiberg (eds.), *Continental Margin Sedimentation: From Sediment Transport to Sequence Stratigraphy*, International Association of Sedimentologists Special Publication No. 37, Blackwell Publishers, p. 339-380.

Pratson, L.F., E. Hutton, A. Kettner, and J. Syvitski, 2007, The impact of floods and storms on the acoustic reflectivity of the inner continental shelf: a modeling assessment: *Continental Shelf Research*, v. 27, p. 542-559.

Kraft, B.J., I. Overeem, C.W. Holland, L.F. Pratson, J.P.M. Syvitski and L. Mayer, 2006, Stratigraphic model predictions of geoaoustic properties: *IEEE Ocean Engineering*, v. 31, p. 266-283.

Violet, J., B. Sheets, L. Pratson, C. Paola, R.T. Beaubouef and G. Parker, 2005, Experiment on turbidity currents and their deposits in a model 3D subsiding mini-basin: *Journal of Sedimentary Research*, v. 75, p. 820-843.

Swenson, J.B., C. Paola, L. Pratson, V.R. Voller, and A.B. Murray, 2005, Fluvial and marine controls on combined subaerial and subaqueous delta progradation: Morphodynamic modeling of compound-cliniform development: *Journal of Geophysical Research – Earth Surface*, v. 110, p. F02013-2029.

Wolinsky, M., and L.F. Pratson, 2005, Constraints on landscape evolution from slope histograms: *Geology*, v. 33, p. 477-480.

Cacchione, D.A., and L.F. Pratson, 2004, Internal tides and the continental slope: *American Scientist*, March-April issue, p. 130-137.

Fryer, G.J., P. Watts, and L.F. Pratson, 2004, Source of the great tsunami of 1 April 1946: a landslide in the upper Aleutian forearc: *Marine Geology*, v. 203, p. 201-218.

Pratson, L.F., A. Stroujkova, D. Herrick, F. Boadu, and P. Malin, 2003, Predicting seismic velocity and other rock properties from clay content only: *Geophysics*, v. 68, p. 1847

Mello, U., and L.F. Pratson, 1999, Regional slope stability and mass-movement mechanics from the two-dimensional state of stress in a semi-infinite slope: *Marine Geology*, v. 154, p. 339-356.

Syvitski, J., L. Pratson, D. O'Grady, 1999, Stratigraphic Predictions of Continental Margins for the Navy. In: L. Whatney et al (eds.) Numerical Experiments in Stratigraphy: Recent Advances in Stratigraphic and Sedimentologic Computer Simulations: *SEPM Special Publication* No. 62, p. 220-236.

Pratson, L., D. Divins, T. Butler, D. Metzger, G. Sharman, M. Steele, T. Beggren, T. Holcombe and R. Ramos, 1999, Development of an elevation database for the US coastal zone: *ACSM Surveying and*

Pratson, L.F. and W.B.F. Ryan, 1994, Pliocene to Recent infilling and subsidence of intraslope basins offshore Louisiana:





Professional Masters of Environmental Management Students

I have advised over 70 Nicholas School MEM students on their Masters Project