

Lorena Moscardelli

Research Associate

Bureau of Economic Geology

The University of Texas at Austin



Professional Summary: My technical experience is in stratigraphy, seismic geomorphology, and seismic interpretation and visualization. I specialize in the study of deep-water deposits, with particular interest in mass transport complexes. My industry experience includes regional hydrocarbon prospectivity and the development of exploration prospects.

Research Interests: Study and characterization of mass transport complexes around the world, Application of quantitative seismic geomorphology techniques in shallow and deep-water deposits, Subsurface mapping of depositional systems, Basin analysis

Education: B.S., Geology, Universidad Central de Venezuela, 2000
Ph.D., Geology, The University of Texas at Austin, 2007

Professional History: Bureau of Economic Geology: Graduate Research Assistant for the Quantitative Clastic Laboratory Consortium, 2003–2007
BHP Billiton: Summer Intern, 2006
OXY Occidental Oil and Gas: Summer Intern, 2005
PDVSA Exploration: Exploration Geologist, 2001–2003
Rice & Avendaños: Exploration Geologist, 2000–2001

Selected Publications: Moscardelli, Lorena, and Wood, L. J., 2007, New classification system for mass transport complexes in offshore Trinidad: Basin Research, doi: 10.1111/j1365-2117.2007.00340x [26 p.].

Moscardelli, L., L. Wood, and P. Mann, 2006, Mass Transport Complexes and Associated Processes in the Offshore Area of Trinidad and Venezuela, AAPG Bulletin, v. 90, no. 7.

Parra, M., L. Moscardelli, and M. A. Lorente, 2003, Late Cretaceous Anoxia and Lateral Microfacies Changes in the Tres Esquinas Member, La Luna Formation, Western Venezuela, Palaios, v.18, no. 4, p. 321-333.

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Selected Publications: Moscardelli, L., and L. Wood, 2006, Seismic Geomorphology of Mass Transport Deposits and Controls on Formation Character, Eastern Offshore Trinidad and Venezuela, in AAPG Proceedings Annual Meeting, Houston, Texas, USA.

Moscardelli, L., D. Woods, and L. Wood, 2006, Quantitative Seismic Geomorphology Study in Fluvial Systems—A New Approach, in AAPG Proceedings Annual Meeting, Houston, Texas, USA.

Moscardelli, L., and L. Wood, 2006, Identification and Classification of Mass Transport Complexes in Offshore Trinidad/Venezuela and Their Potential Anthropogenic Impact as Tsunamigenic Hazards, in AGU Proceedings Fall Meeting, San Francisco/California USA.

Moscardelli, L., and L. Wood, 2006, Morphometry of Mass Transport Complexes in Offshore Trinidad, in External Controls on Deep Water Depositional Systems; Climate, Sea-level and Sediment Flux, London, UK.

Moscardelli, L., 2006, Mass Transport Complexes in Offshore Trinidad and World Wide Analogs, in Houston Geological Society International Dinner (March), Houston, Texas.

Moscardelli, L., and L. Wood, 2005, Visualization Technology and Quantitative Morphometrics of Mass Transport Complexes along the continental margin of Trinidad, West Indies, in SEPM Research Conference Proceedings, Houston, Texas, USA.

Moscardelli, L., L. Wood, and P. Mann, 2004, Debris Flow Distribution and Controls on Slope to Basin Deposition, Offshore Trinidad, in AAPG Proceedings Annual Meeting, Dallas, Texas, USA.

Moscardelli, L., L. Wood, and P. Mann, 2004, Debris Flow Architecture and Processes Offshore Trinidad: Implications for Basin Fill in Tectonically Active Margins, in AGU Proceedings Fall Meeting, San Francisco/California USA.

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Selected Committees: Session Co-Chair, Recent Advances in Deepwater and Shelf Siliciclastic Facies Models: Implications for Reservoir Characterization, Houston, Texas: American Association of Petroleum Geologists / Society of Economic Paleontologists and Mineralogists, 2006.

Reviewer, External Controls on Deep Water Depositional Systems; Climate, Sea-level and Sediment Flux: GSL Special Publication, 2006.

Reviewer, The Significance of Mass-Transport Deposits in Deep Water Environments: AAPG/SEPM Special Publication, 2006.

Awards: Ed Picou Full Fellowship Grant, 2007 Gulf Coast Section of SEPM

AAPG Grant in Aid, 2006 American Association of Petroleum Geologists Foundation

Graduate Student Research Grant, 2005 Geological Society of America GSA

Outstanding Student Paper Award, 2004 Hydrology Section AGU

Thomas R. Banks Memorial Scholarship, 2004 from the San Antonio Area Foundation

L. Austin Weeks Grant, 2004 American Association of Petroleum Geologists Foundation

Exxon-Mobil Student Grant Participation Award, 2001 AAPG/SEPM Annual Convention