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RESEARCH ASSISTANT PROFESSOR

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**Marilyn Segall**

**PROFESSIONAL RESEARCH INTERESTS AND EXPERTISE –**

- Chemostratigraphic analyses for resolving source terrain, depositional environment, authigenic/diagenetic processes, and subdividing source/reservoir units in areas with limited chronostratigraphic control.
- Seabed Stability evaluations for well/pipeline emplacement using seismic, sedimentologic, bathymetric and tectonic data.
- Oceanographic and meteorologic evaluations on a basin-to-block scale for geophysical program design, drilling program, LNG transport and HSE/legal issues. Common parameters include surface-to-seabed currents, winds, waves and tides.

**REGIONAL AND BASIN EXPERIENCE –**

- Canadian Arctic
- offshore British Columbia
- offshore Newfoundland
- Scotian Shelf and Basin
- Greenland
- US east coast continental margin
- Bahamas
- South America Colombia
- Trinidad
- Brazil
- Argentina (eastern margin)
- Eurasia Western Mediterranean Sea

- Black Sea
- Persian Gulf
- Arabian Sea
- Sea of Okhotsk
- East China Sea
- Africa Togo
- Benin
- Ivory Coast
- Morocco
- Nigeria
- Kenya
- Madagascar
- Far East Bay of Bengal
- Indonesi

#### **EDUCATION –**

- 1984 B.S. Memorial University of Newfoundland
- 1986 M.S. University of South Carolina
- 1991 Ph.D. University of South Carolina

#### **MEMBERSHIPS –**

- Utah State License Professional Geologist (awarded 12/25/2004)
- American Geophysical Union

#### **HONORS AND AWARDS –**

- AAPG award for excellence in presentation (EMD)
- 1997,2000 Guest editor for Sedimentary Geology Special volumes

#### **PUBLICATIONS –**

- Abrams, M. A. and **Segall, M.P.**, 2001. "Best practices for detecting, identifying and characterizing near-surface migration of hydrocarbons within marine sediments," Offshore Technology Conference paper 13039, 2001. 5pp.
- **Segall, M.P.**, Figueiredo, A.G., Silva, C.G. and Levey, R., 2000. Stability of near-surface gassy sediments, Amazon continental shelf. Offshore Technology Conference paper 12106, 5pp.
- **Segall, M.P.**, Siron, D.L, and Colquhoun, D.J.C., 2000. Depositional and diagenetic signatures of Late Eocene-Oligocene sediments, South Carolina. In: W.B. Harris and M.P. Segall (eds.) "Onshore-Offshore Correlation of Cenozoic Strata, Western Margin of the North Atlantic". Sedimentary Geology, 134, 27-48.
- Harris, W.B. and **Segall, M.P.**, 2000. Editors, Sedimentary Geology special volume 134, "Onshore-Offshore Correlation of Cenozoic Strata, Western Margin of the North Atlantic".
- **Segall, M.P.**, Colquhoun, D.J. and Siron, D.L., 1997. Editors, Sedimentary Geology special volume 108, "Evolution of the Atlantic Coastal Plain - Sedimentology, Stratigraphy and Hydrogeology".
- Siron, D.L. and **Segall, M.P.**, 1996. Influences of depositional environment and diagenesis on geophysical log response in the South Carolina coastal plain: effects of sedimentary fabric and

mineralogy. In: M.P. Segall, D.J. Colquhoun and D.L. Siron (eds.) "Evolution of the Atlantic Coastal Plain". *Sedimentary Geology*, 108, 163-180