



**DEPARTMENT OF GEOSCIENCES**  
**JUNIOR PAPERS (Class of '08)**  
**FALL 2006-2007**

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Advisor: E. Larson (PEI) / M. Oppenheimer
- Christian Millian**                      “A Proposed Phylogeny of *Candidatus Desulforudis*  
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- Bamidele Otemuyiwa**                      “Second-Order Sea-Level Variations as a Test for  
Neoproterozoic True Polar Wander”  
Advisor: A. Maloof / D. Sigman
- Ryan Truchelut**  
Anomalies”                      “Calculating and Utilizing Hourly Temperature  
Advisor: G. Philander / M. Bender
- Meredith Wall**                      “Hydrate Destabilization Induced Release of Martian  
Methane: A Critical Review of Prieto-Ballesteros  
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“Realized Improvements and Remaining Challenges to Lignocellulosic Ethanol Production”

Advisor: E. Larson (PEI) / M. Oppenheimer

**Bamidele Otemuyiwa**

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Advisor: S. Myneni / T. Onstott

**Ryan Truchelut**

“Solar-Influenced Geomagnetism as a Leading Indicator of Cyclogenesis”

Advisor: A. Gnanadesikan / M. Bender

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“Ooid Growth, Cementation and Diagenesis: Jolters Cays, Bahamas”

Advisor: A. Maloof / D. Sigman