

Patrick Schwing

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OBJECTIVE: To utilize and pioneer scientific knowledge in a challenging research environment

EDUCATION: 1. George Washington High School, Denver, CO 2002
- International Baccalaureate Diploma
2. Bachelor of Science at Eckerd College, St. Petersburg, FL 2006
- Marine Science (geology focus)
- Religious Studies Minor

PUBLICATIONS:

1. **Schwing, Patrick T** (2006). Regional Climatology and Anthropogenic Impacts on Coastal Sedimentation Patterns: St. John, USVI. Undergraduate Thesis, Eckerd College, St. Petersburg FL.
2. Brooks, Gregg R.; Devine, Barry; Larson, Rebekka A.; Mclean, Merritt R.; **Schwing, Patrick T.**; Wallace, Leslie E.; McMullen, Kevin M. (2006). Coastal Evolution Through Salt Pond Development: US Virgin Islands. Poster, AGU Ocean Sciences Meeting, Honolulu, Hawaii.
3. **Schwing, Patrick T.**; Brooks, Gregg R.; Devine, Barry; Larson Rebecca A.; Holmes, Charles; and Wallace, Leslie E. (2005). Interaction of Regional Climatology and Anthropogenic Impacts on Sedimentation on St. John, USVI. Poster, Non-Point Source Pollution Conference, St. John, U.S. Virgin Islands.
3. McLean, Merritt R.; Brooks, Gregg R.; Devine, Barry; Larson, Rebekka A.; **Schwing, Patrick T.**; and McMullen, Kevin M. (2004.) Coastal Sedimentary Evolution of St. Thomas and St. John, US Virgin Islands: a Function of Drainage Basin Diversity. GSA Conference, Denver, CO.

GRANTS IN SUPPORT OF RESEARCH:

1. Eckerd College Organization of Students Research Grant (November, 2005): \$500
2. Eckerd College Collegium of Natural Sciences Research Grant (November, 2005): \$125
3. Carnegie Laboratory Centennial Celebration Grant (October, 2005): \$330

LABORATORY AND FIELD EXPERIENCE:

-Vibracoring	-Sediment pipette analysis	-SCUBA
-Piston and Push coring	-Pb-210 Analysis	-CHIRP sonar
-Inf./vis. spectrometry	-R/V <i>G.K. Gilbert</i>	-Petrographic Microscopy
-Settling Tube	-Wet sieving	-Diver assisted coring

SOFTWARE EXPERIENCE:

-Appcore 9.2	-Sigmaplot
-Canvas (v. 8.0 & 9.0)	-Excel
-Tracker 3.1	-Surfer (v. 8.0)
-Genie 2000 (Gamma Counting Pb-210)	

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RELEVANT COURSEWORK:

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|---|---------------------------------|
| -Marine Geology | -Calculus I & II |
| -Earth Systems History | -Physics I & II |
| -Earth Materials | -Chemistry I & II |
| -Tropical Marine Environments
(Roatan, Honduras) | -Marine Invertebrate Biology |
| -Sedimentation and Stratigraphy | -Introduction to Marine Science |
| -Marine Geochemistry | -Cell Biology |
| -Tropical Marine Geology (Fiji) | -Earth Structure |
| -Marine Invertebrate Paleontology | -Coastal Geology |
| | -Chem. & Phys. Oceanography |

EMPLOYMENT:

1. **U. of South Florida Student Assistantship** (2007-present)
 - Leading sediment and biological field collection at Emerson Point, FL, overseeing radiochemistry lab protocol, and analyzing Emerson sediment cores and oyster samples to determine a recent anthropogenic activity proxy.
Reference: Dr. Ashanti Pyrtle (727) 553-1301 or apyrtle@seas.marine.usf.edu
2. **Eckerd College/USGS Marine Geology Internship (GeoCrew)** (2004-2006)
 - Collected, sampled, analyzed, and synthesized sediment sample and core data involved in four regional projects; The Tampa Bay Project, Watershed on the U.S. Virgin Islands, Hard-bottom research on Rattlesnake Key, FL, and Anoxic cycles of Charlotte Harbor, FL.
Reference: Dr. Gregg Brooks (727) 864-8992 or brooksgr@eckerd.edu
3. **Eckerd College Campus Ministries Intern** (2006-2007)
 - Managed a group of 12 student employees, planned an international forum on environmental justice, and coordinated a U.N. sponsored cultural event
Reference: Rev. Mona Bagasao (727) 864-7577 or bagasam@eckerd.edu

CERTIFICATES AND HONORS:

- Eckerd College Special Talent Scholarship (\$2000/year)
- Eckerd College Honors Scholarship (\$6000/year)
- Outstanding Third Year Student Award (2005)
- Carnegie Laboratory Centennial Celebration invitee; Dry Tortugas (2005)
- Hilton Head Symposium: Ethics in Business and Science; S. Carolina (2005)
- National Student Leadership Conference; Wash. D.C. (2003)
- National Student Leadership Summit (2004)
- National Prayer Breakfast Invitee and participant; Wash. D.C. (2004)
- PADI Scuba certification (1998)
- Intermediate Sailing certification, Eckerd College (2003)

INTERNATIONAL SCHOLASTIC EXPERIENCE:

1. Tropical Marine Geology. Instructor: Gregg Brooks. Fiji (2006)
2. Leadership and Teambuilding. Instructor: Peter Hammerschmidt
Antarctica and Argentina (2005)
3. Tropical Marine Ecosystems. Instructors: Gregg Brooks and David
Duncan; Roatan, Honduras (2004)
4. Orphanage Missions Trip through Harvest International. Leaders: Brian
Macharg and Andrew Black. Havana, Cuba (2004)