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EDUCATION

Ph.D. Earth Sciences, Scripps Institution of Oceanography, UCSD, (ongoing)

M.S. Geophysics (honors), University of São Paulo, 2009

B.S. Oceanography (honors), University of São Paulo, 2007

RESEARCH INTERESTS

Satellite remote sensing of ice sheets, climate change, ice dynamics, sea ice

Radar and laser altimetry, radar interferometry and radar imagery

RESEARCH EXPERIENCE

Ph.D. Thesis: Investigating changes on Antarctic ice shelves from multi-mission satellite radar altimetry, and links with the last three decades of climate variability, 2010-pres

M.S. Thesis (honors): Satellite altimetry and marine gravity on the integrated representation of the gravity field in the Brazilian coast, 2009

B.S. Thesis (honors): Characterization of bottom morphodynamics of Cananéia estuary by shallow seismic profiling and side scan sonar, 2006

Undergrad. research: Oil hydrocarbons pollution in Admiralty Bay, Antarctica, 2003-4

FIELD EXPERIENCE

Brazilian Antarctic Research Station *Comandante Ferraz*, Antarctica, (30 days) Jan-Feb 2004

R/V *P.W. Besnard*, Geophysical and Geological Survey, Brazil coast, (12 days) Dec 2004

R/B *Escuna*, Environmental Monitoring Program, Bahia, Brazil, (14 days) Dec 2003

R/V *P.W. Besnard*, Oceanographic Moorings II, Brazil coast, (8 days) Jan 2003

R/V *P.W. Besnard*, Oceanographic Moorings I, Brazil coast, (9 days) Jul 2002

TEACHING EXPERIENCE

Computing for Geophysicists, TA at University of São Paulo, Aug-Dec 2008

Introduction to Geophysics, TA at University of São Paulo, Mar-Jul 2008

SKILLS

Programming: Python, C/C++, Fortran 90/95, Shell-Script, XHTML/CSS/JS

Software: UNIX/Mac/Linux, VTK/Paraview/Mayavi, GMT, Matlab, GIS, \LaTeX 2 ϵ , VIM, etc.

Languages: Portuguese (native), English (fluent), Spanish (proficient)

AWARDS

AGU Outstanding Student Paper Award, Cryosphere, 2010

Honor Mention (best M.S. Thesis in geophysics), University of São Paulo, 2010

TA Fellowship (M.S.), Brazilian Ministry of Education, 2008

Graduate Fellowship (M.S.), Brazilian Ministry of Science and Technology, 2007-2009

Honor Mention (2nd best B.S. Thesis), University of São Paulo, 2007

Undergraduate Fellowship, São Paulo Research Foundation, 2005-2006, and Brazilian Ministry of Science and Technology, 2004

PUBLICATIONS

Journal Articles

3. **Paolo, F.S.** and E.C. Molina (2010), Integrated marine gravity field in the Brazilian coast from altimeter-derived sea surface gradient and shipborne gravity. *J. Geodyn.*, 50, 347-354, doi:10.1016/j.jog.2010.04.003.
2. Bícigo, M.C., E. Zanardi-Lamardo, S. Taniguchi, C.C. Martins, D.A.M. da Silva, S.T. Sasaki, A.C.R. Albergaria-Barbosa, **F.S. Paolo**, R.R. Weber and R.C. Montone (2009), Results from a 15-year study on hydrocarbon concentrations in water and sediment from Admiralty Bay, King George Island, Antarctica. *Antarct. Sci.*, 21, 209-220, doi:10.1017/S0954102009001734.
1. **Paolo, F.S.** and M.M. Mahiques (2008), Utilization of acoustic methods in coastal dynamics studies: example in the Cananéia lagoonal mouth. *Braz. J. Geophys.*, 26(2), 211-225, doi:10.1590/S0102-261X2008000200008.

Latest Proceedings

Paolo, F.S., H.A. Fricker and L. Padman (2010), Three decades of change on Antarctica's major ice shelves from multi-mission satellite radar altimetry, Abstract C41A-0514 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

INVITED TALKS

Elevation changes on Antarctic ice shelves, AAAS Pacific Division, 92nd Annual Meeting at USD, 14 Jun 2011.