

Curriculum Vitae - Uriel Zajaczkovski

Research interests: I am currently interested in the Southern Ocean and its role in regulating the Earth's climate. Other interests are the role of eddies and turbulent processes in the large-scale circulation of the ocean and biophysical interactions in the upper ocean.

Education: 2009 to present Ph.D. student in Physical Oceanography, Scripps Institution of Oceanography.
2011 M.S., Scripps Institution of Oceanography, UCSD.
2009 Bachelor in Oceanography, University of Buenos Aires (UBA), Argentina.

Publications:

- **Zajaczkovski, U.**, 2009. Dinamica Lagrangeana del Atlantico Sur, B.S. thesis.
- Saraceno, M., C. Provost, **U. Zajaczkovski**, 2009. Long-term variation in the anticyclonic ocean circulation over the Zapiola Rise as observed by satellite altimetry: Evidence of possible collapses. *Deep Sea Res. Part I*, Vol. 56, 7, July 2009, 1077-1092.
- Piola, A.R., S.I. Romero and **U. Zajaczkovski**, 2008. Space-time variability of the Plata plume inferred from ocean color. *Continental Shelf Research*, Volume 28, Issue 13, 30 July 2008, Pages 1556-1567
- Campagna, C., A.R. Piola, M.R. Marin, M. Lewis., **U. Zajaczkovski** and T. Fernández, 2007. Deep divers in shallow seas: southern elephant seals on the Patagonian shelf. *Deep-Sea Research I* 54, 1792-1814.

Presentations at symposiums:

- Upper Ocean Circulation and Mixing in the Southern Ocean. Zajaczkovski, U. and S. Gille. To be presented at 10th ICSHMO, Noumea, New Caledonia, April 2012.
- Eulerian and Lagrangian scales in the South Atlantic based on surface drifters. Zajaczkovski, U., Piola, A. Presented at VI National Conference of Marine Sciences, Dec.2006. Pto. Madryn, Argentina.

Past employments: 2003-2005 In charge of numerical modeling studies at Ezcurra & Schmidt, Coastal and Ocean Engineering consulting and field services firm (Buenos Aires, Argentina).

Teaching experience: 2007 - 2008 Teaching assistant position at Department of Meteorology and Oceanography (DCAO), Faculty of Hard and Natural Sciences (FCEyN), University of Buenos Aires (UBA).
2005 Introduction to MATLAB and ADCP data processing. Held at Dirección de Hidrografía y Navegación de la Marina de Guerra del Perú (DHN), Lima, Perú. Course load: 80 hours.

Sea-going Experience:

- February 2012 DIMES UK 3. Tracer and microstructure survey mooring recovery, 52 days (*R/V James Cook*). Chief Scientist: Dr. Alberto Naveira-Garabato (NOC, Southampton)
- May 2011 Del Mar Buoy Recovery, 2 days (*R/V R. G. Sproul*). Chief Scientist: Dr. Uwe Send (SIO)
- January 2009 DIMES US 1. Diapycnal and isopycnal mixing in the Southern Ocean, 48 days (*R/V Roger Revell*). Chief Scientist: Dr. James Ledwell (WHOI)
- October 2006 STRATUS 7. Mooring recovery and deployment, 19 days (*R/V Ronald H. Brown*). Chief Scientist: Dr. Robert Weller (WHOI)
- September 2006 GEF Patagonia III. Repeat hydrography cruise of the Patagonian shelf, 25 days. (*R/V ARA Puerto Deseado*). Chief Scientist: Prof. Alberto Piola (UBA)
- March 2006 GEF Patagonia II. Repeat hydrography cruise of the Patagonian shelf, 30 days. (*R/V ARA Puerto Deseado*). Chief Scientist: Prof. Alberto Piola (UBA)

Summer schools: August 2008 Physics of the climate system. Utrecht University, The Netherlands. Principal lecturers: Dr. W.P.M. de Ruijter and Dr. H.A. Dijkstra
June 2007 Satellite Remote Sensing in Biological Oceanography. Cornell University. PL: Dr. Bruce Monger
March 2007 Advanced School in High Performance Computing Tools. International Centre for Theoretical Physics (ICTP), Italy. Principal lecturers: Dr. S. Cozzini and Dr. A. Kohlmeyer

Fellowships awarded: 2011-2007-2008 NASA Earth and Space Science Fellowship Program – Grant 'NNX11AL55H'
Undergraduate research assistant fellowship awarded by Inter-American Institute for Global Change Research (IAI). Oceanic Related Global and Climate Changes in South America
June-July 2007 Undergraduate guest student at WHOI. Supervisor: Dr. Robert Weller. Fellowship awarded by the Cooperative Institute for Climate and Ocean Research (CICOR)
2006 Undergraduate research fellowship awarded by Fundacion Antorchas.