

Curriculum Vitae

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Degrees: Florida State University, **Ph.D. Physical Oceanography**, 2001.
Thesis Title: "Mesoscale Variability Along the Southwest Coast of Mexico Induced by Oceanic and Atmospheric Remote Forcings". Thesis advisor Dr. James O'Brien.

Centro de Investigación Científica y Educación Superior de Ensenada (CICESE), **MS. Physical Oceanography**, 1992.
Thesis Title: "On the effect of the Alongshore Pressure Gradient on a Coastal Circulation Model over the Continental Shelf". (In Spanish). Thesis advisor Dr. Manuel López.

Universidad Autónoma de Baja California, **BS. Oceanology**, 1987.
Thesis title: "Evolution of Sediment Dispersion Using Ray Theory". (In Spanish). Thesis advisor. Dr. José Luis Ochoa.

Present Position: Assistant Scholar Scientist, Center for Ocean and Atmospheric Prediction Studies (Florida State University) -- Naval Research Laboratory, National Aeronautics and Space Administration (NASA) John C. Stennis Space Center, Mississippi.

Awards and Honors: American Geophysical Union, **Geophysical Research Letters Cover Illustration**, December 2002.
Fullbright, Graduate student scholarship **1995-98**.
Universidad Autónoma de Baja California, **Teaching award** 1994-95.
Centro de Investigación Científica y Educación Superior de Ensenada, **Graduate student scholarship** 1992.
Mexican National Council for Science and Technology, **Graduate student scholarship** 1989-91.
Universidad Autónoma de Baja California, **Undergraduate student scholarship** 1985-87.

Professional Experience

(a) Researcher:

2007-present Assistant Scholar Scientist, Center for Ocean and Atmospheric Prediction Studies (Florida State University) -- Naval Research Laboratory, National Aeronautics and Space Administration (NASA) John C. Stennis Space Center, Mississippi.

2005-2007 Research Associate, Center for Ocean and Atmospheric Prediction Studies (Florida State University) -- Naval Research Laboratory, National Aeronautics and Space Administration (NASA) John C. Stennis Space Center, Mississippi.

2001-2004 Postdoctoral Associate, Center for Ocean and Atmospheric Prediction Studies (Florida State University) -- Naval Research Laboratory, National Aeronautics and Space Administration (NASA) John C. Stennis Space Center, Mississippi.

(b) Graduate Research Assistant:

1995-2001 Center for Ocean and Atmospheric Prediction Studies, Florida State University.

(c) Teaching:

1994-1995 Head of Mathematics Department, School of Marine Sciences, Universidad Autónoma de Baja California, Mexico.

1991-1995 Full time teaching position, School of Marine Sciences, Universidad Autónoma de Baja California, Mexico.

(d) Refereed Articles:

Zamudio, L., P. J. Hogan, and E. J. Metzger (2008), Summer generation of the Southern Gulf of California eddy train. *J. Geophys. Res.*, 113, C06020, doi:10.1029/2007JC004467.

Zamudio, L., E. J. Metzger, and P. J. Hogan (2008), A note on coastally trapped waves generated by the wind at the northern Bight of Panama, *Atmósfera*, 21(3), 241-248.

Zamudio, L., and P. J. Hogan (2008), Nesting the Gulf of Mexico in Atlantic HYCOM: Oceanographic Processes Generated by Hurricane Ivan. *Ocean Modelling*, doi:10.1016/j.ocemod.2007.12.002, 21(3-4), 106-125.

Zamudio, L., H. E. Hurlburt, E. J. Metzger, and C. Tilburg (2007), Tropical wave-induced oceanic eddies at Cabo Corrientes and the María Islands, Mexico, *J. Geophys. Res.*, 112, C05048, doi:10.1029/2006JC004018.

- Zamudio, L., H. E. Hurlburt, E. J. Metzger, S. L. Morey, J. J. O'Brien, C. Tilburg, and J. Zavala-Hidalgo (2006), Interannual variability of Tehuantepec eddies, *J. Geophys. Res.*, 111, C05001, doi:10.1029/2005JC003182.
- Zavala-Hidalgo, J., S. L. Morey, J. J. O'Brien, and L. Zamudio (2006), On the Loop Current eddy shedding variability, *Atmósfera*, 19 (1), 41-48.
- Palacios-Hernández, E., L. Carrillo, M. F. Lavín, L. Zamudio, and A. García-Sandoval (2006), Hydrography and circulation in the Northern Gulf of California during winter of 1994-1995, *Continental Shelf Research*, 26, 82-103.
- López, M., L. Zamudio, and F. Padilla (2005), Effects of the 1997-1998 El Niño on the exchange of the northern Gulf of California. *J. Geophys. Res.*, 110, C11005, doi:10.1029/2004JC002700.
- Zamudio, L., H. E. Hurlburt, E. J. Metzger, and O. M. Smedstad (2002), On the Evolution of Coastally Trapped Waves Generated by Hurricane Juliette Along the Mexican West Coast, *Geophysical Res. Lett.*, **29(23)**, 2141, doi:10.1029/2002GL014769.
- Zamudio, L., A. P. Leonardi, S. D. Meyers, and J. J. O'Brien (2001), ENSO and Eddies on the Southwest Coast of Mexico, *Geophysical Res. Letters*, **28(1)**, 13-16.
- Bourassa, M. A., L. Zamudio, and J. J. O'Brien (1999), Noninertial flow in NSCAT observations of Tehuantepec winds. *J. Geophys. Res.*, 104, 11,311-11,319.
- Zamudio, L. and M. López (1994), On the Effect of the Alongshore Pressure Gradient on Numerical Simulations over the Northern California Continental Shelf. *J. Geophys. Res.*, **99**, 16,117-16,129.

(e) Journal referee (2001-present) for:

Journal of Geophysical Research
 Geophysical Research Letters
 Progress in Oceanography
 Deep Sea Research
 Continental Shelf Research
 Journal of Physical Oceanography
 Estuarine, Coastal and Shelf Science

(f) Oceanographic Campaign:

Participation aboard "EL PUMA" Oceanography Vessel in the CICESE-8511 Oceanographic Campaign in the Gulf of California.