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EDUCATION

1985 B.S., Oceanology, Universidad Autónoma de Baja California, México
1988 M.S., Marine Environmental Sciences, SUNY at Stony Brook, NY.
1992 Ph.D., Oceanography, SUNY at Stony Brook, NY.

EXPERIENCE

1993-1995 Research Assistant Professor, Center for Coastal Physical Oceanography, Old Dominion University
1996-2000 Assistant Professor, Ocean, Earth and Atmospheric Sciences Department, Old Dominion University
1999 Adjunct Professor, Centro de Investigación Científica y de Educación Superior de Ensenada, México
2001-2005 Associate Professor, Ocean, Earth and Atmospheric Sciences Department, Old Dominion University
2005-2008 Associate Professor, Civil and Coastal Engineering Department, University of Florida
2008-Present Professor, Civil and Coastal Engineering Department, University of Florida
2010-Present Distinguished Professor, Universidad Católica del Norte, Chile

PEER-REVIEWED PUBLICATIONS

- 1) Alvarez, L., A. Badan-Dangon and A. Valle. 1989. On coastal currents off Tehuantepec. *Estuarine Coastal and Shelf Science*, 29:89-96.
- 2) Swanson, R.L. and A. Valle-Levinson. 1990. Meteorological conditions that kept Long Island and New Jersey beaches free of floatables during the summer of 1989. *Journal of Environmental Systems*, 20(1):53-69.
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- 13) Wheless, G.H. and A. Valle-Levinson. 1996. A modeling study of tidally driven estuarine exchange through a narrow inlet onto a sloping shelf. *J. Geophys. Res.* 25,675-25,687.
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- 15) Wheless, G.H., C.M. Lascara, A. Valle-Levinson, D.P. Brutzman, W. Sherman, W.L. Hibbard, and B. Paul. 1996. Virtual Chesapeake Bay: interacting with a coupled physical/biological model. *IEE Computer Graphics and Applications*, 16(4), 52-57.
- 16) Valle-Levinson, A. and J. O'Donnell. 1996. Tidal interaction with buoyancy driven flow in a coastal plain estuary. *Coastal and Estuarine Studies volume 53, Buoyancy Effects on Coastal and Estuarine Dynamics*, edited by David G. Aubrey and Carl T. Friedrichs, Am. Geophys. Union, Washington, DC., pp. 265-281.

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CONFERENCE PROCEEDINGS

Gabriel Gallegos D. B., Ismael Mariño-Tapia, and Arnoldo Valle Levinson (2016) Effects of Gravity Waves on Turbulence and Processes that Contribute to Mixing at a Submarine Groundwater Discharge. Journal of Coastal Research: Special Issue 75 - Proceedings of the 14th International Coastal Symposium, Sydney, 6-11 March 2016: pp. 856 – 860.

PRESENTATIONS AT PROFESSIONAL MEETINGS (last 10 years only; # denotes invited presentation; & denotes member of Conference Steering or Organizing Committee)

February 26, 2016. Arnoldo Valle-Levinson, Andrea Dutton, Jon Martin. Anomalous Sea Level Rise in the Southeastern United States From 2011 To 2015, Ocean Sciences Meeting, New Orleans, LA

February 26, 2016. Parra, Sabrina, Arnoldo Valle-Levinson, Peter Adams, Juan Felipe Paniagua, Linkage between Gulf Stream and inner shelf subtidal flow variations off Cape Canaveral. Ocean Sciences Meeting, New Orleans, LA.

February 24, 2016. Maitane Olabarrieta, Arnoldo Valle-Levinson. Linkage between El Niño and meteotsunamis incidence in the northern Gulf of Mexico. Ocean Sciences Meeting, New Orleans, LA.

February 23, 2016. Armando Laurel, Arnoldo Valle-Levinson. Competition between river discharge and tidal forcing in defining sea level in a subtropical estuary. Ocean Sciences Meeting, New Orleans, LA.

February 23, 2016. Wei Liu, Ming Li, Robert Chant, Arnoldo Valle-Levinson. Lateral flow as

- related to vorticity dynamics in a coastal plain estuary. Ocean Sciences Meeting, New Orleans, LA.
- February 22, 2016. Leonardo Tenorio, Jose Gomez-Valdez, Arnolde Valle-Levinson, Subtidal hydrodynamics in a tropical lagoon during the transition from dry to wet seasons, Ocean Sciences Meeting, New Orleans, LA.
- November 19, 2015. Arnolde Valle-Levinson, Andrea Dutton, Jon Martin, Anomalous sea level rise in the Southeastern United States from 2011 to 2015.. MarCUBA 2015, La Havana.
- November 18, 2015. Smith, Ryan, H., Arnolde Valle-Levinson, Vassiliki H. Kourafalou, Current observations at Pulley Ridge mesophotic reef: results from a three-year time series of moored ADCP data. MarCUBA 2015, La Havana.
- November 9, 2015. Arnolde Valle-Levinson, Jackie BranyonG, Jon Martin, Caitlin Young, Andrea PainG, Ismael Mariño, Mario Rebolledo The upside-down tropical estuary: rotating the reference frame by 90 degrees. Coastal and Estuarine Research Federation Meeting. Portland, OR
- November 9, 2015. Kimberly HuguenardA, Arnolde Valle-Levinson, Ming Li, Robert Chant, Alejandro Souza Influence of tidal mixing asymmetries on residual exchange flow in the James River estuary. Coastal and Estuarine Research Federation Meeting. Portland, OR
- November 9, 2015. Perales, Hector; Sanay, Rosario; Marín, Mark; Valle-Levinson, Arnolde. Wind influence on water exchange in a salt wedge estuary of the SW-Gulf of Mexico. Coastal and Estuarine Research Federation Meeting. Portland, OR
- November 9, 2015. Sanay-Gonzalez, Rosario; Perales-Valdivia, Héctor; Marín-Hernández, Mark; Valle-Levinson, Arnolde. Seasonal variability of hydrography over the SW Gulf of Mexico inner shelf. Coastal and Estuarine Research Federation Meeting. Portland, OR
- November 9, 2015. Branyon, JackieG; Valle-Levinson, Arnolde; Parra, SabrinaA.; Marino-Tapia, Ismael. Predicting submarine groundwater discharge and turbulence dissipation using Bernoulli dynamics. Coastal and Estuarine Research Federation Meeting. Portland, OR
- November 9, 2015. Nascimento, Fernanda; Valle-Levinson, Arnolde; Sottolichio, Aldo; Senechal, Nadia. Wind-induced subtidal flow in a mixed-energy tidal inlet. Coastal and Estuarine Research Federation Meeting. Portland, OR
- November 18, 2015. Smith, Ryan, H., Arnolde Valle-Levinson, Vassiliki H. Kourafalou, Current observations at Pulley Ridge mesophotic reef: results from a three-year time series of moored ADCP data. MarCUBA 2015, La Havana.
- November 19, 2015. Arnolde Valle-Levinson, Andrea Dutton, Jon Martin, Anomalous sea level rise in the Southeastern United States from 2011 to 2015.. MarCUBA 2015, La Havana.
- &October 20th, 2014. Ross, L.; Valle-Levinson, A.; Castro, L. and Pérez-Santos, I.; Monthly modulation of internal tides and plankton vertical migrations in a Patagonian Fjord, Physics of Estuaries and Coastal Seas, Porto de Galinhas, Brazil.
- &October 21st, 2014. Parra, S.; Mariño-Tapia, I.; Enríquez, C. and Valle-Levinson, A. Point-Source Submarine Groundwater Discharge Variations During the Dry and Wet Periods. Physics of Estuaries and Coastal Seas, Porto de Galinhas, Brazil.
- &October 22nd, 2014. Valentim, S.S.; Menezes, M.O.B. and Valle-Levinson, A. Physical characterization of the Coreaú river estuary, CE, Brazil. Physics of Estuaries and Coastal Seas, Porto de Galinhas, Brazil.
- &October 23rd, 2014. Valle-Levinson, A. and C.A.F. Schettini. Fortnightly switching of residual flow drivers in a tropical semiarid estuary. Physics of Estuaries and Coastal Seas, Porto de Galinhas, Brazil.

- February 28, 2014. Branyon, J. M.; Valle-Levinson, A.; Intratidal and residual circulation associated with two fringing reef lagoon inlets, Ocean Sciences Meeting, Hawaii.
- February 28, 2014. Franklin, G. L.; Mariño-Tapia, I.; Torres-Freyermuth, A.; Valle-Levinson, A.; Enriquez, C.; Observations of spectral wave transformation across the surf zone of coral reefs, Ocean Sciences Meeting, Hawaii.
- February 27, 2014. Mariño Tapia, I.; Enriquez, C.; Franklin, G. L.; Valle-Levinson, A.; Coral degradation, submarine groundwater discharges, and implications for reef hydrodynamics, Ocean Sciences Meeting, Hawaii.
- February 26, 2014. Valle-Levinson, A.; Olabarrieta, M.; Van Horn, J.; Semidiurnal perturbations to the surge of hurricanes affecting Eastern US, Ocean Sciences Meeting, Hawaii.
- #January 26, 2014. Here comes the sea. We should be prepared! Arnoldo Valle-Levinson. Invited seminar at University of Sinaloa, Mexico.
- #November 8, 2013. Semidiurnal perturbations to storm surges on the eastern seaboard of the U.S. Arnoldo Valle-Levinson. Invited seminar at CICESE.
- &November 4, 2013. Depicting short events of river discharge on tidal signal using wavelets. Truccolo, Eliane C.; Schettini, Carlos A.; Almeida, Luiz E.; Valle-Levinson, Arnoldo. Coastal and Estuarine Research Federation Meeting. San Diego, CA.
- &November 4, 2013. Fortnightly variability of hydrography and exchange flows in a tropical semiarid estuary during dry and wet seasons. Carlos Schettini, Arnoldo Valle-Levinson, Ernesto Domingues, Kimberly Arnott, Bárbara Paiva, Jacqueline Branyon, Felipe Frota, Jennifer Ross, José Cavalcante, Sabrina M. Parra. Coastal and Estuarine Research Federation Meeting. San Diego, CA.
- &November 5, 2013. Response of a subtropical stratified estuary to river pulses. Valle-Levinson, Arnoldo; Schettini, Carlos; Truccolo, Eliane. Coastal and Estuarine Research Federation Meeting. San Diego, CA.
- &November 5, 2013. Three-dimensional dynamics of sediment trapping in tide-dominated estuaries, an exploratory model. Huib de Swart, Erik Ensing, Henk Schuttelaars, Arnoldo Valle-Levinson. Coastal and Estuarine Research Federation Meeting. San Diego, CA.
- #September 6, 2013. Semidiurnal perturbations to storm surges on the eastern seaboard of the U.S. Arnoldo Valle-Levinson. Invited seminar at University of Delaware.
- #June 25, 2013. Salt intrusion in coastal areas at the imminent sea level rise: should we worry? Keynote address after being named a Corresponding Member of the Mexican Academy of Science.
- #May 28, 2013. Physical factors to consider for emplacement of aquaculture farms in fjords. Workshop on carrying capacity in Chilean fjords. Coyhaique, Chile.
- &May 16, 2013. L. Ross, I. Perez, A. Valle-Levinson. Semidiurnal internal tides in a Patagonian fjord. Meeting of the Americas, Cancun, Mexico.
- &May 16, 2013. J.M. Branyon, M. Olabarrieta, A. Valle-Levinson. Semidiurnal perturbations to the surge of Hurricane Irene. Meeting of the Americas, Cancun, Mexico.
- &May 16, 2013. A. Valle-Levinson; C. A. F. Schettini; E. C. Truccolo. Response of a Sub-Tropical Salt-Wedge Estuary to River Pulses. Meeting of the Americas, Cancun, Mexico.
- &May 16, 2013. S. M. Parra; I. Marino-Tapia; C. Enriquez; A. Valle-Levinson. Saltwater intrusion at a buoyant jet discharge in a fringing reef lagoon. Meeting of the Americas, Cancun, Mexico.
- April 8, 2013. A. Valle-Levinson, Recent findings on estuarine hydrodynamics. European Geosciences Meeting, Vienna, Austria.

- April 8, 2013. A. Valle-Levinson, M. Olabarrieta, and A. Valle. Semidiurnal perturbations to the surge of Hurricane Sandy. European Geosciences Meeting, Vienna, Austria.
- #March 21, 2013. Contemporary concepts on the hydrodynamics of semi-enclosed systems: does it matter how wide and how deep? Invited seminar at University of Bordeaux, France.
- #March 15, 2013. Contemporary concepts on hydrodynamics of semi-enclosed systems: What's the importance of width and depth? Campus do Mar Keynote Presentation, University of A Coruña, Spain.
- #February 27, 2013. Recent advances in the study of estuarine hydrodynamics, invited seminar at the Institute of Marine Sciences, Venice, Italy.
- #February 6, 2013. Recent findings in the hydrodynamics of semienclosed basins, invited seminar at the Hydraulics Institute, University of Cantabria, Spain.
- #January 15, 2012. Adjustment to the paradigm of net circulation and diel vertical migrations in fjords, invited seminar at the Centro Andaluz del Medio Ambiente, Granada, Spain.
- #January 17, 2012. Recent advances in the study of estuarine hydrodynamics, invited seminar at the Centro Andaluz del Medio Ambiente, Granada, Spain.
- #December 14, 2012. Recent advances in the study of estuarine hydrodynamics, invited seminar at University of Girona, Spain.
- #November 23, 2012. Adjustment to the paradigm of net circulation and diel vertical migrations in fjords. Invited seminar at Institute of Marine Sciences, Barcelona, Spain.
- #November 16, 2012, Hydrodynamics in semienclosed basins, invited plenary presentation at "Encuentro de Oceanografía Física" Meeting, Madrid, Spain.
- #October 23, 2012. Recent findings in the study of hydrodynamics in semienclosed basins, invited seminar at Institute of Marine Sciences, Barcelona, Spain.
- #October 3, 2012. Recent findings in the study of hydrodynamics in semienclosed basins, invited seminar at National Ocean Center, Liverpool, England.
- #August 30, 2012. Modification to the paradigm of net circulation in fjords, invited presentation at the 11th International Workshop on Multi-scale (Un)-structured mesh numerical Modelling for coastal, shelf and global ocean dynamics. Delft, The Netherlands.
- #August 29, 2012. Recent findings in the study of hydrodynamics in semienclosed basins, invited seminar at the Helmholtz-Centrum Geesthacht, Germany.
- #August 23, 2012. Recent findings in the study of hydrodynamics in semienclosed basins, invited seminar at the Institute of Marine and Atmospheric Sciences, Utrecht University, The Netherlands.
- &August 16, 2012. M. Li, Y. Li, P. Cheng, W. Liu, R. Chant, and A. Valle-Levinson. Vorticity Dynamics of Secondary Circulations in Idealized and Realistic Estuaries. Physics of Estuaries and Coastal Seas Conference, New York, NY.
- &August 15, 2012. Ross, L., I. Perez & A. Valle-Levinson. Internal tides in a Chilean fjord. Physics of Estuaries and Coastal Seas Conference, New York, NY.
- &August 15, 2012. Parra, S., I. Mariño-Tapia, C. Enriquez, & A. Valle-Levinson. Tide and Wave-Induced Variations in Turbulent Kinetic Energy at a Buoyant Jet Discharge. Physics of Estuaries and Coastal Seas Conference, New York, NY.
- &August 14, 2012. Franklin G., I. Mariño-Tapia, A. Torres-Freyermuth, A. Valle-Levinson and C. Enriquez. Effect of reef roughness on wave set-up and surf zone currents. Physics of Estuaries and Coastal Seas Conference, New York, NY.
- &August 14, 2012. Ensing, E., L. Ross, H. de Swart, H. Schuttelaars, A. Valle-Levinson. Three-dimensional tidal flows in estuaries with converging width and a slippery bottom: a simple

- model. Physics of Estuaries and Coastal Seas Conference, New York, NY.
- &August 14, 2012. Valle-Levinson, A., M. Caceres & O. Pizarro. Residual Circulation in Fjords: Is It 2-Layered or 3-Layered? Physics of Estuaries and Coastal Seas Conference, New York, NY.
- &August 14, 2012. Arnott, K., A. Valle-Levinson, R. Chant, & M. Li. Temporal Variability of Dissipation from Channel to Channel Slope in a Coastal Plain Estuary. Physics of Estuaries and Coastal Seas Conference, New York, NY.
- &August 13, 2012. Schettini, C., L. Bezerra, B. Paiva, E. Truccolo, & A. Valle-Levinson. Circulation and hydrography of semi-arid Brazilian low-inflow estuaries Physics of Estuaries and Coastal Seas Conference, New York, NY.
- #July 26, 2012. Adjustment to the paradigm of net circulation and diel vertical migrations in fjords. Invited seminar at the Netherlands Institute of Sea Research, Texel.
- #June 28, 2012. Adjustment to the paradigm of net circulation and diel vertical migrations in fjords. Invited seminar at the Institute of Marine and Atmospheric Sciences, Utrecht University, The Netherlands.
- #May 2, 2012. Estuarine variability. Invited presentation at Workshop on carrying capacity of Estero Real, Nicaragua.
- Apr 21, 2012. Modelling lateral distribution of waves, currents and bedload transport in an estuarine cross-section. de Swart, H., Waterhouse, A., Valle-Levinson, A. European Geosciences Union. Vienna, Austria.
- Feb 21, 2012. Li, M.; Liu, W.; Cheng, P.; Chant, R.; Valle-Levinson, A.; Lateral circulation in James River estuary and its effect on estuarine exchange flows: a numerical modeling study. Ocean Sciences Meeting, Salt Lake City, UT.
- Feb 21, 2012. Guerra, G. E.; Valle-Levinson, A.; Curvature effects on water exchange at the entrance to a tropical estuary. Ocean Sciences Meeting, Salt Lake City, UT.
- Feb 23, 2012. Parra, S. M.; Valle-Levinson, A.; Mariño, I.; Enriquez, C.; Tide and wave-induced variations in turbulent kinetic energy at a buoyant jet discharge. Ocean Sciences Meeting, Salt Lake City, UT.
- Feb 20, 2012. Arnott, K. D.; Valle-Levinson, A.; Chant, R.; Li, M.; Comparison of intratidal variations of shear production, turbulence dissipation, and mixing across an estuary. Ocean Sciences Meeting, Salt Lake City, UT.
- Feb 21, 2012. Hunter, E. J.; Chant, R. J.; Valle-Levinson, A.; Lagrangian observations in the James River estuary - 2010: dye injections, lateral mixing and the spring-neap cycle. . Ocean Sciences Meeting, Salt Lake City, UT.
- Feb 21, 2012. Chant, R. J.; Guo, J. D.; Hunter, E.; Valle-Levinson, A.; Dynamics of lateral circulation in a coastal plain estuary. Ocean Sciences Meeting, Salt Lake City, UT.
- #Jan 30, 2012. Potential role of glacial fjords in climate change. Invited seminar at the Marine Sciences Department, University of Valparaiso.
- #Jan 5, 2012. Adjustments to two paradigms in Oceanography. Invited seminar at the University of Concepcion, Chile.
- #Dec 28, 2011. Importance of studying fjord hydrodynamics. Invited seminar at Civil and Oceanic Engineering of University of Valparaiso.
- #Dec 6, 2011. Physical mechanisms driving circulation in Patagonic fjords. Invited seminar at the Marine Sciences Department, University of Valparaiso.
- Nov 10, 2011. Lagrangian studies in narrow and wide estuaries. Chant, R., Valle-Levinson, A., Hunter, E., Guo, J. Coastal and Estuarine Research Federation Meeting, Daytona Beach,

- Florida.
- Nov 10, 2011. Tidal and lateral asymmetry in stratification in a coastal plain estuary. Basdurak, N., Valle-Levinson, A. Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 10, 2011. Lateral structure of turbulent dissipation in an estuary from neap to spring tides. Arnott, K. D., Valle-Levinson, A., Li, M., Chant, R., Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 10, 2011. Relative influence of Coriolis and advective accelerations in a coastal plain estuary. Valle-Levinson, A., Chant, R., Li, M. Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 9, 2011. Lagrangian observations over a region influenced by the Mobile Bay outflow plume. Ross, J. L., Webb, B. M., Dzwonkowski, B., Park, K., Valle-Levinson, A., Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 8, 2011. Subtidal variability in the water levels in the St. Johns River. Henrie, K., A. Valle-Levinson. Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 8, 2011. Response of the James River estuary's longitudinal density gradient to river input. Maticka, S., Valle-Levinson, A. Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 7, 2011. Tidal asymmetries in velocities and stratification over a hollow of a tropical inlet. Waterhouse, A., Valle-Levinson, A., Morales, R. Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 7, 2011. Tide and wave-induced variations in turbulent kinetic energy at a buoyant jet discharge. Parra, S. M., Mariño, I., Enriquez, C., Valle-Levinson, A., Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- Nov 7, 2011. Modelling lateral distribution of flow and bedload sediment transport in a tidal inlet. de Swart, H., Waterhouse, A., Valle-Levinson, A. Coastal and Estuarine Research Federation Meeting, Daytona Beach, Florida.
- #Oct 6, 2011. Recent Perspectives on Estuarine Dynamics. Second Congress on the Physical Oceanography, Meteorology and Climate of Southeastern Pacific, Coquimbo, Chile.
- Sep 6, 2011. Tide and wave-induced variations in turbulent kinetic energy at a buoyant jet discharge. Parra, S., Mariño, I., Enriquez, C., Valle-Levinson, A. Warnemünde Turbulence Days 2011, Germany.
- Sep 6, 2011. Comparison of intratidal shear production and turbulence dissipation from channel to shoal in an estuary. Arnott, K., Valle-Levinson, A., Chant, B., Li, M. Warnemünde Turbulence Days 2011, Germany.
- Aug 24, 2011. Intratidal variations of stratification and mixing across an estuary. K. Arnott, B. Chant, A. Valle-Levinson, M. Li. VII International Symposium on Stratified Flows, Rome, Italy.
- Aug 23, 2011. Observations on the lateral structure of wind-driven flows in a stratified embayment, C. Winant, A. Valle-Levinson, K. Winters, G. Gutierrez, C. Winant, A. Ponte. VII International Symposium on Stratified Flows, Rome, Italy.
- #Jan 11, 2011. Impact of record flooding of a subtropical river on estuary/ocean exchange. Seminar at Utrecht University. Institute of Marine and Atmospheric Physics. The Netherlands.
- #Dec 6, 2010. Basic hydrodynamic concepts to be considered for coastal aquaculture. A. Valle-Levinson. Workshop on aquaculture site selection and carrying capacity estimates for inland and coastal water bodies, Stirling, Scotland.

- #Oct 11, 2010. Impact of the 2009 Suwanee record flooding on water exchange in the lower estuary. Seminar at the University of South Florida, Civil and Environmental Engineering.
- &Sep 16, 2010. Tides in a system of connected estuaries. A. Waterhouse*, A. Valle-Levinson and C.D. Winant. Physics of Estuaries and Coastal Seas, Biennial Conference. Sri Lanka.
- &Sep 16, 2010. Using mode 12 ADCP measurements to describe gravity waves in a bay. C. Winant* and A. Valle-Levinson. Physics of Estuaries and Coastal Seas, Biennial Conference. Sri Lanka
- #Aug 26, 2010. Basic hydrodynamic concepts to be considered for coastal aquaculture . A. Valle-Levinson. Workshop on carrying capacity for aquaculture in Estero Real, Nicaragua. Chinandega.
- #Aug 12, 2010. Reassessment of fundamental estuarine hydrodynamics. A. Valle-Levinson. American Geophysical Union Meeting of the Americas. Foz do Iguassu, Brazil.
- #Jul 9, 2010. Reassessment of fundamental estuarine hydrodynamics. A. Valle-Levinson. Workshop on coastal oceanography of the Yucatan Peninsula. Merida, Mexico
- Feb 26, 2010. Thermohaline and Flow Variability Associated with Intense Submarine Groundwater Discharges (SGD) in the Coastal Ocean. I. Marino-Tapia; C. E. Enriquez; A. Valle-Levinson; I. Vera. Ocean Sciences Meeting. Portland, Oregon.
- #Feb 25, 2010. Relative role of Coriolis and advective accelerations on the dynamics of a coastal plain estuary. A. Valle-Levinson; R. Chant; M. Li. Ocean Sciences Meeting. Portland, Oregon.
- Feb 25, 2010. High frequency wind-waves in a basin: comparison between linear theory and ADCP observations. C. D. Winant; A. Valle-Levinson. Ocean Sciences Meeting. Portland, Oregon.
- Feb 25, 2010. Lagrangian Observations in the James River Estuary: Implications for Diapycnal Mixing and Secondary Circulation. E. J. Hunter; R. Chant; A. Valle-Levinson; M. Li. Ocean Sciences Meeting. Portland, Oregon.
- Feb 25, 2010. Influence of bathymetry and buoyant outflow plume dynamics at an estuary/ocean transition. J. Lee; A. Valle-Levinson; P. Cheng; J. A. Austin; J. M. Pringle. Ocean Sciences Meeting. Portland, Oregon.
- Feb 25, 2010. Effects of a scour pit on the flow through a narrow inlet to a tropical lagoon . A. F. Waterhouse; A. Valle-Levinson; R. A. Morales Perez; H. Velez. Ocean Sciences Meeting. Portland, Oregon.
- Feb 22, 2010. The influence of lateral advection on estuarine exchange at a Chesapeake Bay tributary. N. B. Basdurak; A. Valle-Levinson. Ocean Sciences Meeting. Portland, Oregon.
- Feb 22, 2010. Wind driven dynamics inside a semi-enclosed coastal basin, Bahia Concepcion, Baja Mexico. A. L. Ponte; C. Winant; K. B. Winters; A. Valle-Levinson; G. Gutierrez de Velasco. Ocean Sciences Meeting. Portland, Oregon.
- &Nov 5, 2009. Hydrographic Patterns at the Transition between a Subterranean Estuary and the Coastal Ocean. A. Valle-Levinson; I. Mariño; C. Enriquez. Coastal and Estuarine Research Federation Meeting, Portland, Oregon.
- &August 29, 2008, P. Cheng, A. Valle-Levinson, The role of advection on estuarine hydrodynamics, Biennial Conference of the Physics of Estuaries and Coastal Seas, Liverpool, England.
- &August 29, 2008, A. Ponte, G. Gutiérrez de Velasco, A. Valle-Levinson, C. Winant, K. Winters, Wind driven circulation in a semi-enclosed and well-mixed bay, Bahía Concepción, Biennial Conference of the Physics of Estuaries and Coastal Seas, Liverpool, England.
- &August 29, 2008, Waterhouse, A., A. Valle-Levinson, Modulation of tidal residual flows in a North-Florida Inlet, Biennial Conference of the Physics of Estuaries and Coastal Seas,

- Liverpool, England.
- March 4, 2008, Murphy, P L; Valle-Levinson, A; Tidal and Residual Circulation in St. Andrew Bay, FL, Ocean Sciences Meeting, in Orlando, FL.
- March 4, 2008, Waterhouse, A F; Valle-Levinson, A; Spatial Structure of Tidal and Residual Flows at a Tidal Inlet, Ocean Sciences Meeting, in Orlando, FL.
- March 4, 2008, Lee, J; Valle-Levinson, A; Austin, J; Pringle, J; Modeling Of Wind-Driven Interactions At The Estuary/Ocean Transition, Ocean Sciences Meeting, in Orlando, FL.
- March 4, 2008, Winant, C D; Valle-Levinson, A; Observations Of Wave- And Wind-Induced Reynolds Stresses In A Windy Bay, Ocean Sciences Meeting, in Orlando, FL.
- March 3, 2008, Cheng, P; Valle-Levinson, A; Hydrodynamics Over Hollows In Estuaries, Ocean Sciences Meeting, in Orlando, FL.
- March 3, 2008, Valle-Levinson, A; Guo, X; Flow Interactions With A Bathymetric Depression In The Seto Inland Sea, Ocean Sciences Meeting, in Orlando, FL.
- November 7, 2007, Valle-Levinson, A., “Observations of Residual Exchange Flows in Subtropical Estuaries” presentation at the Estuarine Federation Meeting in Providence Rhode Island.
- November 7, 2007, Ponte, A.; Gutiérrez de Velasco, G.; Valle-Levinson, A.; Winant, C.; Winters, K., “Circulation in a Semi-enclosed Bay Driven by Sea Level Variations and Wind.” presentation at the Estuarine Federation Meeting in Providence Rhode Island.
- #May 23, 2007, Valle-Levinson, A., “Estuary/ocean exchange as influenced by friction and width of cross-section” at the American Geophysical Union Joint Assembly, Acapulco, Mexico.
- April 18, 2007, Valle-Levinson, A., “Estuary/ocean exchange in terms of the Ekman and Kelvin numbers” at the European Geophysical Union meeting, Vienna, Austria.
- #December 13, 2006, Valle-Levinson, A., “Lateral structure of density-induced exchange flows: a test of numerical models performance” at the American Geophysical Union Fall meeting, San Francisco, California.
- November 28, 2006, Huijts, K., H., Schuttelaars, H. de Swart, A. Valle-Levinson, “Physical forces controlling hydrodynamics and sediment trapping across tidal estuaries” at the Nonlinear Dynamics of Natural Systems workshop for Mathematics in earth sciences, The Netherlands.
- &September 18, 2006, Sanay, R.* , H. Perales and A. Valle-Levinson, “Influence of Earth's rotation, curvature, buoyancy and wind stress on secondary circulation in a curved coastal plain estuary,” Biennial Conference of the Physics of Estuaries and Coastal Seas, Astoria, Oregon.
- &September 21, 2006, Framiñan, M. %, A. Valle-Levinson, H. A. Sepulveda*, “Subtidal variability at the turbidity front in the Rio de la Plata Estuary: momentum balance,” Biennial Conference of the Physics of Estuaries and Coastal Seas, Astoria, Oregon.
- &September 18, 2006, Valle-Levinson, A., G. Gutierrez, C. Winant, K. Winters, “Wind-induced Reynolds stresses in a rotating semienclosed basin: Bahia Concepcion,” at the Biennial Conference of the Physics of Estuaries and Coastal Seas, Astoria, Oregon.
- April 11, 2006, Valle-Levinson, A., K. Holderied, C. Li, “Flow patterns at the turning region of a wide plume,” presented at the Coastal Ocean Symposium, Bangor, Wales.
- February 22, 2006, Valle-Levinson, A., G. Gutierrez, C. Winant, K. Winters, “Spatial structure of wind-induced flow in a rotating semienclosed basin: Bahia Concepcion,” presented at the Ocean Sciences Meeting, Honolulu, Hawaii.
- February 22, 2006, Caliskan, H, G. Gutierrez, A. Ponte, A. Valle-Levinson, C. Winant, K. Winters, “Wind wave climatology in a semienclosed basin: Bahia Concepcion,” presented at the Ocean Sciences Meeting, Honolulu, Hawaii.

- February 24, 2006, Ponte, A., A. Valle-Levinson, Winant, C., G. Gutierrez, K. Winters, “Drifters observation in a bay driven by wind and tide: Bahia Concepcion,” presented at the Ocean Sciences Meeting, Honolulu, Hawaii.
- February 23, 2006, Narvaez, D., A. Valle-Levinson, “Wind-induced barotropic flow at the mouth of a small estuary,” presented at the Ocean Sciences Meeting, Honolulu, Hawaii.
- February 23, 2006, Piñones, M.A., A. Valle-Levinson, “Tidally induced transport at the entrance to a coastal plain estuary,” presented at the Ocean Sciences Meeting, Honolulu, Hawaii.
- &October, 19, 2005, Filippino, K.C., M. Mulholland, P. Bernhardt, J. Austin and A. Valle-Levinson, “Evaluation of nutrient distributions at the Chesapeake Bay Mouth: physical and biological implications” presentation at the Estuarine Research Federation, Norfolk, Virginia.
- &October, 19, 2005, Framiñan, M., A. Valle-Levinson, H. Sepulveda, O. Brown, “Circulation, shear and flow convergence at a strong estuarine turbidity front” presentation at the Estuarine Research Federation, Norfolk, Virginia.
- &October, 19, 2005, Lane, R., A. Valle-Levinson, “Salt fluxes at the Chesapeake Bay entrance,” presentation at the Estuarine Research Federation, October 16-20, 2005, Norfolk, Virginia.
- &October, 18, 2005, Narvaez, D., A. Valle-Levinson, “Exchange hydrodynamics between a subestuary and a larger estuary,” presentation at the Estuarine Research Federation, Norfolk, Virginia.
- &October, 16, 2005, Salas-Monreal, D., A. Valle-Levinson, “Dynamics of stratified flows over hollows,” presentation at the Estuarine Research Federation, Norfolk, Virginia.
- &October, 18, 2005, Piñones, M.A., A. Valle-Levinson, “Tidal properties at the Chesapeake Bay entrance,” presentation at the Estuarine Research Federation, Norfolk, Virginia.
- &October, 18, 2005, Riveron-Enzastiga, M. and A. Valle-Levinson, “Fortnightly variability of exchange at the Lafayette River,” presentation at the Estuarine Research Federation, Norfolk, Virginia.
- Nov 4-5, 2004, A. Valle-Levinson and R. Sanay, “The role of friction and Earth’s rotation on water exchange in semi-enclosed basins,” MidAtlantic Bight Physical Oceanography and Meteorology Meeting at the Virginia Institute of Marine Science.
- Nov 4-5, 2004, C. Friedrichs, M. Scully and A. Valle-Levinson, “Across-channel tidal velocity in straight, weakly-stratified estuaries,” MidAtlantic Bight Physical Oceanography and Meteorology Meeting at the Virginia Institute of Marine Sciences.
- &October 18-22, 2004, Valle-Levinson, A., J.L. Blanco, and M. Frangopulos, “Intratidal variability of flow and density structure in a Magellan glacial fjord.” XII Biennial Conference on the Physics of Estuaries and Coastal Seas in Merida, Yucatan, Mexico.
- &October 18-22, 2004, Holderied, K and A. Valle-Levinson, “Characterizing Estuarine-shelf Exchange from ADCP and Satellite Measurements,” XII Biennial Conference on the Physics of Estuaries and Coastal Seas in Merida, Yucatan, Mexico.
- &October 18-22, 2004, Molinet, C., A. Valle-Levinson, M. Bello, M. Castillo, M. Caceres and C. Moreno, “Frontogenesis and its effect on larvae accumulation in an inlet of the Chilean Inland Sea,” XII Biennial Conference on the Physics of Estuaries and Coastal Seas in Merida, Yucatan, Mexico.
- &October 18-22, 2004, Cruz, M.E., S. Monismith, A. Valle-Levinson, J.A. Delgado and M. Benman, Hydrographic observations in a coastal lagoon of semidesertic climate: Tóbari Bay,” XII Biennial Conference on the Physics of Estuaries and Coastal Seas in Merida, Yucatan, Mexico.
- #June 16, 2004, Valle-Levinson, A., “High school teachers and students interacting with graduate

- students in hydrographic data collections,” American Society of Limnology and Oceanography Meeting, Savannah, GA.
- Jan 30, 2004, Valle-Levinson, A., G. Gutierrez, and A. Trasviña “Fortnightly variability of tidal residual flow in a hypersaline coastal lagoon” presented at Ocean Sciences Meeting in Portland, Oregon.
- &January 8, 2004, Valle-Levinson, A. “Reversible circulation pattern in subtropical and tropical coastal lagoons” presented at a Workshop on Mexican coastal lagoons in Veracruz, Mexico.
- Jan 27, 2004, Li,C., and A. Valle-Levinson, “Transports at the Chesapeake Bay Entrance,” Ocean Sciences Meeting in Portland, Oregon.
- #September 15, 2003 at the ERF meeting in Seattle, Washington, Valle-Levinson, A. “Effects of Friction, Bathymetry and Rotation on Estuary/Ocean Exchange”
- September 18, 2003 at the ERF meeting in Seattle, Washington, Sepulveda, A., A. Valle-Levinson and M. Framiñan^o, “Tidal and subtidal flows in the Rio de la Plata”
- September 17, 2003 at the ERF meeting in Seattle, Washington, Smythe, S. and A. Valle-Levinson, “Subtidal variability at the entrance to the Lafayette River”
- September 16, 2003 at the ERF meeting in Seattle, Washington, Sanay, R. and A. Valle-Levinson, “Wind-induced exchange in a homogeneous semi-enclosed system”
- #May 6, 2003 at the Chilean Marine Sciences Congress in Punta Arenas, Chile, Valle-Levinson, A. “Physical mechanisms that drive the circulation in Chilean Fjords”

GRANTS AWARDED

Atkinson, L.P., A. Valle-Levinson, and J.L. Miller. Effects of Chesapeake Bay Bridge-Tunnel pilings on water column stratification in the lower Chesapeake Bay. Funded by Sverdrup Co. March-July, 1994. \$24,875

Wheless, G. and A. Valle-Levinson. Ballast Exchange Project. Funded by Mystic Aquarium, November-June 1995. \$50,000

Valle-Levinson, A., and L.P. Atkinson. Effects of Sand Mining and Feeder Mounds on Virginia Beach coastal waters. Minerals Management Service, Oct 1995-Sep 1997. \$100,000

Atkinson, L.P. and A. Valle-Levinson. Mi-Chile (Mar Interior de Chile) A study of the Chilean inland sea ecosystems. Funded by NSF. April 1996- March 1998. \$58,000.

Valle-Levinson, A., K.C. Wong, and K.M.M. Lwiza. On the transverse circulation in a coastal plain estuary. NSF, May 1996-April 1999. \$450,000 (\$168,958 to Valle-Levinson)

Atkinson, L.P., E.E. Hofmann, A. Valle-Levinson, C.L. Seyfrit, V. Marin, F. Jara, Austral Chilean Coast and Inland Sea. IAI-NSF June 1996 - May 1997. \$50,000

Valle-Levinson, A. Physical Exchange Processes at the Chesapeake Bay Mouth, Virginia Sea Grant, February 1997-January 2000. \$114,769

Valle-Levinson, A. An Observational and Predictive Study of Inner Shelf Currents Over the Texas-Louisiana Shelf, Minerals Management Service, March 1997-February 1999. \$27,990

Valle-Levinson, A. and L.P. Atkinson, U.S.-Cameroon Planning Visit: The Influence of River Discharge on the Coastal Cameroon Ecosystem, NSF, Aug 1996-Jul 1997. \$6,654

Atkinson, L.P. and A. Valle-Levinson. Provide services for developing an instrument evaluation site. NOAA. Sep-96 - Sep 97., \$50,000

Valle-Levinson, A., Flow Measurements Around Bridge and Approaches, Route 125 over Nansemond River City of Suffolk, Funded by Sverdrup Co., April-May, 1998. \$15,000

Valle-Levinson, A., and L.P. Atkinson. Provide current measurements for NOAA in the vicinity of OSTEF. July 1998- July 1999. \$35,000

Wong, K.C., A. Valle-Levinson, K. Bosley, On the Wind-Induced Exchange Between an Estuary and the Adjacent Continental Shelf, Funded by NSF. Sep. 1999-2002. \$480,000 (\$226,102 to Valle-Levinson)

Valle-Levinson, A. Flow structure in the vicinity of the 28th Street Outfall, Funded by the Hampton Roads Sanitation Department, Sep 1998-January 1999. \$15,000

Jones, C., S. Thorrold, A. Valle-Levinson, and J. Hare, Recruitment of marine fish larvae to estuarine nursing systems: insights from high resolution analysis of otolith chemistry and hydrodynamics, Funded by NSF. May 1999-Apr 2003. \$679,782

Valle-Levinson, A., L. Codispoti, and L. Atkinson, Nutrient Fluxes Through the Chesapeake Bay Mouth, Funded by Virginia Sea Grant, Jan 1999-Feb 2002. \$238,535

Valle-Levinson, A., A. Münchow, M. Framiñan, Comparative Studies in the Rio de la Plata Estuary, Funded by NSF, Mar 1999-Mar 2000. \$35,000

Valle-Levinson, A., CAREER: On the Hydrodynamics of the Exchange Between Estuaries and Their Adjacent Waters, Funded by NSF, Aug 2000-July 2005, \$495,000.

Valle-Levinson, A., L.P. Atkinson, E. Hofmann, supplement to “On the Wind-Induced Exchange Between an Estuary and the Adjacent Continental Shelf” to carry out measurements in the Gulf of Arauco, Chile, Funded by NSF, September 1, 2000 to August 31, 2001, \$20,160

Valle-Levinson, A., “Fisheries Habitat: Spatial Dynamics and the Protection of Critical Habitats to Conserve Spawning Stock and Recruitment in Exploited Marine Species With Complex Life Cycles”, Subcontract by VIMS from a project funded by VA Sea Grant, Nov 2000-Sep 2001, \$6,006.

Valle-Levinson, A., “Circulation Study in the Gulf of Fonseca ,” Funded by NOAA, March 10, 2001 to December 31, 2001, \$185,000.

Royer, T.C., G.F. Cota, G.A. Cutter, and A. Valle-Levinson, “Acquisition of shipboard

oceanographic instrumentation for R/V Fay Slover,” Funded by NSF, August 16, 2002 to August 15, 2005, \$184,133.

Valle-Levinson, A., “CODAR Pattern Analysis in the Lower Chesapeake Bay ,” Funded by NOAA, August 8, 2002 to January 31, 2003, \$27,268.

Jones, C. and A. Valle-Levinson. REU Site: MUST - Minority Undergraduate Scholarship and Training, May 1, 2003-May 1, 2005. Funded by NSF, \$285,195.

Valle-Levinson, A. Asymmetric circulation in wind-driven bays, funded by NSF, Oct 2004-Sep 2007, \$185,117.

Valle-Levinson, A., OASIS, NOAA, Mar-Dec, 2005, \$100,000

Valle-Levinson, A., How do changes in physical conditions and megalopae behavior affect blue crab recruitment variability in Chesapeake Bay and Delaware Bay?, funded by Sea Grant, Feb 2005, Feb 2007, \$106,221.

Valle-Levinson, A., The interaction of estuarine circulation and wind-driven shelf circulation, Funded by NSF. June 2005 to June 2008.

Valle-Levinson, A. PASI on Contemporary issues on estuarine physics, transport and water quality. Funded by NSF. Oct 2006 to July 2008, \$93,000.

Valle-Levinson, A. “Collaborative Research: Asymmetric circulation in wind-driven bays, renewal” Funded by NSF, Oct 2007-Sep 2009, \$240,038. (Co-PI with Clinton Winant at Scripps; PI at University of Florida 100% = \$240,038)

Mehta, A., A. Valle-Levinson, J.Jaeger, Lake Apopka Sediment Resuspension Model Development, Funded by the St. Johns River Water Management District, May 1, 2007-Apr 30, 2009, \$301,695 (Co-PI 40% = \$120,678).

Hsu, T.J., A. Sheremet, A. Valle-Levinson, A. Mehta., “Effects of fluid mud on bottom boundary layer dynamics and sediment fluxes at mudflats,” Funded by the Office of Naval Research, March 15, 2007-March 15, 2008, \$50,000. (Co-PI 50% = \$25,000).

Valle-Levinson, A. “Collaborative Research: The Impact of Secondary Circulation and Mixing on Estuarine Exchange Flows” Funded by NSF, Sep 2008-Sep 2011, \$1,050,579. (Co-PI with Bob Chant at Rutgers and Ming LI at University of Maryland; PI at University of Florida 100% = \$365,246)

Valle-Levinson, A. “The Impact of the 2009 Suwannee River Surge on the Gulf” Funded by NSF, May 2009-May 2010, \$77,379. PI at University of Florida 100%.

Valle-Levinson, A. “Flow Structures on the Northern Shelf of the Gulf of Mexico” Funded by Alabama Consortium for Marine Research, Dec 2010-Dec 2012, \$67,991. PI at University of

Florida 100%.

Valle-Levinson, A. "Understanding Coral Ecosystem Connectivity in the Gulf of Mexico-Pulley Ridge to the Florida Keys" Funded by NOAA, Oct 2011-Sep 2016, \$5,000,000. (PI at University of Florida 100% = \$103,566)

Valle-Levinson, A. "Surface drifter production for CARTHE project" Subcontract to University of Miami. Jan 1, 2012-Dec 31, 2012. \$69,000 (100% at the University of Florida).

Valle-Levinson, A. "Reversing circulation structure in arid, tropical estuaries" Funded by NSF, May 2012-April 2013, \$48,345. PI at University of Florida 100%.

Valle-Levinson, A. & M. Olabarrieta. "Semidiurnal Perturbations to Storm Surges on the U.S. Eastern Seaboard" Funded by NSF, Aug 2013-Aug 2016. \$399,426. PI at University of Florida 100%.

Martin, J., A. Ogram, Z. Peng, A. Valle-Levinson. "Coastal SEES (Track 1): Planning for hydrologic and ecological impacts of sea level rise on sustainability of coastal water resources" Funded by NSF, Aug 2013-Aug 2015. \$476,904. Co-PI at University of Florida (\$121,096 corresponding to A. Valle-Levinson)

Murie, D. et al. Ecological Function and Recovery of Biological Communities within Dredged Ridge-Swale Habitats in the South-Atlantic Bight. Funded by Bureau of Ocean Energy Management, Aug 2013-Feb 2015, \$1,988,708. CO-PI Valle-Levinson receives \$211,000.

Valle-Levinson, A. PI. Salt Intrusion Into Estuaries Related to Global Climate Change, Funded by Global Innovation Initiative. May 2014-May 2016. \$249,907.

Valle-Levinson, A. PI for UF. CARTHE II, funded by GOMRI. Jan 2015-Dec 2017. \$540,000

CONSULTING ACTIVITIES

Prepared a report on the "Transport of a floatable on Knitting Mill Creek, Lafayette River, on September 23, 1993" for Winthrop, Stimson, Putnam and Roberts, a Law Firm in Washington D.C. in August 1997.

Collected data at Site 104 in the upper Chesapeake Bay for SAIC in April, 2000.

Prepared report on data we collected in the vicinity of the Virginia Beach diffuser pipe in February and March 2002 for Collins Engineers/Hampton Roads Sanitation District.

Prepared report and collected data on currents in the vicinity of the City of Alexandria (VA) marina in August 2003.

Prepared report and collected data on currents in the Mattaponi River (VA) for Malcolm Pirnie

Engineers/Newport News in May and June 2006.

HONORS, AWARDS, AND PRIZES

Recipient of the University of Baja California President's Award to the highest grade point average of the Class	1985
Valedictorian of the School of Marine Sciences, Baja California	1985
Recipient of the Kenneth P. Staudte Award in recognition of innovative and important research contributing to the resolution of an environmental problem, Marine Sciences Research Center	1991
Recipient of the Sea Grant Association Student Abstract Award Competition, Environmental Studies	1992
1998 Editors' Citation for Excellence in Refereeing for Journal of Geophysical Research-Oceans	1999
Recipient of CAREER grant (U.S. National Science Foundation's most prestigious award for new faculty)	2000
Seminar Presenter as part of the Florida Sea Grant Elise B Newell Seminar Series, Florida Gulf Coast University	2008
Recipient of Fulbright Fellowship (Senior Specialists Program) to Chile	2008
Recipient of Gledden Fellowship from University of Western Australia	2009
Distinguished Professor, Universidad Catolica del Norte, Chile	2010
Distinguished Professor Visit, Mexican Academy of Sciences	2010
Level III (highest possible) Scientist in the Mexican System of Research	2010
Visiting Professor, CINVESTAV, Merida	2010
Visiting Professor, CINVESTAV, Merida	2011
Visiting Fellowship awarded by the Chilean Science and Technology Council	2011
Visiting Professorship awarded by Utrecht University	2012

Fulbright Senior Fellowship	2012
Corresponding Member of the Mexican Academy of Sciences	2012
Departmental Outstanding Faculty Mentor Award, U. of Florida	2012
Distinguished Visiting Professor, University of Bordeaux	2014
Visiting Professorship, Kyushu University, Japan	2014
Senior International Educator of the Year, U. of Florida	2014
Departmental Research Mentor Award, U. of Florida	2015
Visiting Professor, University of Pernambuco, Brazil	2015
Water Institute Fellow, University of Florida	2016

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Member of American Geophysical Union, Estuarine Research Federation

UNIVERSITY SERVICE

Served in the Honorary Degrees Committee of Old Dominion University in 1993

Served in the Student Conduct Committee of Old Dominion University since 1994, as Vice-Chairman since Fall of 1995.

Co-chair of the International Programs Committee of the College of Sciences (Fall 2001)

Representative of the College of Sciences to the Council of International Initiatives (Fall 2001, Spring 2002)

Served as Faculty Senator Fall 2000 to Spring 2002.

Served in following departmental committees: ship/boat, core course, strategic planning (1997, 1998, 1999); ship/boat (since 1997), admissions (since 1997), undergraduate curriculum (2000, 2001), small boats (chair 2001).

Served in the search committees for a) chair, Department of Ocean, Earth and Atmospheric Sciences, ODU (1999, 2001), b) chair in Physical Oceanography (2000), c) Assistant Professor in the OEAS Department (2000-2001).

Chair of Search Committee for CCPO's Research Assistant Professor (2004)

Chair of Curriculum for Earth as a System undergraduate course (2004)

Graduate Coordinator of Coastal and Oceanographic Engineering Graduate Program (Aug 2007-Jun 2012)

Director of Coastal Engineering Laboratory (since August 2007)

Member of Archives Committee of the Department of Civil and Coastal Engineering's Coastal Group (August 2006)

Member of College of Engineering Tenure/Promotion Board (Sep 2008-May 2012)

Member of Departmental Committee on Graduate Fellowship Awards (since Aug 2007)

Ph.D. and M.S. Committees

Adviser for K. Holderied (now at NOAA)

Adviser for Cristobal Reyes (Ph. D. 2001, now at Universidad del Mar, Mexico)

Adviser for Mario Caceres (Ph. D. 2001, now at Universidad de Valparaiso, Chile)

Adviser for Rosario Sanay (Ph.D. 2003, now at Universidad Veracruzana, Mexico)

Adviser for Andres Sepulveda (Ph.D. 2004, now at Universidad de Concepcion, Chile)

Adviser for David Salas-Monreal (M.S. 2002; Ph.D. 2006 now at Universidad Veracruzana, Mexico)

Adviser for Jung Woo Lee (Ph.D., 2010, now in South Korea)

Adviser for Amy Waterhouse (Ph.D., 2010, now at Scripps Institution of Oceanography)

Adviser for Berkay Basdurak (Ph.D., 2010, now at Warnemunde, Germany)

Adviser for Chloe Winant (Ph.D. 2011, now at Howard Bishop Middle School)

Adviser for Kim Huguenard (Arnott) (Ph.D. 2013, now at University of Maine)

Adviser for Sangdon So (Ph.D. 2013, now at University of Florida)

Adviser for Lauren Ross (Ph.D. 2014, now at University of Maine)

Adviser for Sabrina Parra (Ph.D. 2014, now at NRL)

Adviser for Jackie Branyon (Ph.D. 2015, now at Moffat & Nichol)

Adviser for Armando Laurel (Ph.D. 2016, now at Mexican Water Directorate)

Adviser for Mayra Riveron-Enzastiga (M.S. 2006)

Adviser for Andrea Piñones (M.S. 2006)

Adviser for Diego Narvaez (M.S. 2006)

Adviser for Hande Caliskan (M.S. 2006)

Adviser for Ruth Lane (M.S. 2007)

Adviser for Kimberly Arnott (M.S., 2009)

Adviser for Nick Zwemer (M.S., 2011)

Adviser for Krista Henrie (M.S., 2012)

Adviser for Gisselle Guerra (M.S., 2012)

Adviser for Kirsten Nielsen (M.S. 2013)

Adviser for Patrick Miskel (M.S. 2014)

Current Ph.D. students: Braulio Juarez, Fernanda Nascimento, Mohammad Alkhaldi, Ahmad Yousef, Gisselle Guerra

Adviser for the Departmental Outstanding Graduate Students of the Year: Krista Henrie, Kimberly Arnott, Lauren Ross, Sabrina Parra, Armando Laurel

Member of Ph.D. dissertation committees for Ajoy Kumar (1996, ODU); Brian Parsons (1999, ODU); Keun-Hyung Choi (1999, ODU); Kyung Hoon (2004, ODU); Juan Dworak (2005, CIBNOR, Mexico); Yong Kim (2006, U. South Carolina); Emma Gale (2006, U. Western Australia); Bin Zhang (2007, ODU); Sergio Jaramillo (2008, U. Florida); Younjoo Lee (2009, Stony Brook); Ayyoub Mehdizadeh (2010, U. Florida); Gilberto Exposito (UNAM); Ivan Perez (2011, U. Concepcion); Luis Bravo (2012, U. Concepcion); Manuel Castillo (2012, U. Concepcion); Ilgar Safak (U. Florida, 2010); Allison Penko (U. Florida, 2010); Karin Huijts (Utrecht University, Netherlands, 2010); Su Shih Feng (U. Florida, 2010); J. Marin (U. Florida, 2010); Paul Van Gastel (U. Western Australia, 2010); Bilge Tutak (U. Florida, 2010); Irany Vera (CINVESTAV, Mexico, 2012); Gillian Rosen (U. Florida); Leonardo Tenorio (CICESE, Mexico, 2015); Gemma Franklin (CINVESTAV, Mexico, 2015), Soheila Taebi (U. Western Australia, 2012), Andy Lapetina (U. Florida, 2013), Alice Alonso (U. Florida, 2016), Samuel Valentim (U. Ceara, Brazil); Lexa Skrivanek (U. Florida), Niels Alebgretse (Utrecht U., 2016), Miguel A. Reyes (U. Granada, 2016), Marian Serrano (U. Granada, 2016), Gabriel Gallegos (CINVESTAV), Juan Paniagua (U. Florida), Arlett Rosado (CINVESTAV), Alice Alonso (U. Florida), Zhendong Cao (U. Florida), Christian Rojas (U. Florida), Jorge Salinas (U. Florida), Masoud Asgharianrostami (U. Florida)

Member of M.S. thesis committee for K. Jenkins (ODU, 2001), E. Nahas (U. Western Australia, 2004); S. Sharma (2007, U. Florida); J. Marin (2009, U. Florida); A. Sampath (2009, U. Florida); S. So (2009, U. Florida).

PROFESSIONAL SERVICE

Panelist (twice) for NSF K-12 Graduate Fellowships Award.

Panelist (at least ten times) for NSF Research Awards

Panelist for NOAA's Research Awards

Member of Advisory Committee for The Nature Conservancy, Long Island Chapter (1999)

Member of External Advisory Board for CICESE (Mexico) since 2015

Member of the steering committee for the Physics of Estuaries and Coastal Seas Biennial Conferences.

Co-host of the Tenth Biennial International Conference of Physics of Estuaries and Coastal Seas in Norfolk Virginia in October of 2000.

Co-chair of scientific program for the 2005 Estuarine Research Federation Conference

Member of the International Scientific Committee of the Patagonian Ecosystem Research Center (since 2006).

Member, Scientific Committee, SECOORA (Southeast US Observing Network)

Member, Education Committee, FLCOOS (Florida Observing Network)

Member of Editorial Board of *Continental Shelf Research* from January 2007 to May 2008

Member of Editorial Board of *International Journal of Ocean System Engineering* March 2011 to August 2015

Invited Associate Editor of *Ocean Dynamics* since 2014

Member of Editorial Board of the Spanish *Magazine Océano*, since 2012

Associate Editor, *Ciencias Marinas* since May 2007

Associate Editor, *Continental Shelf Research* since June 2008

Associate Editor, *Estuaries and Coasts* since May 2012

Associate Editor, *Journal of Oceanography* since March 2016

Reviewed proposals for the National Science Foundation, NOAA, Delaware Sea Grant, New Jersey Sea Grant, New York Sea Grant, California Sea Grant, Georgia Sea Grant, Maryland Sea Grant, South Carolina Sea Grant, Connecticut Sea Grant, Louisiana Sea Grant, the Connecticut Chapter of The Nature Conservancy, Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET), Natural Environment Research Council (United Kingdom), COLCIENCIAS (Colombian Science Foundation), Netherlands Organisation for Scientific Research, FONDECYT (Chile), CONICYT (Chile), and for the European Facility for Airborne Research, Flanders Research Foundation.

Reviewed papers for the Journal of Geophysical Research, Journal of Physical Oceanography, Continental Shelf Research, Estuaries and Coasts, Journal of Marine Research, Estuarine, Coastal and Shelf Science, Limnology and Oceanography, Progress in Oceanography, Coral Reefs, Journal of Coastal Research, Bulletin of Marine Science, Oceanography Magazine, Polar Research, Journal of Sea Research, La mer, Journal of Hydrology, Harmful Algae, Environment International, Journal of Marine Systems, Environmental Engineering, Journal of Hydraulic Engineering, Journal of Waterway, Port, Coastal and Ocean Engineering, Marine Technology and Society, Geofisica Internacional, Ciencias Marinas, Brazilian Journal of Oceanography.

COMMUNITY SERVICE

Served as judge for the Virginia Junior Academy of Science (1993, 1994); for the Tidewater Science Fair (Virginia, 1995 and 1996); and for Westwood and Lincoln Middle School Science Fairs (Gainesville, 2008).

Gave lectures in general Physical Oceanography to high school teachers and students (1996,

1997, 1998, 1999).

Gave lectures salt intrusion into aquifers at the imminent threat of sea level rise to high school teachers (summer 2013).

Presented aspects of oceanographic research at the Suffolk County Science Celebration (1996).

Invited seminars at several universities in the U.S., The Netherlands, Australia, France, Italy, Spain, Germany, England, Mexico, Japan, Chile, Peru, Nicaragua, and China, at the Society of Women Engineers, Hampton Roads, at the American Society of Civil Engineers, Peninsula Chapter.

Science Judge, National Ocean Science Bowl, Consortium for Oceanographic Research and Education (1998, 1999, 2001, 2004)

Gave lectures on ocean temperature, salinity, density, and currents to 5th graders of Larchmont Elementary School in Norfolk during one week of May of 2000, and one week of March 2001.

Gave lecture on tsunamis, tidal waves and storm surges to 4th graders of Stephen Foster Elementary School in Gainesville in September 2005.

Gave lectures on Oceanography to Littlewood Elementary School in Gainesville to 1st and 4th graders in September 2006 and April 2009.

Gave lectures on Oceanography to 1st graders of Talbot Elementary in Gainesville in November 2006.

Gave lectures on Oceanography to 2nd, 4th and 5th graders of Newberry Elementary in Newberry (FL) in January 2007 and 2009.

Gave lectures on Oceanography to 5th graders of Chiles Elementary School in Gainesville in April 2007.

Gave lectures on Oceanography to high school students at Lofton High in Gainesville in September 2008 and February 2011.

Gave lectures on Oceanography to 5th graders at Norton Elementary School in Gainesville in November 2008.

Gave lectures on Oceanography to 5th graders at Talbot Elementary School in Gainesville in March 2011.

Gave lectures on Oceanography to 10th graders at Eastside High School in Gainesville in March 2011.

Gave lectures on Oceanography to 6th graders at Kanapaha Middle School in Gainesville in March 2015.

Gave lectures on Oceanography to 6th graders at Fort Clark Middle School in Gainesville in April 2015.

Instructed a High School Team for a competition on Oceanography, the National Ocean Sciences Bowl. The team placed 3rd in the regional competition in 2010; it won the regional competition in 2011, 2012, 2014 and 2015; it took 3rd place at the national competition in 2012, and 5th place in 2014.

Taught a course on the use of ADCP to six Latin-American participants (July 26th- August 7th, 2001) at the Center for Coastal Physical Oceanography.

Taught a course on the processing of ADCP data to 17 Latin-American participants as part of the Austral Summer Institute in Selected Topics in Physical Oceanography (January 5-11, 2002) at the University of Concepcion, Chile.

Taught a course on Estuarine Hydrodynamics to 5 Mexican participants (June 30-July 8, 2004) at the University of Baja California, Mexico

Taught a course on the processing of ADCP data to 19 Latinamerican participants (July 27-August 2, 2004) at the Instituto del Mar, Peru.

Taught a course on the Hydrodynamics of semienclosed systems to 19 Latinamerican participants (January 9-20, 2006) as part of the Austral Summer Institute at the University of Concepcion, Chile

Organized and taught at the PanAmerican Advanced Studies Institute on Estuarine Hydrodynamics held in Puerto Morelos, Mexico, in August 2007.

Gave lectures on Fjords and Bays Hydrodynamics (May 9 and 10, 2007) at the University of Antofagasta, Chile.

Taught a course on Fjord Hydrodynamics to 22 Latinamerican participants (January 5-18, 2009) as part of the Austral Summer Institute at the University of Concepcion, Chile.

Taught a course on Estuarine Hydrodynamics to 12 Latinamerican participants (March 9-19, 2009) at the Federal University of Rio Grande, Brazil.

Taught a course on Estuarine Hydrodynamics to 20 South Korean participants (September 15-21, 2009) at Inha University, Incheon, South Korea.

Taught a course on Fjord and Estuarine Hydrodynamics to 21 Latinamerican participants (January 18-19, 2010) as part of the Austral Summer Institute at the University of

Concepcion, Chile.

Taught a course on Coastal Hydrodynamics to 15 Chilean participants (June 1-9, 2010) at the Northern Catholic University, Coquimbo, Chile.

Taught a course on Estuarine Hydrodynamics to 20 Brazilian participants (August 16-21, 2010) at the Federal University of Ceará, Brazil.

Taught a course on Estuarine Hydrodynamics to 18 participants (Jul 1-5, 2011) at the National University of Mexico, Merida Campus.

Taught a course on Estuarine Hydrodynamics to 12 Brazilian participants (September 9-16, 2011) at the Federal University of Pernambuco, Brazil.

Taught a course on Fjord Hydrodynamics to 15 Chilean participants (January 9-19, 2012) at the University of Valparaiso, Chile.

Taught a course on Estuarine Hydrodynamics to 10 Brazilian participants (May14-18, 2012) at the Federal University of Pernambuco, Brazil.

Taught a course on towed current profiler data analysis to students from Germany and The Netherlands (Feb 11-14, 2013)

Taught a course on Estuarine Hydrodynamics to 27 Panamerican participants (May3-12, 2013) in Areia Branca, Rio Grande do Norte, Brazil.

Taught a course on Estuarine Hydrodynamics to 10 Mexican participants (Jan 20-24, 2014) at the National University of Mexico (UNAM).

Taught a course on Estuarine Hydrodynamics to 25 Brazilian participants (May5-15, 2014) in Tamandaré, Pernambuco, Brazil.

Taught a course on Estuarine Hydrodynamics to 40 International participants (May18-30, 2014) at CICESE in Ensenada, Mexico.

Mar 1-Mar 3, 2016. Lectures on Estuarine Physics to 10 Mexican students at the National University of Mexico (taught entire course).

April 26-May 5, 2016. Lectures on Estuarine Physics to 15 Brazilian students at the University of Sao Paulo (taught entire course).

June 4-11, 2016. Lectures on Estuarine Physics to 20 European Students at the University of Granada (taught several lectures)

July 25-August 6, 2016. Lectures on Estuarine Physics to 27 Students from the US, England and LatinAmerica at the National University of Mexico (organized course and taught several

lectures)

August 22-Sep 1, 2016. Lectures on Estuarine Physics to 15 European and US Students at the University of Bordeaux (taught entire course)

November 1-November 11, 2016. . Lectures on Coastal Hydrodynamics to 8 Peruvian Students at the Universidad Mayor de San Marcos (taught entire course)

Panelist at the television program “This Week in Hampton Roads” of the local public television station (WHRO) on the subject of hurricanes (July 2000, July 2001).

Participant on the television program “Burden of Proof” of the Cable News Network (CNN) on the subject of floatable transport (September 11, 2000)