

DAVID G. ORTIZ-SUSLOW, PhD

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PREPARATION

Doctor of Philosophy Aug. 2012 – May 2017	University of Miami, Rosenstiel School of Marine and Atmospheric Science – Miami, FL Applied Marine Physics, Chair: Prof. Brian Haus
Bachelor of Science Sep. 2007 – Dec. 2011	University of California, San Diego – La Jolla, CA Physics (with focus in Earth Science), Minor: Marine Science

APPOINTMENTS

Dec. 2019 – present	Research Assistant Professor – Monterey, CA Naval Postgraduate School, Department of Meteorology
Sep. 2017 – Dec. 2019	Faculty Research Associate – Monterey, CA Naval Postgraduate School, Department of Meteorology Supervisor: Prof. Qing Wang
Jun. 2017 – Sep. 2017	Postdoctoral Research Associate – Miami, FL University of Miami, Rosenstiel School of Marine and Atmospheric Science Supervisor: Prof. Hans Graber
Aug. 2012 – May 2017	Graduate Research Assistant – Miami, FL University of Miami, Rosenstiel School of Marine and Atmospheric Science Supervisor: Prof. Brian Haus
Spring 2015, 2016	Graduate Teaching Assistant – Miami, FL University of Miami, Rosenstiel School of Marine and Atmospheric Science

AWARDS & RECOGNITION

2022 Office of Naval Research Young Investigator Program
2019 AGU Celebrate 100 Grant
2019 IEEE/OES Twelfth Currents, Wave, Turbulence Measurement and Applications Student/Early Career Award
2017 National Research Council Research Assistantship Program (*declined*)
2017 Graduate Studies Service Award, University of Miami – RSMAS
2017 Best Student Seminar & Best Presentation Skills, Ocean Sciences Department, University of Miami – RSMAS
2013 Best Student Research Proposal, Applied Marine Physics Division, University of Miami – RSMAS
2010 California Sea Grant, John D. Isaacs Marine Undergraduate Research Assistantship

RESEARCH ACTIVITY

Dec. 2021 – present	PI , sUAS-based Remote Sensing of Surface Waves and Breaking using an EO/IR Camera System (CRUSER Seed Research Program/ONR)
Dec. 2021 – present	PI , Naval Partners for Enhancing STEM educational experience in marine science and technology with a novel at-sea program (ONR N0001421WX01731)
Jan. 2021 – present	Co-PI , Fog And Turbulence Interactions in the Marine Atmosphere (ONR N00014-21-1-2296)
Jan. 2020 – present	Co-PI & Field Chief Scientist , Coastal Land-Air-Sea Interaction (ONR N0001421WX01153)
Sep. 2017 – Dec. 2022	Investigator , Coupled Air Sea Processes and Electromagnetic ducting Research (ONR N0001418WX01087)
Jun. 2016	Investigator & Field Chief Scientist , Coastal Land-Air-Sea Interaction Pilot (ONR N00014-17-1-2800)
Sep. 2014 – Dec. 2016	Investigator , Can a Spray Infused Boundary Layer Alter the Air-Sea Momentum Transfer Rates in High Winds? (NSF 0933943)

PROFESSIONAL SERVICE

Community Leadership

2022 – present **Member**, U.S. CLIVAR Air-Sea Transition Zone Study Group
2021 – present **Lead**, NPS partners in STEM Experiential Approach to Critical Ocean and Atmosphere Science Topics (SEACOAST), Project P.I. Prof. William Gilly, Stanford University
2021 – present **Member**, Western Flyer Foundation Science Advisory Board

2018 – 2022 **Member** of American Meteorological Society's committee on Air-Sea Interaction

Synergistic Activity

- Feb. 2022 **Convener**, *Remembering the FLIP: Perspectives on the Legacy of an Iconic Platform*, AGU/ASLO/TOS Ocean Sciences Meeting 2022
- Feb. 2022 **Primary Chair**, AGU/ASLO/TOS Ocean Sciences Meeting 2022
- Jan. 2021 **Conference Organizer & Session Chair**, AMS 22nd Conference on Air-Sea Interaction
- Feb. 2020 **Chair**, AGU/ASLO/TOS Ocean Sciences Meeting 2020
- Dec. 2019 **Session Convener & Moderator**, *Perspectives on Parenthood within the Academic Research Environment*, Centennial Central, Science Nexus, 2019 Centennial AGU Fall Meeting
- Feb. 2018 **Primary Chair**, AGU/ASLO/TOS Ocean Sciences Meeting 2018
- Feb. 2016 **Primary Chair**, AGU/ASLO/TOS Ocean Sciences Meeting 2016

ADVISING & MENTORING

- ENS Jackson R. Dabek, M.S. Mechanical Engineering (*Expected Spring 2023*)
- LCDR Syed Saad, M.S. Oceanography (*expected Fall 2023*)
- Basil Darby, M.S. Physical Oceanography (*expected Spring 2023*)

EDITORIAL & OTHER PUBLICATIONS

Stanley, R, T Bell, Y Gao, C Gaston, D Ho, D Kieber, K Mackey, N Meskhidze, B Miller, H Potter, P Vlahos, P Yager, B Alexander, S Beaupre, S Craig, G Cutter, S Emerson, A Frossard, S Gasso, B Haus, W Keene, W Landing, R Moore, **D. G. Ortiz-Suslow**, J Palter, Fabien Paulot, E Saltzman, D Thornton, A Wozniak, L Zamora, H Benway. 2021. US SOLAS Science Report. 62pp.

Ortiz-Suslow, D. G. (2021), Remembering FLIP, an engineering marvel for oceanic research, *Eos*, 102, <https://doi.org/10.1029/2021EO163510>.

Ortiz-Suslow, D. G., T. Furman, A. Clement, H. Potter, and N. Sun-Suslow (2020), Perspectives on parenting while researching (during a pandemic), *Eos*, 101, <https://doi.org/10.1029/2020EO149235>. Published on 23 September 2020.

REFEERED PUBLICATIONS

*Conference Proceedings, Technical Reports
–2022–

Wu, J., **D. G. Ortiz-Suslow**, X. Hao, Q. Wang, and L. Shen (2022): A Model Study of Ocean Surface Roughness Sensitivity to Internal Wave-Surface Wave Interactions, *In Press at Earth and Space Science*

Lyu, M., H. Potter, **D.G. Ortiz-Suslow**, and Q. Wang (2022): Spatial and Temporal Variability of Gustiness in the Marine Boundary Layer with Implications for Air-Sea Interaction, *under review for JGR: Atmospheres*.

Potter, H., C. O. Collins, and **D. G. Ortiz-Suslow** (2022): Pier-based Measurements of Air-Sea Momentum Fluxes over Shoaling Waves during DUNEX, *accepted pending minor revisions for JGR: Oceans*.

–2021–

Wang, Q., R.T. Yamaguchi, J.A. Kalogiros, Z. Daniels, D.P. Alappattu, H. Jonsson, O. Alvarenga, A. Olson, B.J. Wauer, **D.G. Ortiz-Suslow**, and H.J. Fernando (2021): Microphysics and Optical Attenuation in Fog: Observations from Two Coastal Sites, *Boundary-Layer Meteorology*, 181, 267–292, doi:10.1007/s10546-021-00675-5.

Haus, B. K., **D. G. Ortiz-Suslow**, J. D. Doyle, D. D. Flagg, H. C. Graber, J. MacMahan, L. Shen, Q. Wang, N. J. Williams, and C. Yardim (2021): CLASI: coordinating innovative observations and modeling to improve coastal environmental prediction system, *Bulletin of the American Meteorological Society* 103, no. 3 (2022): E889-E898.

Ortiz-Suslow, D.G., J. Kalogiros, R. Yamaguchi, and Q. Wang (2021): An Evaluation of the Constant Stress Layer Assumption in the Atmospheric Flow above the Wavy Air-Sea Interface. *Journal of Geophysical Research: Atmospheres*, <https://doi.org/10.1029/2020JD032834>.

–2020–

***Ortiz-Suslow, D.G.**, J. Kalogiros, R. Yamaguchi, and Q. Wang (2020): Windowed Inspection of Stationarity & Quality (WISQ): An Algorithm For Eddy Covariance Sample Quality Control and Assessment. NPS-MR-20-001

Ortiz-Suslow, D.G., Q. Wang, J. Kalogiros, and R. Yamaguchi (2020): A Method for Identifying Kolmogorov's Inertial Subrange in the Velocity Variance Spectrum using Marine Atmospheric Surface Layer Measurements. *Journal of Atmospheric and Oceanic Technology*, vol. 37, 1, <https://doi.org/10.1175/JTECH-D-19-0028.1>

- Huguenard, K., D. Bogucki, **D.G. Ortiz-Suslow**, J. MacMahan (2020): Nearshore response to cold air outbreaks in the Gulf of Mexico. *Estuarine, Coastal and Shelf Science*, 235, p.106604, <https://doi.org/10.1016/j.ecss.2020.106604>
–2019–
- Ortiz-Suslow, D.G.**, and Q. Wang (2019): The Variability of Kolmogorov’s Power Law in the Turbulent Airflow above the Ocean. *Geophysical Research Letters*, 46, doi:10.1029/2019GL085083.
- Ortiz-Suslow, D.G.**, Q. Wang, J. Kalogiros, R. Yamaguchi, T. de Paolo, E. Terrill, R. K. Shearman, and I. Savelyev (2019): Interactions between Nonlinear Internal Ocean Waves and the Atmosphere. *Geophysical Research Letters*, 46, <https://doi.org/10.1029/2019GL083374>
- Mehta, S., **D. G. Ortiz-Suslow**, A. W. Smith, and B. K. Haus (2019): A Laboratory Investigation of Spume Generation in High Winds for Fresh and Seawater. *JGR: Atmospheres*, 124, <https://doi.org/10.1029/2019JD030928>
- Shao, M., **D.G. Ortiz-Suslow**, B. K. Haus, B. Lund, N.J. Williams, T.M. Özgökmen, N.J.M. Laxague, J. Horstmann, and J. Klymak (2019): The Variability of Winds and Fluxes Observed Near Submesoscale Fronts. *JGR: Oceans*, 124, <https://doi.org/10.1029/2019JC015236>
- ***Ortiz-Suslow, D.G.**, J. Kalogiros, R. Yamaguchi, D. Alappattu, K. Franklin, B. Wauer, and Q. Wang (2019): The Processing and Quality Control of Air-Sea Interaction Measurements Made During the CASPER-West Field Study. NPS-MR-19-001
- ***Ortiz-Suslow, D.G.**, Q. Wang, J. Kalogiros, R. Yamaguchi, S. Celona, T. de Paolo, E. Terrill, R. K. Shearman, P. Welch, and I. Savelyev (2020): Quantifying the Impact of Nonlinear Internal Waves on the Marine Atmospheric Surface Layer, *2019 IEEE/OES Twelfth Current, Waves and Turbulence Measurement (CWTM)*, San Diego, CA, USA, 2019, pp. 1-9. doi: 10.1109/CWTM43797.2019.8955282
- *Wang, Q., R. Burkholder, C. Yardim, D. Alappattu, K. Franklin, R. Yamaguchi, A. Hook, L. Rogers, K. Mulreany, **D.G. Ortiz-Suslow**, J. Kalogiros, B. Wauer, A. Olson (2019): Sampling Spatial-Temporal Variability of Electromagnetic Propagation in CASPER-West. 2019 13th European Conference on Antennas and Propagation (EuCAP), Krakow, Poland, 2019, pp. 1-5. IEEE.
–2018–
- Ortiz-Suslow, D.G.**, B.K. Haus, N.J. Williams, H.C. Graber, and J. MacMahan (2018): Observations of the Air-Sea Momentum Flux Variability across the Inner Shelf. *Journal of Geophysical Research: Oceans*, 123. <https://doi.org/10.1029/2018JC014348>
- Laxague, N.J.M., B.K. Haus, **D.G. Ortiz-Suslow**, and H.C. Graber (2018): Quantifying highly variable air-sea momentum flux using wavelet analysis. *Journal of Atmospheric and Oceanic Technology*, 35(9), 1849-1863.
- Laxague, N.J., B.K. Haus, **D.G. Ortiz-Suslow**, C.J. Smith, G. Novelli, H. Dai, T. Özgökmen, and H.C. Graber (2017): Passive Optical Sensing of the Near-Surface Wind-Driven Current Profile. *J. Atmos. Oceanic Technol.*, 34, 1097–1111, doi: 10.1175/JTECH-D-16-0090.1.
- *Wang, Q., K. Franklin, R. Yamaguchi, **D.G. Ortiz-Suslow**, D. P. Alappattu, C. Yardim, R. Burkholder (2018): Ducting Conditions During CASPER-West Field Campaign. 2018 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting, Boston, MA, 2018, pp. 877-878. doi:10.1109/APUSNCURSINRSM.2018.8608750
–2016–
- Ortiz-Suslow, D.G.**, B.K. Haus, S. Mehta, and N.J.M. Laxague (2016): Sea spray generation in very high winds. *J. Atmos. Sci.*, 73, 3975–3995, doi: 10.1175/JAS-D-15-0249.1.
- Soloviev, A.V., B.K. Haus, M. G. McGauley, C.W. Dean, **D.G. Ortiz-Suslow**, N.J.M. Laxague, and T.M. Özgökmen (2016): Surface dynamics of crude and weathered oil in the presence of dispersants: Laboratory experiment and numerical simulation, *J. Geophys. Res. Oceans*, 121, doi:10.1002/2015JC011533.
- Ortiz-Suslow, D.G.**, B.K. Haus, S. Mehta, and N.J.M. Laxague (2016): A laboratory study of spray generation in high winds, IOP Conference Series: Earth and Environmental Science. Vol. 35. No. 1. IOP Publishing.
- Laxague, N.J.M., **D.G. Ortiz-Suslow**, B.K. Haus, N.J. Williams, and H.C. Graber (2016): Water Surface Slope Spectra in Nearshore and River Mouth Environments, IOP Conference Series: Earth and Environmental Science. Vol. 35. No. 1. IOP Publishing.
- Huguenard K., D. Bogucki, **D.G. Ortiz-Suslow**, N. Laxague, J. Hargrove, J. MacMahan, T.M. Özgökmen, B. Haus, and A. Reniers (2016): Internal Bore Observations Near a River Plume in Coastal Gulf of Mexico, *J. Geophys. Res. Oceans*, 121, doi:10.1002/2015JC010988.
–2015–
- Ortiz-Suslow, D.G.**, B.K. Haus, N.J. Williams, N.J.M. Laxague, A.J.H.M. Reniers, and H.C. Graber (2015): The spatial-temporal variability of air-sea momentum fluxes observed at a tidal inlet, *J. Geophys. Res. Oceans*, 120, 660–676, doi:10.1002/2014JC010412.
- ***Ortiz-Suslow, D.G.**, Huguenard, K., Laxague, N.J., Williams, N.J., Bogucki, D., & Haus, B. K (2015): Coastal Dynamics Observed from a Mobile Air-Sea Interaction Platform, Eleventh IEEE/OES Current, Waves and Turbulence Measurement, doi:10.1109/CWTM.2015.7098124.

PUBLISHED ABSTRACTS & PRESENTED TALKS

†presented talk; *accepted for presentation

- Ortiz-Suslow, D.G.**, Q. Wang, J. Ruiz-Plancarte, R. Yamaguchi, B. Darby, N. Williams, W. Drennan, H. Graber, & B. Haus (2022): The cross-shore variability of the near-surface wind and scalar gradients observed during the CLASI field campaign. Ocean Sciences Meeting 2022. Fluxes and Physical Processes Near the Air-Sea Interface: Observations and Modeling; Mar. 2022, Honolulu, HI.
- †Lyu, M., H. Potter, C. Collins, **D.G. Ortiz-Suslow**, and Q. Wang (2022): An observational study on the effects of gustiness in increasing momentum fluxes. Ocean Sciences Meeting 2022. Fluxes and Physical Processes Near the Air-Sea Interface: Observations and Modeling; Mar. 2022, Honolulu, HI.
- Wang, Q., J. Ruiz-Plancarte, R. Yamaguchi, **D.G. Ortiz-Suslow**, J. Kalogiros, J. Doyle, D. Flagg, C. Yardim, B. Haus, H. Graber, N. Williams, and W. Drennan (2022): Characterizing Coastal Atmospheric Boundary Layer Variability using a Research Aircraft Coordinated with Offshore Buoys and Land Towers. Ocean Sciences Meeting 2022. Fluxes and Physical Processes Near the Air-Sea Interface: Observations and Modeling; Mar. 2022, Honolulu, HI.
- Haus, B., S. Ballard, C. Benbow, M. Curcic, J. Doyle, D. Flagg, S. Furtney, R. Gonzalez, H. Graber, C. Guigand, X. Hao, R. Lewis, B. Lund, J. MacMahan, S. Medina, S. Mehta, C. Miller, D. Ortiz-Suslow, J. Rice, J. Ruiz-Plancarte, L. Shen, J. Singh, Q. Wang, N. Williams, R. Yamaguchi, & Ç. Yardim (2022): Moving Toward a Coast-Aware Parameterization of the Atmospheric and Oceanic Surface Layers. Ocean Sciences Meeting 2022. Fluxes and Physical Processes Near the Air-Sea Interface: Observations and Modeling; Mar. 2022, Honolulu, HI.
- Flagg, D., J. Doyle, M. Stanek, X. Hong, J. Yung, B. Haus, H. Graber, J. MacMahan, **D.G. Ortiz-Suslow**, L. Shen, Q. Wang, N. Williams, C. Yardim, & R. Beach (2022): Evaluating coastal surface wind stress from observation against theoretical relations and mesoscale numerical weather prediction. 102nd Annual Meeting of the AMS, 20th Symposium on the Coastal Environment. Jan. 2022, Houston, TX
- (invited) †**Ortiz-Suslow, D.G.** (2021): Insights Into Air-Sea Interaction Gained During FLIP's Final Mission, Colloquium of Select Topics in Applied Marine Physics, Rosenstiel School of Marine and Atmospheric Science, University of Miami. Nov. 17, 2021
- Ortiz-Suslow, D.G.**, J. Gonsalves, J. Kalogiros, R. Yamaguchi, & Q. Wang (2021): An Evaluation of the Inertial-Convective Subrange for Temperature and Water Vapor in the Turbulent Airflow above Ocean Waves. 21st Symposium on Meteorological Observation and Instrumentation Posters (445).
- †**Ortiz-Suslow, D.G.**, J. Kalogiros, R. Yamaguchi, and Q. Wang (2021): The Prevalence of the Constant Flux Layer Over the Ocean. 22nd Conference on Air-Sea Interaction: Observations and Modeling of Air-Sea Coupling and Exchange: recent advances in measurement, application, and coupled modeling (5.1A).
- Laxague, N.J.M., **D.G. Ortiz-Suslow**, J.-V. Björkqvist, M. Curcic, B. Haus, & Q. Wang (2021): The Relative Wind Velocity at the Air-Sea Interface in the Presence of Surface Gravity Waves. 22nd Conference on Air-Sea Interaction: Physical Processes at the Air-Sea Interface Posters (431).
- Ortiz-Suslow, D.G.**, Q. Wang, J. Kalogiros, R. Yamaguchi, D. Alappattu, A. Olson, P. Welch, R. K. Shearman, I. Savelyev, S. Celona, T. de Paolo, and E. Terrill (2020): The Atmospheric Surface Layer Response to Nonlinear Internal Ocean Waves. AGU/ASLO/TOS 2020 Ocean Sciences Meeting: Mesoscale and Submesoscale Ocean-Atmosphere Interactions and Influence on Earth's Climate II Posters (AI24-2308), San Diego, CA.
- †**Ortiz-Suslow, D.G.**, D. Alappattu, J. Kalogiros, R. Yamaguchi, B. Wauer, K. Franklin, A. Olson, & Q. Wang (2020): An Evaluation of Monin–Obukhov Similarity Theory within the Marine Atmospheric Surface Layer: The Prevalence of the Constant Stress Layer. 18th Symposium on the Coastal Environment, 100th AMS Annual Meeting, January 16, 2020, Boston, MA.
- †**Ortiz-Suslow, D.G.**, J. Kalogiros, R. Yamaguchi, B. Wauer, K. Franklin, A. Olson, D. Alappattu, & Q. Wang (2019): A New Method for Identifying Kolmogorov's Inertial Subrange and Analyzing the Variability of the -5/3 Power Law Using Observations from FLIP. AGU Fall 2019 Meeting (Centennial): Boundary Layer Processes and Turbulence I, December 10, 2019, San Francisco, CA.
- †**Ortiz-Suslow, D.G.**, Q. Wang, J. Kalogiros, R. Yamaguchi, S. Celona, T. de Paolo, E. Terrill, R. K. Shearman, P. Welch, and I. Savelyev (2019): Quantifying the Impact of Nonlinear Internal Waves on the Marine Atmospheric Surface Layer, 2019 IEEE/OES Twelfth Currents, Waves, Turbulence Measurement and Applications Workshop, San Diego, CA.
- Ortiz-Suslow, D.G.**, D.P. Alappattu, J. Kalogiros, R. Yamaguchi, & Q. Wang (2019): Observations of the Marine Atmospheric Surface Layer Gradients during the CASPER-West Field Experiment. AMS 99th Annual Meeting: Special Symposium on Meteorological Observations and Instrumentation Posters; January 8, 2019, Phoenix, AZ.
- Ortiz-Suslow, D.G.**, Q. Wang, J. Kalogiros, R. Yamaguchi, T. de Paolo, R.K. Shearman, & I. Savelyev (2018): Observations of Nonlinear Internal Waves and Atmospheric Surface Layer Interaction. AGU Fall 2018 Meeting: Marine Atmospheric Boundary Layer Processes Affecting Electromagnetic and Electro-optical Wave Propagation Posters; December 12, 2018, Washington D.C.

- †**Ortiz-Suslow, D.G.**, Q. Wang, J. Kalogiros, & R. Yamaguchi (2018): Characterizing the Effects of Non-stationarity on the Marine Atmospheric Surface Layer during CASPER-West. AMS 21st Conference on Air-Sea Interaction: CASPER Special Session II; June 12, 2018, Oklahoma City, OK.
- Laxague, N.J.M., B.K. Haus, **D.G. Ortiz-Suslow**, & H.C. Graber (2018): Unpacking Observed Air-Sea Momentum Flux in Frequency and Time. AGU/ASLO/TOS 2018 Ocean Sciences Meeting: Air-Sea Interaction Session/Turbulent Air-Sea Fluxes: Observations and Modeling; February 15, 2018, Portland, OR.
- Wang, Q., K. Shearman, L. Shen, D. Khelif, H. J. Fernando, I. Savelyev, T. DePaolo, H. Jonsson, †**D.G. Ortiz-Suslow**, R. Yamaguchi, D. Alappattu, & A. Sweeney (2018): Air-Sea Interaction Measurements and Modeling in CASPER. AGU/ASLO/TOS 2018 Ocean Sciences Meeting: Air-Sea Interaction Session/Turbulent Air-Sea Fluxes: Observations and Modeling; February 15, 2018, Portland, OR.
- Ortiz-Suslow, D.G.**, B.K. Haus, N.J. Williams, & H.C. Graber (2018): Observations of Air-Sea Momentum Flux over the Inner Shelf. AGU/ASLO/TOS 2018 Ocean Sciences Meeting: Air-Sea Interaction Session/Turbulent Air-Sea Fluxes: Observations and Modeling; February 15, 2018, Portland, OR.
- †**Ortiz-Suslow, D.G.** (2017): Observations and Modeling of Turbulent Air-Sea Coupling in Heterogeneous and Strongly Forced Conditions. Ocean Sciences Department Seminar, Rosenstiel School of Marine and Atmospheric Science; April 2017, Miami, FL.
- Ortiz-Suslow, D.G.**, B.K. Haus, & A.J.H.M. Reniers (2017): The Role of Wind Forcing on the Ocean Surface in the Coastal Zone. ASLO Aquatic Sciences Meeting 2017: Air-Water, Sediment-Water, and Macrophyte-facilitated Gas Exchange in Inland and Coastal Systems Posters; March 3, 2017, Honolulu, HI.
- Ortiz-Suslow, D.G.**, B.K. Haus, N.J. Williams, & H.C. Graber (2016): Field observations of coastal air-sea interaction. AGU Fall 2016 Meeting: Ocean Sciences Session Posters; December 2016, San Francisco, CA.
- †**Ortiz-Suslow, D.G.**, & B.K. Haus (2016): The distribution of sea spray spume particles above actively breaking wind-waves in the laboratory. Oceanflux Green House Gas Project: Science Workshop; September 9, 2016, Brest, France.
- †**Ortiz-Suslow, D.G.**, B.K. Haus, N.J.M. Laxague, N.J. Williams, & H.C. Graber (2016): Wind Stress Variability Observed Over Coastal Waters. AGU/ASLO/TOS 2016 Ocean Sciences Meeting: Air-Sea Interaction and Upper Ocean Processes/Advances in Understanding the Physical Processes at the Air-Sea Interface; February 2016, New Orleans, LA.
- Laxague, N.J.M., **D.G. Ortiz-Suslow**, B.K. Haus, N.J. Williams, C.J. Smith, R. Romeiser, & H.C. Graber (2016): Sea surface wave spectral properties in coastal waters. AGU/ASLO/TOS 2016 Ocean Sciences Meeting: Air-Sea Interaction and Upper Ocean Processes/Advances in Understanding the Physical Processes at the Air-Sea Interface; February 2016, New Orleans, LA.
- †**Ortiz-Suslow, D.G.**, B.K. Haus, S. Mehta, & N.J.M. Laxague (2015): A laboratory study of spray generation in high winds. The 7th International Symposium on Gas Transfer at Water Surfaces; May, 2015, Seattle, WA.
- Laxague, N.J.M., B.K. Haus, **D.G. Ortiz-Suslow**, & N.J. Williams (2015): Water Surface Slope Spectra in Near-Shore and River Mouth. The 7th International Symposium on Gas Transfer at Water Surfaces; May, 2015, Seattle, WA.
- †**Ortiz-Suslow, D.G.**, K. Huguenard, N.J.M. Laxague, N.J. Williams, D. Bogucki, & B.K. Haus (2015): Coastal Dynamics Observed from a Mobile Air-Sea Interaction Platform. IEEE/OES Current, Waves and Turbulence Measurement Workshop 2015, St. Petersburg, FL.
- Haus B.K., N.J.M. Laxague, **D.G. Ortiz-Suslow**, H.C. Graber, & R. Romeiser; (2014): Wind-Wave Coupling in a Complex Coastal Environment. AGU Fall 2014 Meeting: Ocean Sciences Session. December 2014, San Francisco, CA.
- Huguenard K., D. Bogucki, T.M. Özgökmen, B.K. Haus, A. Reniers, J. MacMahan, J. Hargrove, N. Laxague, & **D.G. Ortiz-Suslow** (2014): Bolus Generation by a River Plume in Coastal Gulf of Mexico. AGU Fall 2014 Meeting: Ocean Sciences Session. December 2014, San Francisco, CA.
- Ortiz-Suslow D.G.**, B.K. Haus, N. M. Laxague, N.J. Williams, & H.C. Graber (2014): Wind Stress Variability Directly Measured at a Tidal Inlet from a Mobile Vessel. AGU Fall 2014 Meeting: Ocean Sciences Session Posters. December 2014, San Francisco, CA.
- Sun D., **D.G. Ortiz-Suslow**, B.K. Haus, N. M. Laxague, H.C. Graber, J. Hargrove, M. Caruso, & N.J. Williams (2014): Investigations into Ebb Tidal Fronts using In Situ Acoustic Backscatter and Optical Satellite Imagery. AGU Fall 2014 Meeting: Ocean Sciences Session Posters. December 2014, San Francisco, CA.
- Ortiz-Suslow D.G.**, B.K. Haus, N.J.M. Laxague, & N.J. Williams (2014): Quantifying the Spatial and Temporal Variability of Wind-Stresses Across a Tidal Inlet. AGU/ASLO/TOS 2014 Ocean Sciences Meeting Posters. February 2014, Honolulu, HI.
- Soloviev A., M. McGauley, B. Haus, **D. Ortiz-Suslow**, N. Laxague, & B. Hamilton (2014): Modeling of Multi-Phase Environments at the Air-Sea Interface in the Presence of Oil and Dispersants. Annual Gulf of Mexico Research Initiative All-Hands Meeting (poster), Mobile, AL.
- Novelli G., R. Pennel, **D. Ortiz-Suslow**, N. Laxague, C. Smith, T. Ozgokmen, & A. Reniers; (2014): Experiments in the Ocean Near-Surface Layer. Annual Gulf of Mexico Research Initiative All-Hands Meeting (poster), Mobile, AL.

TEACHING

- Summer 2021 **Instructor**, *Introduction to Statistics for Atmosphere and Ocean Sciences*, Department of Meteorology, Naval Postgraduate School
- Spring 2017 **Guest Lecturer**, *Coastal Physics and Engineering*, University of Miami
- Spring 2015/16 **Lab Instructor & Guest Lecturer**, *Physical Oceanography Lab*, University of Miami

FIELD CAMPAIGNS

- May – Oct. 2021 **Co-Principal Investigator/Field Chief Scientist**, Coastal Land-Air-Sea Interaction (CLASI), Monterey Bay, multiple platforms, *75 total field days*
- Sep.– Oct. 2017 **Investigator**, Couple Air Sea Processes and Electromagnetic ducting Research (CASPER), R/P *FLIP*, Southern California, *35 total field days*
- Jun. 2016 **Investigator/Small Boat Chief Scientist**, Coastal Land-Air-Sea Interaction Experiment, Monterey, CA, *18 field total days*
- 2013 – 2015 **Investigator**, CARTHE Drifter Design Project, Miami, FL, *22 total field days*
- Dec. 2013 **Research Assistant**, CARTHE: Surfzone and Coastal Oil Pathways Experiment (SCOPE), Destin, FL, *17 total field days*
- May – Jun. 2013 **Research Assistant**, Riverine Estuarine Transport (RIVET), R/V Point Sur, Mouth of the Columbia River, Astoria, OR, *18 total field days*
- Apr. 2013 **Principal Investigator**, Applied Marine Physics Graduate Research Project, Biscayne Bay, Miami, FL, *3 total field days*
- Feb. – Mar. 2013 **CTD Watch Stander**, NOAA Western Boundary Time Series 2013, R/V Ronald H. Brown, *17 total field days*
- Oct. 2009 **Research Assistant**, Imperial Beach Pollutant Transport and Dilution Experiment, Scripps Institute of Oceanography, Imperial Beach, CA, *20 total field days*