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Education:

Ph.D.	Earth Sciences, Scripps Institution of Oceanography, UCSD	1990
M.S.	Earth Sciences, Scripps Institution of Oceanography, UCSD	1984
B.A.	Geology / Geophysics, Department of Earth Science, UCSB	1982

Professional Experience (mm/yy):

1/17–Present	Associate Dean of Academic Programs & Student Affairs, College of Marine Science, University of South Florida, St. Petersburg, Florida.
8/12–Present	Director of Academic Programs and Student Affairs, College of Marine Science, University of South Florida, St. Petersburg, Florida.
7/00–Present	Associate Professor, College of Marine Science, University of South Florida, St. Petersburg, Florida.
2/00–2/04	Co–Director of the Center of Coastal Ocean Mapping, College of Marine Science, University of South Florida, St. Petersburg, Florida.
5/96–2/00	Associate Professor, Department of Marine Science, College of Arts and Sciences, University of South Florida, St. Petersburg, Florida.
10/92–5/96	Adjunct Professor at the Graduate School of Oceanography at the University of Rhode Island, Narragansett, Rhode Island.
1/90–5/96	Assistant Professor, Department of Marine Science, University of South Florida, St. Petersburg, Florida.
10/86–12/89	Visiting Professional Colleague in Marine Geology and Geophysics, Hawaii Institute of Geophysics, University of Hawaii, Honolulu, Hawaii.
7/82–10/86	Research Assistant, Scripps Institution of Oceanography, University of California, San Diego, California.
9/83–12/83	Teaching Assistant, Scripps Institution of Oceanography, University of California, San Diego, California.
12/79–6/82	Computer Lab Assistant, Department of Geological Sciences, University of California, Santa Barbara, California.

Honors and Awards:

Editor’s Citation for Excellence in Refereeing for the *Journal of Geophysical Research (Solid Earth)* in 2000
Certificate of Excellence for Outstanding Performance and Lasting Contribution on the USF Graduate Council 2011–2012
ARCS STEM Collaborative Award: Gulf Oil Spill First Responders in 2013

Professional Societies Membership:

American Association for the Advancement of Science
American Geophysical Union
Geological Society of America
The Oceanography Society (Charter Life Member)

Professional Activities:

1. Spring 1986: Workshop on Future Scientific Drilling in the South Pacific and Antarctic Margin, sponsored by Joint Oceanographic Institutions, Inc., at the University of Florida, Gainesville, invited participant.
2. Fall 1987: American Geophysical Union Meeting: Organized a Special Session on Microplates.
3. Fall 1988: American Geophysical Union Meeting: Presided the Mid-Ocean Ridge Tectonics Session with David Caress.
4. Summer 1990: Western Pacific Geophysics Meeting in Kanazawa, Japan: Presenter.
5. Summer 1991–Present: Oceanography Camp for Girls, “Plate Tectonic simulations in freezing wax” at CMS, USF, St. Petersburg, Florida: My students or I would provide demonstrations to the Oceanography campers every summer—a program originally seeded by NSF and continued by an endowment.
6. Fall 1993: American Geophysical Union Meeting: Organized a special session with Jill Karsten and Colin Devey on Tectonics and Magmatism in the Southeast Pacific Ocean.
7. Fall 1994: Oceans 94 Conference in Brest France: Participant.
8. Fall 1994: InterRidge Conference on the 4-D Architecture of the Oceanic Crust in Boston: Workshop Participant.
9. Fall 1994: Ridge Conference on Mid Ocean Ridge Segmentation in Boston: Workshop Participant.
10. Winter 1994: Ocean Borehole Laboratories, Instrumentation, and Sampling Program (OBLISP) Workshop at RSMAS, University of Miami: Workshop Participant.
11. 1995–1997: Associate Editor for the *Journal of Geophysical Research, Solid Earth*.
12. Summer 1995: RIDGE Theoretical Institute Short Course on Faulting and Magma emplacement at Mid-Ocean Ridges: Participant.
13. Winter 1996: NSF Southern East Pacific Rise Workshop in Monterey, California: Participant and Presenter.
14. Spring 1996: Special session on Mid-Ocean Ridge Processes (with J. Francheteau and H. Sloan) at the European Geophysical Society in the Hague, Netherlands: Convener and Organizer.
15. Summer 1996: IEEE AUV Conference near the Naval Post-graduate School in Monterey, California: Participant,
16. Fall 1996: NSF Conference on the Magnetization of Oceanic Crust in the San Juan Islands: Co-chair.

17. Fall 1997: RIDGE Conference on Mid-Ocean Ridge Processes in Iceland: Presenter and participant.
18. 1997–2000: United States Scientific Advisory Committee for the National Science Foundation’s Ocean Drilling Program (chaired by Peggy Delaney)—Note: Tim Bralower and I co-authored, “Understanding the Earth Through Ocean Drilling,” the proposal submitted by USSAC for the US involvement in the (first) IODP: Member.
19. Summer 1998: Penrose Conference on Ocean Island Volcanoes in the Galapagos Islands: Presenter and Participant.
20. Fall 1998: Multibeam Short Course in Singapore: Participant.
21. Spring 1999: Florida Marine Research Institute’s Marine Quest on April 22–24: Presenter and Participant.
22. Summer 1999: FEMME ’99 Forum for EM Multibeam Experience: Presenter and Participant.
23. Summer 1999: Undersea Explorations ‘99, Portland, Oregon: Presenter and Participant.
24. Fall 1999: UNOLS DESCEND Workshop at NSF in Washington, D.C.: Presenter.
25. March 2000: Sustainable Seas Expedition planning workshop regarding submersible science on the West Shelf of Florida at the Mote Marine Lab in Sarasota, Florida: Presenter and Participant.
26. April 2000: RIDGE 2000 Integrated Study Workshop in DeKalb, Illinois: Presenter and Participant.
27. May 30, 2000: Sustainable Seas Planning Meeting at Florida Institute of Oceanography, St. Petersburg, Florida: Participant.
28. June 7, 2000: USF St. Petersburg Campus Master Plan Workshop: Participant.
29. June 9, 2000: South Florida Ocean Measurement Center (SFOMC) Media/VIP Open House at Dania Beach, Florida: Presenter and Participant.
30. June 11, 2000: Global Ocean Mapping Project (GOMaP) workshop at Bay St. Louis, sponsored by the Naval Research Labs: Participant and Presenter of using the Gulf of Mexico as a potential pilot study area.
31. October 14, 2000: American Academy of Underwater Sciences at St. Petersburg Beach, Florida: Presenter and Participant.
32. October 17, 2000: NOAA Project Access Workshop 3.0 at the Florida Marine Research Institute, St. Petersburg, Florida: Participant and Presenter of a poster on using multibeam systems for search and rescue.
33. December 2000: Obtained and delivered ODP Site Survey Data to co-chief of Leg 197 at Oregon State University.
34. January 8–13, 2001: Multibeam short course in San Diego, CA: Participant.
35. March 6–9, 2001: Kongsberg Simrad FEMME Multibeam Conference in Victoria, Canada: Participant.
36. April 23–29, 2001: Mobilization of the Sustainable Seas Expedition multibeam mapping project in American Samoa in collaboration with Nancy Daschbach and Dawn Wright.
37. May 14–16, 2001: NSF and ONR sponsored Data Base Management workshop at the Sea Lodge in La Jolla, California: Participant, Presenter, and Discussion Leader of the Metadata Working Group.

38. July 22–25, 2001: Interim Site Survey Panel for the international Integrated Ocean Drilling Program, Lamont-Doherty Earth Observatory, NY: Participant.
39. September 24–27, 2001: University of New Hampshire Shallow 2001 Multibeam Conference, Oral presentation and poster presentation: Presenter and Participant.
40. October 11–25, 2001: Hosted two visitors from France, Gente and Blais, modeling changes in plate motion using the wax modeling apparatus at the USF College of Marine Science Plate Tectonics Lab: Host.
41. January 15–17, 2002: ONR Mine Burial and Scour Workshop at Scripps Institution of Oceanography, La Jolla, California: Participant.
42. February 25–27, 2002: Interim Site Survey Panel for the International Integrated Ocean Drilling Program, Beijing, China: Participant.
43. July 22–24, 2002: Interim Site Survey Panel for the international Integrated Ocean Drilling Program, Lamont-Doherty Earth Observatory, NY: Participant.
44. October 23–25, 2002: ABYSS Workshop—Author of Plate Tectonic Section, Presenter and Participant.
45. November 14, 2002: ONR Mine Burial and Scour Pre-Experiment Meeting at USF College of Marine Science: Host.
46. December 7, 2002: NSF Post-cruise Meeting II at the AGU in San Francisco: Convener.
47. January-March 2003: ONR Mine Burial and Scour Experiment near Clearwater, Florida January–March 2003: Site Coordinator.
48. January 28–30, 2003: Annual ONR Mine Burial and Scour meeting at St. Petersburg, Florida: Host, Presenter, and Participant.
49. February 24–26 and July 28–30 of 2003: Interim Site Survey Panel for Integrated Ocean Drilling Program: Participant on extended service.
50. February 2003 – February 2004: Formulated and chaired the MATRIX working group tasked to automate and integrate Site Characterization Requirements for the Integrated Ocean Drilling Program for the Site Survey Panel and Pollution Prevention and Safety Panel: Coordinator.
51. April 1–4: FEMME 2003: (Forum for EM Multibeam Experience) Kongsberg-Simrad Multibeam Users Conference, Cadiz Spain: Presenter and Participant.
52. April 7–11: Spring AGU-EGS-EUG meeting in Marseilles, France: Presenter, Participant.
53. May 2003: Two NSF Panels: Participant.
54. May 19–21, 2003: Coastal Sediments '03: Clearwater, Florida: Presenter and Participant.
55. June 30–July 2, 2003: ONR Preparation Meeting for the Mine Burial and Scour Experiment at Martha's Vineyard: Presenter and Participant.
56. July 3–July 22, 2003: Multibeam mobilization of R/V Melville and testing of the installation of the USF Kongsberg EM 3000 Multibeam system: Coordinator.
57. September 8–10, 2003: InterRidge Hotspot Meeting, Brest, France: Presenter and Participant.
58. September 24–27, 2003: Oceans 2003 Meeting, San Diego, CA: Presenter and Participant.
59. October 10–11, 2003: MorganFest, Princeton, NJ: Participant.
60. November 2003: Two NSF Panels: Participant.

61. December 9, 2003: American Geophysical Union Meeting: Special Session on “The Origins of Hot Spots, LIPs, Seamount Chains, and Volcanic Ridges,” at the Fall AGU: Organizer and Convener.
62. February 11–13, 2004: Site Survey Panel of the Integrated Ocean Drilling Program, Tokyo, Japan: Participant.
63. February 12–13, 2004: MATRIX Working Group Meetings: Chair and Presenter.
64. March 11–15, 2004: CARIS Multibeam data processing workshop, St. Petersburg, Florida: Host and Participant.
65. March 22–26, 2004: GMT (Generic Mapping Tools) Advanced Short Course, Honolulu, Hawaii: Participant.
66. April 12–14, 2004: ONR Mine Burial and Scour Annual Meeting, Woods Hole, Massachusetts: Presenter and Participant.
67. August 3–4, 2004: IODP SSP meeting at Lamont, invited to stay on one more year: Participant.
68. August 13–15, 2004: Post-NSF-Papua New Guinea Cruise-Meeting, Long Island: Participant.
69. October 28, 2004: Invited to join the NSF Ridge 2000 Steering Committee for 2005–2007: Participant.
70. November 10, 2004: Invited to join the NOAA South Florida Mapping Steering Committee: Participant.
71. November 2004: NSF panel service: Participant.
72. April 15–21, 2005: NSF Ridge 2000 Steering Committee Meeting, Kona, Hawaii: Participant.
73. April 25–29, 2005: FEMME Simrad Multibeam Users Conference, Dublin, Ireland: Presenter and Participant.
74. May 10–20, 2005: InterRidge and NSF RIDGE 2000 Ridge Ophiolite Field Trip with Joe Cann, Cyprus Greece: Participant.
75. May 26–27, 2005: Gulf States Mapping Consortium, New Orleans, Louisiana: Participant.
76. September 12–14, 2005: IODP Site Survey Panel Meeting, Scripps Institution of Oceanography, La Jolla, California: Participant.
77. September 15, 2005: IODP Site Survey Data Bank Advisory Board Meeting, Scripps Institution of Oceanography, La Jolla, California: Participant.
78. September 16, 2005: InterRidge Hydrothermal Vent Conference, Scripps Institution of Oceanography, La Jolla, California: Participant.
79. September 2005: NSF Panel: Participant.
80. October 31–November 2, 2005: NSF Ridge 2000 Steering Committee Meeting, and NSF Ridge 2000 Proposal Relevancy Panel, Vancouver, Canada: Participant.
81. February 21–22, 2006: IODP Site Survey Panel and Data Bank Advisory Meeting, Scripps Institution of Oceanography, La Jolla, California: Participant.
82. April 13–14, 2006: NSF Ridge 2000 Steering Committee Meeting, NSF, Arlington, Virginia: Participant.
83. May 1–3, 2006: NOAA Benthic Habitat Committee Meeting, FWRI, FWC, St. Petersburg, Florida: Participant.
84. May 2006: Two NSF Panels: Participant.

85. June 25–30, 2006: NSF Ridge 2000 Theoretical Institute Short Course on Hydrothermal Systems and Mammoth Lake Field Trip, Mammoth Lakes, California: Participant.
86. November 2–3, 2006: NSF Ridge 2000 Steering Committee Meeting, Scripps Institution of Oceanography, La Jolla, California: Participant.
87. April 23–24, 2007: NSF Ridge 2000 Steering Committee Meeting, Austin, Texas: Participant.
88. December 5–9, 2011: Fall AGU Judge of Student Presentations, San Francisco, California: Participant.
89. March 13, 2012: The first Southeast Acoustic Consortium (SEAC) workshop at the Marine Science Program at the North Miami Campus of Florida International University (FIU), Miami, Florida: Presenter and Participant.
90. October 25–28, 2012: 19th Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity at the Tampa Marriott Waterside, Tampa Florida (a Diversity workshop/conference sponsored also in part by the Alfred P. Sloan Foundation Minority PhD Program, USF, and NSF: Participant.
91. May 20–22, 2013: Workshop on the Interrelationships Between Coral Reefs and Fisheries, hosted by the Gulf of Mexico Fishery Management Council in Tampa Florida: Presenter and Participant.
92. October 1–4, 2013: 40 Years Strong: Creating a Transformative STEM Workforce, JW Marriott hosted by The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) in Indianapolis, Indiana: Participant.
93. October 31–November 3, 2013: 20th Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity at the Crystal Gateway Marriott, Diversity workshop/conference sponsored in part by the Alfred P. Sloan Foundation Minority PhD Program in Arlington, Virginia: Participant.
94. September 2014: SACNAS conference, USF/CMS Recruiting Booth, Los Angeles, California: Recruiter and Participant.
95. October 2014: Attended the 21st Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity, a workshop/conference sponsored in part by the Alfred P. Sloan Foundation Minority PhD Program, Atlanta, Georgia: Participant.
96. October 2015: Attended the SACNAS conference, USF/CMS Recruiting Booth, Washington DC: Recruiter and Participant.
97. November 2015: Attended the 22nd Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity, a workshop/conference sponsored in part by the Alfred P. Sloan Foundation Minority PhD Program, Arlington, Virginia: Participant.
98. February 2016: National Ocean Science (Spoonbill) Bowl: Served in Judges “Bullpen” and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
99. March 22–24, 2016: SEAC (SouthEast Acoustic Consortium) Meeting at FWRI, FWC, St. Petersburg, Florida: Participant.

100. October 2016: 23rd Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity, a workshop/conference sponsored in part by the Alfred P. Sloan Foundation Minority PhD Program, Tampa, Florida: Participant.
101. February 2017: National Ocean Science (Spoonbill) Bowl: Served in Judges "Bullpen" and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
102. October 2017: 24th Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity, a workshop/conference sponsored in part by the Alfred P. Sloan Foundation Minority PhD Program, Atlanta, Georgia: Participant.
103. January 9–11, 2018: Florida Coastal Mapping Program Workshop, Florida Fish and Wildlife Research Institute, St. Petersburg, Florida: Participant.
104. January 2018: NSF panel: Participant.
105. February 2018: National Ocean Science (Spoonbill) Bowl: Served in Judges "Bullpen" and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
106. June 21-22, 2018: Sloan Directors meeting at the Sloan Foundation Headquarters, Manhattan, New York.
107. November 2018: Attended the 25th Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity, a workshop/conference sponsored in part by the Alfred P. Sloan Foundation Minority PhD Program, Arlington, Virginia: Participant.
108. January 2019: NSF panel: Participant.
109. February 2019: National Ocean Science (Spoonbill) Bowl: Served in Judges "Bullpen" and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
110. May 11-13, 2019: Summit on Improving Geoscience Graduate Student Preparedness for the Future Workforce, University of Texas at Austin: Participant.
111. May-July, 2019: NSF funded Research Experience for Undergraduates (REU) at the College of Marine Science USF, St. Petersburg, Florida: Co-director.
112. November 1, 2019: Sea Level Rise Conference, USF CAMLS Tampa, Florida: Attendant.

Research Funding (~ \$9.7 M to DFN from ~ \$14.9 M in projects 1990 through 2019):

1. Department of the Interior, United States Geological Survey, "Computer Software and Network Implementation," 9/22/90 to 9/30/91, \$6,535.
2. University of South Florida Research Council, "Is There Really a 'Speed Limit' for Transform Faults?" 4/1/91 to 4/1/92, \$6,500.
3. University of South Florida President's Council, "Video Taping of Seafloor Spreading Using Molten Wax," 5/1/91 to 8/1/92, \$3,000.
4. University of South Florida Research Council Travel Grants to Japan and Austria, 5/1/91 to 8/1/92, \$2,000.

5. University of South Florida Grant for University of Tokyo Scientists to collect 3-D magnetics along the Easter Seamount Chain, 9/1/92 – 8/31/93, \$5,000.
6. American Chemical Society, Petroleum Research Fund, "Computer Modeling of Microplate Formation Along A Divergent Plate Boundary," 5/1/91 to 8/31/93, \$18,000.
7. National Science Foundation, Ocean Sciences Division, "GLORIA Investigation of the Fastest Spreading Segment of the Global Seafloor Spreading System," 10/1/92 to 9/30/94, \$492,308 (R.N. Hey, P.I., D.F. Naar, co-P.I.; USF Portion \$23,809).
8. National Science Foundation, Ocean Sciences Division, "GLORIA and Geochemical Investigation of the Easter Seamount Chain," 10/1/92 to 9/30/95, \$563,557 to USF.
9. University of South Florida Research Council, "Seed Money to Prepare for a Submersible Program and Proposal," 5/1/94 to 4/30/95, \$6,000.
10. IFREMER Grant from France, "Construction and use of an Underwater Digital Geocompass," 11/1/93 to 6/1/94, \$11,264.
11. Travel Grant from Spain, "Seismic Survey of Easter Island," 12/31/93 to 6/1/94, \$1,000.
12. Office of Naval Research, "Support of the Research Activities of a Marine Engineering Institute at the University of South Florida," 6/1/94 to 5/31/96, \$15,258.
13. Office of Naval Research, "Physical Properties of Sediments," 8/1/94 to 7/31/96, \$99,179 (A.C. Hine, P.I., D.F. Naar co-P.I.; \$25,000 to Naar).
14. National Science Foundation, Academic Research Infrastructure Program, Office of Science and Technology Infrastructure, "Acquisition of GPS Equipment for Consortium Studies of Global Change and Tectonics of the Western Margin of the Americas," 10/1/95–9/30/98, \$2,000,000 (R.H. Ware, Lead P.I., D.F. Naar, Co-participant amongst many others; USF portion to Naar \$10,000).
15. Office of Naval Research, "High Resolution Seafloor Mapping, Sediment Type Prediction, and Nearshore Storm Process Measurements using CHIRP Sonar and AUV Technology," 1/1/96 – 12/31/97, \$793,588 (A. Hine, Lead P.I., D.F. Naar, co-P.I.; \$300,000 to Naar).
16. University of South Florida Research Council Travel Grant to the European Geophysical Society meeting, 10/15/95, \$1,500.
17. University of South Florida Research Council Travel Grant to join the French and German expedition to the Foundation Seamount Chain, 10/15/96, \$1,500.
18. Department of Interior, United States Geological Survey, "High Resolution Multibeam Swath Bathymetry System co-purchase to Map Shallow Water Environments," 10/1/97–9/30/98, \$50,000.
19. Office of Naval Research, "Utilizing Autonomous Underwater Vehicles for Seafloor Mapping, Target Identification, and Predictive Model Testing," 1/1/98 – 12/31/98, \$404,159 (A.C. Hine, Lead P.I., D.F. Naar, D. Mallinson, co-P.I.s; \$150,000 to Naar).
20. University of South Florida Research Council, Research and Creative Scholarship Award, "Hydrothermal and Structural Investigations along the World's Fastest Seafloor Spreading Segment," 1/1/98 – 12/31/98, \$3,800.

21. Office of Naval Research, “A Multi-Disciplinary Investigation of the Nature and Predictability of Sediment Resuspension in Shallow Water: Effect on Water Column and Bottom Optical Properties,” 8/1/98–12/31/99, \$451,381. (A.C. Hine, Lead P.I., D.F. Naar, Co-P.I.; \$150,000 to Naar).
22. Office of Naval Research (DURIP), “High-Resolution Multibeam System to Map Nearshore Bathymetry in Support of ONR Projects,” 3/31/99–3/30/00, \$162,233.
23. Florida Institute of Oceanography, “Mapping the Deepest Hole in Tampa Bay,” 3/1/99–6/30/99, \$4,000 (D.F. Naar, Lead P.I.; funds paid for ship time).
24. Florida Institute of Oceanography, “Remapping the Deepest Hole in Tampa Bay,” 7/1/99–6/30/00, \$4,000 (D.F. Naar, Lead P.I.; funds paid for ship time).
25. Florida Institute of Oceanography, “Mapping the Ft. Myers Mud Springs,” 7/1/99–6/30/00, \$8,000 (R. Byrne & D.F. Naar, Co-P.I.’s; funds paid ship time).
26. Department of Interior, United States Geological Survey, “Support for Multibeam Mapping Program” 10/1/99–9/30/00, \$15,000.
27. Office of Naval Research, “Calibration of Optical Remote Sensing Data in the Shallow Marine Environment: Defining the Bathymetric, Geologic, and Suspended Sediment Variables,” 1/1/00–12/31/00, \$366,425 (P. Howd, Lead P.I., D.F. Naar, D. Mallinson, A. Hine, Co-P.I.s; \$200,000 to Naar).
28. National Fish and Wildlife Foundation, “Multibeam Mapping of the Florida Middle Grounds,” 7/1/00–6/30/01, \$50,000 (D. Mallinson, Lead P.I., D.F. Naar, Co-P.I.; \$40,000 to Naar).
29. Florida Fish and Wildlife Conservation Commission, Florida Marine Research Institute, “Multibeam Mapping a portion of Broward County,” 6/1/00–12/31/00, \$15,000, (D.F. Naar, Lead P.I., D. Mallinson, Co-P.I.; \$10,000 to Naar).
30. Department of Interior, United States Geological Survey, “Support for Center of Coastal Ocean Mapping,” 10/1/00–9/30/01, \$38,000.
31. Department of Interior, United States Geological Survey, “Characterization of the Western Extent of the South Florida Reef Tract,” 10/1/00–9/30/01, \$127,000 (B. Halley, USGS–Lead P.I., A.C. Hine, and D.F. Naar. Co-P.I.s; \$63,500 to Naar).
32. Office of Naval Research, “Sediment Dynamics on the West Florida Inner Continental Shelf” 11/1/00 –12/31/01, \$636,186 (P. Howd, Lead P.I., D.F. Naar and A. Hine, Co-P.I.s; \$318,000 to Naar).
33. National Science Foundation, Ocean Sciences Division, “Assessing Hotspot Fixity in the Pacific Basin,” 1/1/1–12/31/02, \$528,836 (D.F. Naar, Lead P.I., R. Duncan, J. Mahoney, and K. Johnson, Co-P.I.s; \$528,836 to NSF).
34. Florida Institute of Oceanography, “Multibeam Mapping and Geochemical Investigation of the Ft. Myers Mud springs,” 1/1/01–6/30/01, \$27,000, (R.H. Byrne, Lead P.I. and D.F. Naar Co-P.I.; funds paid for ship time).
35. NOAA, “Multibeam Mapping of Marine Sanctuaries in American Samoa” 4/7/01–4/17/01, \$30,000.
36. Office of Naval Research, “Sediment Dynamics on the West Florida Inner Continental Shelf” 1/1/02 -12/31/02, \$698,000 (P. Howd, Lead P.I., D.F. Naar, S. Locker, and A. Hine, Co-P.I.s; \$349,000 to Naar).
37. Office of Naval Research (DURIP), “Upgrade of Seafloor Mapping Capabilities for ONR Mine Burial and Scour Studies,” 4/1/02– 9/30/03, \$200,000.

38. Florida Institute of Oceanography, “Multibeam Mapping and Geochemical Investigation of the Ft. Myers Mud springs,” 1/1/02–6/30/02, \$18,000 (R.H. Byrne, Lead P.I., and D.F. Naar, Co-P.I.; funds paid for ship).
39. NOAA, “Multibeam Mapping of Marine Sanctuaries in American Samoa in March and November of 2002” 3/2/02–3/1/03, \$45,500 (D.F. Naar, Lead P.I.).
40. Department of Interior, United States Geological Survey “Multibeam Mapping of Pulley Ridge and Miller’s Ledge and Riley’s Hump south of the Dry Tortugas” 10/1/01–9/30/03, \$117,000 (R. Halley, Lead P.I., and D.F. Naar, A. Hine, and D. Weaver (Co-P.I.s; \$100,000 went to Naar).
41. NOAA, GMFMC, “NOAA CRCG 2000 Completion of multibeam mapping in the Madison-Swanson MPA” 7/8/02–9/30/03, \$99,500.
42. NOAA, “NOAA CRCG 2003 Multibeam Studies of Florida Middle Grounds” 10/1/03–3/31/05, \$207,500.
43. NOAA, “Simrad EM 3000 multibeam mapping from Madison Swanson to Steamboat Lumps” 10/1/03–9/30/04, \$203,000.
44. National Science Foundation, Ocean Sciences Division, “Structure and composition of fast-spread EPR (East Pacific Rise) Oceanic Crust Exposed at Pito Deep,” 10/1/04–9/30/06, \$834,221 (J. Karson, Lead P.I., D.F. Naar, R.N. Hey, J. Gee, E. Klein, Co-P.I.s; \$124,297 to USF).
45. National Science Foundation, Subcontract from SIO/UCSD to USF, “High-Resolution multibeam investigations of Papua New Guinea coastal waters” 7/1/03–2/28/05, \$302,605.
46. Office of Naval Research, “Sediment Dynamics on the West Florida Inner Continental Shelf” 1/1/03 –12/31/04, \$178,610.
47. NOAA, “NOAA CRCG 2004 Multibeam Studies of Florida Middle Grounds” 10/1/04–9/30/06, \$167,000.
48. NOAA, “NOAA CRCG 2005 Multibeam Studies of Florida Middle Grounds” 10/1/05–12/31/06, \$75,000.
49. NOAA via EA, Engineering, Science, and Technology, “Multibeam Studies of Paleoshorelines along the west shelf of Florida” 10/1/03–3/31/04, \$172,000.
50. NOAA via EA, Engineering, Science, and Technology, “Multibeam Studies of Paleoshorelines along the west shelf of Florida” 10/1/04–3/31/05, \$50,000.
51. Gulfstream, Inc., “Scour and Burial Investigation of Pipeline Emplacement on West Shelf of Florida” 1/1/05–3/31/05, \$10,000.
52. ISMAR-CNR-ITALY, “Ph.D. Support for Sarine Manoukian–Multibeam Studies of Artificial Reef scour and fish communities” 7/1/06–6/30/11, \$207,977.
53. NOAA-CRCG-2007, “Multibeam investigation of Fish Habitat areas near Panama Beach, Florida, Gulf of Mexico” 10/1/07–9/30/08, \$100,000.
54. NOAA-CRCG-2007, “Multibeam investigations of SW Pulley Ridge, Gulf of Mexico” 10/1/07–9/30/08 \$60,000.
55. NOAA-CRCG-2008, “Continuation of Pulley Ridge Seafloor Mapping” 9/30/08 – 8/31/09, \$44,000.
56. Department of Ministry, Republic of the Maldives, “Multibeam bathymetry investigation of a coral reef slope collapse of the Male Atoll. “ 8/1/08 - 12/31/09 \$97,000.

57. NSF subcontract from SIO/UCSD to USF, Multibeam Mapping the Salton Sea, California, in collaboration with Neal Driscoll, 2008, \$8,000.
58. NOAA, Multibeam mapping investigation of Deep Coral Reefs, 2008–2010, \$192,000.
59. NOAA, Multibeam mapping and continued investigation of Pulley Ridge, 2008, \$84,000.
60. NOAA, Multibeam mapping of Panama City Beach and deep corals along the East Coast, Supplement, 2009, \$66,000.
61. Gulf of Mexico Fisheries Management Council, NOAA pass-through, Multibeam mapping of the Edges between Steamboat Lumps to Madison Swanson, a new MPA, 10/1/2009–9/30/2010, \$90,000.
62. NOAA, Multibeam mapping of deep corals, Supplement, 6/1/2010- 5/31/2011, \$27,000.
63. Nine USGS Student Support Contracts. Co-PI for Years: 2012, 2013, 2014, 2015, 2016, 2017, 2018, and 2019 (J. Dixon, Lead PI; D.F. Naar, Co-PI, in charge of managing the contracts and funds, approximately two students per year at \$50,000 per year totaling ~ \$400,000, over the past eight years).
64. Alfred P. Sloan Foundation, University Center for Exemplary Mentoring (UCEM) at USF, 2017–2021, \$2,500,000 (\$500K/year funding for underrepresented minority graduate students; Jose Zayas-Castro, Lead PI; Co-PIs: B. Batson, F. Muller-Karger, and D.F. Naar—either at USF College of Engineering or Marine Science)
65. Florida Institute of Oceanography, “IDH 3350-005 Marine Science of Estuaries,” 7/1/19–6/30/20, \$6,700 (D.F. Naar, Lead P.I.; funds paid for ship time).

Peer-Reviewed Publications:

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(students or previous students I assisted are in *italics*)

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 109. Hine, A.C., *B.D. Jarrett*, R.B. Halley, S.D. Locker, **D.J. Mallinson**, D.F. Naar, **B.T. Donahue**, D. Weaver, and E.A. Shinn, New geologic themes emerging from west Florida outer shelf studies: *In Geological Society of America Annual Meeting, Denver, CO.*, Abstracts with Programs, vol. 36(5), p. 193, 2004.
 110. Halley, R.B., A.C. Hine, *B.D. Jarrett*, D.C. Twichell, D.F. Naar, and G.D. Dennis, Pulley Ridge: the US's deepest hermatypic coral reef: Geological Society of America Annual Meeting, Denver, CO, Abstracts with Programs, p. 302, 2004.

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113. *Heft, K.L., K.M. Gillis, and Pito Deep Scientific Party, Fluid Flow and Hydrothermal Alteration Patterns in Sheeted Dikes at Pito Deep, Eos Trans. AGU 86(52), Fall Meet. Suppl., Abstract T33D-0584 (F313), 2005.*
114. *Pollock, M.A., E.M. Klein, J.A. Karson, and Pito Deep Scientific Party, Geochemical Variability of Dikes and Lavas Exposed in the Pito Deep, Eos Trans. AGU 86(52), Fall Meet. Suppl., Abstract T33D-0585 (F313), 2005.*
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117. *Morgan, L.A., J.A. Karson, N.W. Hayman, R.J. Varga, S.D. Hurst, and Pito Deep Scientific Party, Internal Structure of Basaltic Lavas and Sheeted Dikes in 3 Ma Super-Fast EPR Crust Exposed at Pito Deep, Eos Trans. AGU 86(52), Fall Meet. Suppl., Abstract T33D-0588 (F313), 2005.*
118. *Naar, D.F., R.N. Hey, J.S. Gee, R. Hekinian, J. Francheteau, J.A. Karson, E.M. Klein, K.M. Gillis, R.J. Varga, and Pito Deep Scientific Party, DSL120 Mosaics of Superfast EPR Crustal Layers Exposed by Ultraslow Spreading near Pito Deep, Eos Trans. AGU 86(52), Fall Meet. Suppl., Abstract T33D-0589 (F313), 2005.*
119. *Hurst, S.D., M. Kolak, M. Bowles, and Pito Deep Scientific Party, Digital Image Mosaics of the Oceanic Crust Exposed at the Pito Deep: Mesoscopic Perspectives on Structure and Deformation, Eos Trans. AGU 86(52), Fall Meet. Suppl., Abstract T33D-0590 (F313), 2005.*
120. *Varga, R. J., J.A. Karson, J. Francheteau, J.S. Gee, K. Gillis, R. Hekinian, R. Hey, E. Klein, D. Naar, and Pito Deep Scientific Party, Alvin, Jason II, DSL-120 Investigation of Super-Fast EPR Crust Exposed at the Pito Deep Rift, Easter Microplate, SE Pacific, Eos Trans. AGU 86(52), Fall Meet. Suppl., Abstract T33D-0591 (F313), 2005.*
121. *Hey, R.N., J.S. Gee, and Pito Deep Scientific Party, ALVIN Magnetometer Investigations of Pito Deep, Easter Microplate, Eos Trans. AGU 86(52), Fall Meet. Suppl., Abstract T33D-0592 (F313), 2005.*
122. **Mallinson, D., B. Donahue, D. Naar, A. Hine, and S. Locker, Pleistocene and Holocene geologic controls on the Florida Middle Ground relict reef complex: A diverse benthic environment on the West Florida Shelf. Eos Transactions, AGU Ocean Sciences Meeting, 2006.**
123. *Wright, D.J., K.R. Hogrefe, D. Naar, J. Roberts, J.E. Miller, S. Ferguson, A.A. Koppers, T. Battista, E. Lim, L.A. Taylor, P. Anderson, Regional and nearshore*

- Bathymetry of American Samoa: Implications for Tsunami Run-up and Public Awareness, *AGU Fall Meeting Abstracts 1*, 7, Fall Meeting, 2009.
124. Naar, D.F., A full summary of the past decade of seafloor mapping surrounding Florida, *at the Workshop on the Interrelationships Between Coral Reefs and Fisheries*, hosted by the Gulf of Mexico Fishery Management Council, Tampa, Florida, May 20-22, 2013.
 125. Murawski, S.A., C. Lembke, W. Hogarth, D. Naar, S. Grasty, **J. Brizzolara**, **E. Hughes**, Fishery Stock Assessments: Promise, Progress & Problems with *in situ* Approaches Using Optics and Acoustics, *in the Mobile Alabama, 2014 Gulf of Mexico Oil Spill & Ecosystem Science Conference, January 26-29, 2014*, <http://gulfofmexicoconference.org/2014/thanks-making-2014-conference-success/>
 126. **Brizzolara, J.**, S. Murawski, and D.F. Naar, Benthic Habitat Characterization of the West Florida Shelf Using High Resolution Multibeam Sonar and Towed Underwater Video. Poster presentation at the *American Association of Petroleum Geologists Annual Convention and Exhibition*, Houston, TX, 8 April 2014.
 127. **Hughes, E.**, **J. Brizzolara**, S. Murawski, and D. Naar, Advanced survey technologies for Gulf of Mexico reef fish - Efforts in 2013, *SEAC (SouthEast Acoustic Consortium) Meeting*, 2014.
 128. **Hughes, E.**, S. Murawski, and D. Naar, Characterizing Reef Fish Communities on the West Florida Shelf: Collecting Acoustic Data Coupled with Video Data Poster presentation in Nantes France at the *ICES Symposium on Marine Ecosystem Acoustics—Observing the Ocean Interior in Support of Integrated Management—25-28 May 2015*.
 129. **Arellano, A.R.**, B. Batson, F.E. Muller-Karger, D.F. Naar, and J. Zayas-Castro, The USF Sloan Foundation University Center of Exemplary Mentoring: A Model for Increasing PhD Diversity in Ocean Sciences, Fall AGU 2018, Washington DC <https://agu.confex.com/agu/fm18/meetingapp.cgi/Paper/462893>.
 130. **Brizzolara, J.**, **J. Gray**, A. Ilich, S. Grasty, A. Silverman, A. Vivlamore, C. Lembke, M. Hommeyer, S. Locker, D. Naar, and S. Murawski, Characterizing Benthic Habitats Using Multibeam Sonars and Towed Underwater Video on the West Florida Shelf. 2018 GeoHab Marine Geological and Biological Habitat Mapping Meeting. Santa Barbara, CA.

Oceanographic Research Cruises:

1979:

November, Side-scan and 3.5 kHz investigation of the Santa Barbara Channel and the Anacapa Passage, Santa Barbara-Santa Barbara, University of California, Santa Barbara, chief scientist B.P. Luyendyk, *R/V Ellen B. Scripps*.

1980:

July, Side-scan and 3.5 kHz investigation of the Santa Barbara Channel, deployment/retrieval of an ocean bottom seismometer, and development of real-time plotting package, Oxnard Santa Barbara-Santa Barbara-Oxnard, University of California, Santa Barbara, chief scientist W.A. Prothero, *R/V Ellen B. Scripps*.

1981:

September, Deployment of an ocean bottom seismometer near Point Conception and testing of real-time plotting package, Oxnard-Oxnard, University of California, Santa Barbara, chief scientist W.A. Prothero, *R/V Ellen B. Scripps*.

1982:

June, Sea Beam test cruise of the San Clemente Escarpment, California Borderland, San Diego-San Diego, Scripps Institution of Oceanography, chief scientist M.C. Legg, *R/V Thomas Washington*.

1983:

April, Sea Beam investigation of the Easter microplate, Easter Island- Callao, Scripps Institution of Oceanography, chief scientist R.N. Hey, *R/V Thomas Washington*.

1984:

February, Sea Beam mapping and dredging of the Popcorn Ridge, Baja California Borderland, San Diego-San Diego, Scripps Institution of Oceanography, chief scientist H. Craig, *R/V Thomas Washington*.

1985:

July, Hydrocast measurements of the central North Pacific gyre, dredging of the outer Hawaiian Island chain, and hand collection of subaerial olivine-basalts (via an inflatable Zodiac), Honolulu-Honolulu, Scripps Institution of Oceanography, chief scientist H. Craig, *R/V Melville*.

November-December, Sea Beam investigation of the Mathematician paleomicroplate, Manzanillo-Pago Pago, Scripps Institution of Oceanography, chief scientist J. Mammerickx, co-chief scientist D.F. Naar, *R/V Thomas Washington*.

1987:

January-February, Sea Beam investigation of the northern and southern boundaries of the Easter microplate, Easter Island-Easter Island, chief scientist J. Francheteau, co-chief scientists D.F. Naar and R.C. Searle, *R/V Jean Charcot*.

April, SeaMARC II test cruise in the Alenuihaha Channel, Honolulu-Kawaihae, chief scientist T. Reed, *R/V Moana Wave*.

October-November, SeaMARC II investigation of the Easter microplate, Easter Island-Easter Island, chief scientist R.N. Hey, co-chief scientist D.F. Naar, *R/V Moana Wave*.

1990:

July-August, Side-scan, seismic reflection, and piston coring along the southern Florida Escarpment, St. Petersburg-St. Petersburg, chief scientist A. Hine, *R/V Suncoaster*.

November, Seismic reflection across the Tampa Bay, St. Petersburg-St. Petersburg, chief scientist A. Hine, *R/V Bellows*.

1991:

June-July, GLORIA, Hydrosweep and routine marine geophysical data collection of the entire Juan Fernandez Microplate, Papeete-Valparaiso, chief scientist R. Larson, *R/V Ewing*.

1992:

April-May, Columbus 2 expedition, Leg 1: 9 and 120 kHz side-scan sonar and bathymetry swath mapping (Sys 09) from Florida to the Yucatan Peninsula and then to the Virgin Islands, chief scientist D. Hussong, co-chief scientist D.F. Naar, *R/V E.T.*

May-June, Columbus 2 expedition, Leg 2. 9 and 120 kHz side-scan sonar and bathymetry swath mapping (Sys 09) from St. Thomas to the Canary Islands, across the mid-Atlantic Ridge near the Kane Fracture Zone, chief scientist D.F. Naar, *R/V E.T.*

September-October, TPC5 Expedition using Sys 09 side-scan and bathymetry system from Honolulu to Guam, chief scientist D.F. Naar, *R/V Asia Maru*.

1993:

March-May, 2 NSF Legs collecting new GLORI-B side-scan sonar and swath bathymetry data, routine marine geophysical data, and dredge samples along the fastest spreading segment of the East Pacific Rise and the Easter Seamount Chain, Easter Island-Valparaiso-Easter Island, chief scientist D.F. Naar on both Legs, *R/V Melville*.

July, Side-scan survey of The Tampa Bay Channel, St. Petersburg-St. Petersburg, chief scientist S. Locker, *R/V Bellows*.

August, Assessment survey of the Tampa Bay oil and phosphate spill near Mullet Key, St. Petersburg-St. Petersburg, chief scientist G. Vargo, *R/V Suncoaster*.

November, French submersible Nautile, investigation of the Pito Deep area, Easter Island-Easter Island, chief scientist J. Frencheteau, *R/V Nadir*.

1994:

March, Multichannel seismic reflection and refraction survey, Valparaiso- Easter Island, chief scientist J.J. Danobeitia, co-chief scientist D.F. Naar, *B/O Hesperides*.

August, Side-scan survey of the Gulf of Mexico shallow shelf region, Clearwater-Clearwater, chief scientist S. Harrison, co-chief scientist D.F. Naar, *R/V Bullboat*.

October, Multichannel seismic reflection and side-scan survey of West Florida platform, St. Petersburg-St. Petersburg, chief scientist S. Locker, *R/V Suncoaster*.

November, Chirp, side-scan survey and measurement of sediment physical properties at Boca Raton Beach, West Palm Beach-West Palm Beach, chief scientist D.F. Naar, *R/V Suncoaster*.

1995:

June, Chirp, side-scan survey and measurement of sediment physical properties at Indian Rocks Beach, Egmont Key, and Tampa Bay, St. Petersburg-St. Petersburg, chief scientist D. Mallinson, *R/V Suncoaster*.

July, ELAC Shallow water Bottom Chart Compact multibeam swath bathymetry test cruise at Indian rocks Beach and Egmont Key, St. Petersburg-St. Petersburg, chief scientists, D.F. Naar and S.E. Harrison, *R/V Bellows*.

1996:

March-April, Galapagos multibeam and gravity survey of the Galapagos spreading axis, Callao-Acapulco, chief scientist J. Danobeitia, *B/O Hesperides*.

May, Sand ridge survey west of Florida using ELAC multibeam, 100/500 kHz side-scan, and Delph single-channel seismics, St. Petersburg-St. Petersburg, chief scientist, D. Mallinson, *R/V Bellows*.

June, 100 KHz side-scan, sampling and Delph single-channel seismic survey along the southwestern edge of the Florida Platform, St. Petersburg - Key West - St. Petersburg, chief scientist D. Mallinson, *R/V Suncoaster*.

1997:

January-February, Simrad Survey of the Foundation Seamount Chain, Tahiti-Easter Island, chief scientist, M. Maia, *R/V Atalante*.

March, Methods in Geological Oceanography near Egmont Key, St. Petersburg - St. Petersburg, chief scientist, S. Tebbens, *R/V Bellows*.

March, Indian Rocks Beach, AUV side-scan of mines, St. Petersburg - St. Petersburg, co-chief scientist, D. Mallinson and M. Hafen, *R/V Suncoaster*.

April, Indian Rocks Beach, AUV side-scan of mines, St. Petersburg - St. Petersburg, co-chief scientist, D. Mallinson and M. Hafen, *R/V Bellows*.

May, Indian Rocks Beach, Transponder retrieval and bottom photography of inert mines, chief scientist, D. Mallinson, *R/V Ooid*.

June, Tampa Bay Test Cruise, St. Petersburg - St. Petersburg, chief scientist, A. Hine, *R/V Price*.

July, 100kHz side-scan and single-beam bathymetry survey of Tampa Bay entrance, Fort DeSoto - Fort DeSoto, chief scientist, B. Donahue, *R/V Price*.

November, 100kHz side-scan and single-beam bathymetry of Indian Rocks Beach area, St. Petersburg - St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

1998:

March-April, DSL-120 and Tow-Yo survey of the fastest seafloor spreading segment on Earth, Easter Island-Tahiti, chief scientist, R.N. Hey, *R/V Melville*.

November, Ft. Lauderdale 100 & 500 kHz side-scan survey of Navy Test Range, Ft. Lauderdale-Ft. Lauderdale, chief scientist, D.F. Naar, *R/V Seadiver*.

December, Ft. Lauderdale 100 & 500 kHz side-scan survey of Navy Test Range, Ft. Lauderdale-Ft. Lauderdale, chief scientist, D.F. Naar, *R/V Suncoaster*.

1999:

February, Sea trials of Simrad EM 3000, St. Petersburg-St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

February, Simrad 3000 multibeam survey of the ONR HyCODE and EcoHab test sites near Sarasota, St. Petersburg-St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

March, Simrad 3000 multibeam survey of selected sites near the mouth of Tampa Bay, St. Petersburg-St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

April, Simrad 3000 multibeam survey of the western extent of the south Florida Reef Tract, St. Petersburg-St. Petersburg, chief scientist, B. Jarrett, co-chief, D.F. Naar, *R/V Bellows*.

August, Simrad 3000 multibeam survey of Key Biscayne, Key Biscayne-Key Biscayne, chief scientists, D.F. Naar and M. Hansen, *R/V Price*.

September, Remapping Egmont Deep with Simrad 3000, St. Petersburg-St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

2000:

March, Simrad EM 3000 multibeam and geochemical SCUBA survey of the Ft. Myers Mudhole Submarine Springs, St. Petersburg-St. Petersburg, chief scientists, D.F. Naar and R.H. Byrne, *R/V Suncoaster*.

May, Simrad EM 3000 multibeam survey of Lee Stocking Island, Bahamas, Florida Keys, Artificial reef sites, and Naval dumpsites, St. Petersburg-Freeport-Lee Stocking-St. Petersburg, chief scientists, D.F. Naar and B. Donahue, *R/V Suncoaster*.

July, Simrad EM 3000 multibeam and 100 kHz side-scan survey in the Sarasota, Florida HyCODE (Hyperspectral Coastal Ocean Dynamic Experiment) study area during Optical remote sensing overflights, St. Petersburg-St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

August-September, Trans Global Network Segment 5, SYS-09 (9 kHz swath bathymetry and side-scan) Cable Route Survey, Astoria, Oregon, USA–Yokohama, Japan, chief geologist, D.F. Naar, *R/V Moana Wave*.

November, Simrad EM 3000 multibeam and 100 kHz side-scan survey in the Sarasota, Florida HyCODE (Hyperspectral Coastal Ocean Dynamic Experiment) study area during Optical remote sensing overflights, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

December, Simrad EM 3000 multibeam survey of the Dania Beach area for the Florida Marine Research Institute, Nova University, and the South Florida Ocean Measurement Center, Dania Beach–Dania Beach, chief scientists, D.F. Naar and B. Donahue, *R/V Price*.

2001:

January, Simrad EM 120 multibeam test cruise, San Diego–San Diego, chief scientist, C. deMoustier, *R/V Revelle*.

March, Simrad EM 3000 multibeam survey of the Ft. Myers Mudhole Submarine Springs, shipwrecks, artificial reef site, Egmont Deep, and the Bayboro Harbor, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Suncoaster*.

August, Simrad EM 3000 multibeam survey of the Dry Tortugas, St. Petersburg–St. Petersburg, chief scientist, D. Weaver (USGS), co-chief scientist D.F. Naar, *R/V Bellows*.

September, Simrad EM 3000 multibeam survey of Pulley Ridge, St. Petersburg–St. Petersburg, chief scientist, R. Halley (USGS), co-chief, A. Hine, *R/V Suncoaster*.

November–December, Simrad EM 120 and dredging survey of the Nazca Ridge and Easter Seamount Chain to assess hotspot fixity in the Pacific Basin, Callao, Peru–Easter Island, chief scientist, D.F. Naar, co-chiefs, K. Johnson, D. Pyle, P. Wessel. *R/V Revelle*.

2002:

March, Simrad EM 120 multibeam survey around Tutuila, American Samoa, Pago Pago–Pago Pago, chief scientist, D.F. Naar, co-chief D. Wright, *R/V Revelle*.

April, Simrad EM 3000 multibeam and geochemical SCUBA survey of the Ft. Myers Mudhole Submarine Springs, St. Petersburg–St. Petersburg, chief scientists, D.F. Naar and R.H. Byrne, *R/V Suncoaster*.

April, Simrad EM 3000 multibeam survey of the ONR Mine and Burial study area in water depths greater than 10 meters west of Indian Rocks Beach, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

April-May, Simrad EM 3000 multibeam survey of Miller's Ledge and Riley's Hump south of the Dry Tortugas, St. Petersburg–Key West, chief scientists, D.F. Naar and D. Weaver, *R/V Suncoaster*.

June, Inspection and survey of the R/V Savannah in preparation for Simrad EM 3000 survey of the Oculina Bank, Savannah, Georgia, D.F. Naar and B. Donahue, *R/V Savannah*.

July, Simrad EM 3000 multibeam survey of Madison-Swanson and Twin Ridges in the NE Gulf of Mexico, St. Petersburg–Panama City–St. Petersburg, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

November, Simrad EM 3000 multibeam survey of National Park and National Marine Sanctuary areas near American Samoa, Pago Pago–Pago Pago, chief scientist, D.F. Naar, co-chief, B. Donahue, *M/V Lady Ann*.

2003:

January-March, ONR Mine Burial and Scour Experiment West of Clearwater Beach, St. Petersburg–St. Petersburg (multiple legs), chief scientist, D.F. Naar, co-chiefs, B. Donahue, S. Locker, M. Richardson, *R/V Suncoaster*.

August, Vancouver Leg 12 (VANC12MV): Mobilization and Shakedown Cruise of EM 3000 installation, Darwin, Australia - Cairns, Australia, D.F. Naar, chief scientist, B. Donahue, co-chief scientist, *R/V Melville*.

2004:

April-May, Second Leg of EM3000 multibeam mapping of the Fly River Delta, Papua New Guinea, Cairns–Port Moresby–Cairns (multiple legs), chief scientists, A. Ogstron, C. Nittrouer, *R/V Melville*.

October, Simrad EM 3000 multibeam mapping of the Florida Middle Grounds and Tampa Bay, St. Petersburg–St. Petersburg, chief scientist D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

2005:

January-March, Alvin, Jason, DSL120 investigation of crustal structure at Pito Deep, Easter Island–Tahiti, J. Karson, Ch. Sci., co-chiefs, D. F. Naar, R. Hey, and E. Klein, *R/V Atlantis*.

July-August 2005: Land Support for 3 NOAA legs of the R/V Suncoaster EM 3000 Multibeam survey of Florida Middle Ground and NW Florida Shelf Edge Corridor and Fill-In areas, St. Petersburg–St. Petersburg, chief scientist B. Donahue, *R/V Suncoaster*.

August, 2005: Hull-Mounted EM3002 Sea Trial and scour investigation of Artificial Reefs, Ancona–Ancona, Italy, chief scientist, G. Fabi, *R/V Ismar*.

2006:

February, Hull-Mounted EM3002 Sea Trial and EM3000 Comparison, Horten–Horten, Norway, chief scientist, D.F. Naar, *R/V Simrad*.

July, Completion of mapping and sampling the Florida Middle Ground HAPC and nearby areas using Simrad EM 3000 multibeam sonar, St. Petersburg–St. Petersburg, Florida, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

2007:

February, Multibeam Mapping of Northern Pulley Ridge Paleo-shoreline, St. Petersburg–St. Petersburg, Florida, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

March, Multibeam Mapping Transects South of Panama City Beach, St. Petersburg–St. Petersburg, Florida, chief scientist, D. F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

November, Multibeam Mapping of Southwestern Pulley Ridge Area, St. Petersburg–St. Petersburg, Florida, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

December, Multibeam Mapping Additional transects south of Panama City Beach, St. Petersburg–St. Petersburg, Florida, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

2008:

August, Multibeam Mapping of Coral Reef Slope Collapse surrounding Male, Republic of the Maldives, Male–Male, chief scientist, D.F. Naar, co-chief B. Donahue, *R/V ERC*.

2009:

April, Multibeam Mapping of Sambo Key, Key West, and Pulley Ridge, St. Petersburg–Key West– St. Petersburg, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Weatherbird II*.

August, Multibeam Mapping of Pulley Ridge, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Weatherbird II*.

2010:

October–November, Kongsberg EM 710 (70–100 kHz) multibeam bathymetry and backscatter survey of Deep Corals surrounding Florida along the shelf slope, Pascagoula–Pascagoula, chief scientist, D.F. Naar, *R/V Lost Coast Explorer*.

2011:

May, Reson 7125 (200–400 kHz) multibeam bathymetry and backscatter survey offshore of Panama City Beach, Panama City Beach– Panama City Beach, chief scientist, D.F. Naar, *R/V SEAS*.

2015:

September, Reson 7125 (200-400 kHz) Mobilization and Sea Trial in Tampa Bay, chief scientist, C. Lembke, co-chief, D.F. Naar.

2019:

May, NSF REU FIO Demonstration Cruise using Reson Dual-head Seabat Multibeam (200-400 kHz), EK-80, CTD, Rosette, in Tampa Bay and the Gulf of Mexico, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Hogarth*.

Student Committees Served On (**Advisor, *Co-Advisor):

S. Ahmed, Ph.D.
**G. Berman, M.S.
*R. Bird, Ph.D. (University of Rhode Island)
M. Bordelon, M.S.
**J. Brizzolara, M.S.
E. Brown, Ph.D.
S. Burroughs, Ph.D.
*N. Comer, B.A. (Eckerd College)
F. Delfin, M.S.
D. Duncan, Ph.D.
D. Firesinger, M.S.
**J. Gray, M.S.
*M. Hafen, Ph.D.
S. Harrison, M.S.
C. Huang, M.S.
*S. Hymel, M.S.
B. Jarrett, Ph.D.
*J. Kilborn, Ph.D.
*T. Leary, M.S.
**Z. Liu, Ph.D.
**S. Manoukian, Ph.D.
**M. McIntyre, M.S.
S. Morrison, M.S.
**Y. Rappaport, M.S.
**S. Saleem, M.S.
S. Sherman, M.S.
**L. Stewart, M.S.
E. Tenthorey, M.S.
J. van Gaalen, M.S.
C. Wall, Ph.D.
*J. Wang, M.S.
M. Wang, Ph.D.
**D. Wilder, M.S.
**M. Wolfson, M.S.

Student Committees Currently Serving On (**Advisor, *Co-Advisor):

*E. Hughes, Ph.D.
**C. Detrick, Ph.D.
**M. Mussett, M.S.

Technicians, Data Processors, and Staff Supervised:

A. Arellano
T. Bartlett
K. Ciembronowicz
N. Comer
M. Cook
B. Donahue
S. Francis
D. Gaydos
D. Ishler
S. Mahank
M. McIntyre
B. Reynolds
S. Shedler
B. Sheehy
M. Wilson

Committee Service:

1. Department of Marine Science: Library Committee, Chair
2. Department of Marine Science: Computer Committee
3. Department of Marine Science: Recruitment Committee
4. Department of Marine Science: Long-Term Planning Committee
5. Department of Marine Science: Fellowship Committee, Chair
6. Department of Marine Science: Budget Committee
7. Department of Marine Science: Search Committee, Chair
8. Department of Marine Science: Tenure and Promotion Committee
9. Department of Marine Science: Faculty Evaluation Committee, Chair, member
10. College of Arts and Sciences: Academic Computing Committee
11. College of Arts and Sciences: Grievance Committee
12. College of Arts and Sciences: Search Committee for College Statistician
13. College of Marine Science: Fellowship Committee, Chair
14. College of Marine Science: Library Committee
15. College of Marine Science: Computer Committee
16. College of Marine Science: Recruitment Committee
17. College of Marine Science: Long-Term Planning Committee
18. College of Marine Science: Budget Committee
19. College of Marine Science: Tenure and Promotion Committee

20. College of Marine Science: Dean's Advisory Council (Representative for the Geological Oceanography Group and then as Chair)
21. University Library Liaison for Department
22. University Academic Computing Committee as both a College of Arts and Sciences and a College of Marine Science Representative
23. University Computing/Data Communications Technical Advisory Group
24. University Task Force on Scientific and Technical Computing
25. University Steering Committee for a new Marine Engineering Institute
26. University Academic Support Enhancement at St. Petersburg Campus
27. University Search Committee for Librarian at St. Petersburg Campus
28. University Campus Faculty Council at St. Petersburg Campus
29. University Capital Improvement Trust Funds Committee at St. Pete Campus
30. University Search Committee for a new Dean of the Arts and Sciences College
31. University Search Committee for a new Dockmaster at USF-St. Petersburg
32. University Search Committee for a new Dean of the College of Marine Science at USF-St. Petersburg
33. University Search Committee for a new ITO (Information Technology Officer)
34. University Search Committee for a new Graduate School Dean.
35. College of Marine Science: Search Committee for a new Phytoplankton Professor
36. University Graduate Council
37. University Enrollment/Graduate Associate Deans (EGAD)
38. University Global Academic Partnerships
39. University SACS Steering Committee
40. University Faculty Senate Alternate
41. University CEPI–Council for Education and Policy Issues
42. College of Marine Science Search Committee for Academic Affairs Assistant
43. College of Marine Science Curriculum Committee
44. University Honors and Awards Council
45. University Ad Hoc Committee on Closed Captioning for Teaching Materials
46. College of Marine Science: Integrated Marine Science Exam Committee
47. College of Marine Science: Admissions Committee, Chair
48. University Status Of Latinos (SOL) Presidential Advisory Committee
49. University Council of Associate Deans
50. University Data Dive Metrics Group
51. University Academy for Teaching and Learning Excellence
52. College of Marine Science: Faculty Search for Chemical Oceanographer
53. College of Marine Science: Faculty Search for Geological Oceanographer
54. University Provost Task Force for Graduate and Professional Student Success

Course Taught:

1. Plate Tectonics (Graduate)
2. Geological Oceanography (Graduate)
3. Seamounts (Graduate)
4. Plate Tectonics (Undergraduate)
5. Basic Oceanography (Undergraduate)

6. Structural Geology (Undergraduate)
7. Methods in Seafloor Mapping (Graduate)
8. Methods in Marine Geophysics (Graduate)
9. Surf Science (Undergraduate and Graduate)
10. Advanced Undergraduate Oceanography (Undergraduate)
11. Introduction to Oceanography (Undergraduate Survey Course 3 lectures)
12. Remote Sensing (acoustic methods for seafloor and water column mapping lecture)
13. Research Experience for Undergraduates (Undergraduate)
14. Honors Course in Marine Studies of Estuaries (Undergraduate)

Invited Presentations:

February 5, 1990, "Large-Scale Plate Boundary Reorganization at the Easter Microplate," IGPP Geophysics Seminar at Scripps Institution of Oceanography, University of California, San Diego.

February 21, 1991, "Propagating Rifts and Microplates: Second-Order Plate Tectonics," Florida Institute of Oceanography and the Southwest Florida Teacher Education Center, Fort Myers.

March 8, 1991, "Microplates and Propagating Rifts," Geology Department Colloquium, University of South Florida, Tampa.

March 25, 1992, "Seafloor Spreading Processes and their Physical Simulation," Geology Department, University of Florida, Gainesville.

March 26, 1992, "Microplates at Mid-Ocean Ridges and in Molten Wax," Rosenstiel School of Marine and Atmospheric Science, University of Miami.

March 27, 1992, "Seafloor Spreading and Its Simulation in Molten Wax," Physics Department, University of South Florida, Tampa.

January 29, 1993, "Hotspots and Mid-Ocean Ridge Interactions: The Easter Seamount Chain" Geology Department, University of South Florida, Tampa.

March 11, 1993, "The Easter Seamount Chain and its Relationship to microplates, hotspots, and the East Pacific Rise" Graduate School of Oceanography, University of Rhode Island, Narragansett.

December 3, 1993, "Black Smokers on Pito Seamount" Marine Science Department, University of South Florida, St. Petersburg.

January 4, 1994, "Black Smokers near Easter Island" Shriner's Club, St. Petersburg.

February 2, 1994, "Active Black Smokers and Various Creatures near Easter Island" USF Bayboro Lyceum Series, St. Petersburg.

August 1, 1994, "Superfast Seafloor Spreading Seen by Side-Scan Sonar and Submersibles in the Sunny South Pacific" University of South Florida Food for Thought Luncheon, St. Petersburg.

September 28, 1994, "Volcanic Eruptions around Easter Island in the South Pacific" Eckerd College, St. Petersburg.

October 19, 1994, "Hydrothermal Activity near Easter Island" Eckerd College, Sigma Xi Lecture, St. Petersburg.

April 14, 1995, "Volcanoes Above and Below the Sea" Geology Department Colloquium, University of South Florida, Tampa.

July 15, 1995, "Active Underwater Volcanoes" Marine Quest '95 for the Department of Environmental Protection's Florida Marine Research Institute Public Open House, St. Petersburg.

May 8, 1996, "Mathematician paleoplate revisited suggests two-stage birth of East Pacific Rise" Special Session on Mid-Ocean Ridge Processes at the European Geophysical Society meeting in the Hague, Netherlands.

May 17, 1996, "Microplate Tectonic Processes" Institute of Earth Sciences (CSIC), Barcelona, Spain.

April 2, 1997, "Microplate Interactions with Hotspot Volcanism" University of California, Santa Cruz, California.

April 3, 1997, "Microplate Interactions with Hotspot Volcanism" Colorado College, Colorado Springs, Colorado.

November 13, 1997, "Volcanic Chains in the Southeast Pacific" Geology Department, Vanderbilt University, Nashville, Tennessee.

March 4, 1998, "Volcano Distribution near Easter Island" Hanga Roa High School, Rapa Nui (Easter Island).

November 19, 1998, "Submersible Study of an Active Undersea Volcano and Hydrothermal Vent Community near Easter Island," Audubon Society, Sun City, Florida.

April 22-24, 1999, Marine Quest at Florida Marine Research Institute, "Preliminary multibeam mapping near Tampa Bay." St. Petersburg, Florida.

May 21, 1999, "Selected Shallow Water Multibeam Surveys on Florida's West Shelf using the Kongsberg Simrad EM 3000 system," USGS, St. Petersburg, Florida.

June 2, 1999, "Preliminary Results Using the EM 3000," FEMME 1999 (Forum for EM Multibeam Experience) Kongsberg-Simrad Multibeam Users Conference, Oslo, Norway.

January 14, 2000, "Multibeam Bathymetry of Selected Shallow Sites Surrounding Florida," Marine Science Department, Lecture Series, USF, St. Petersburg, Florida.

March 10, 2000, "Using Multibeam Bathymetry to Plan Submersible Science," at the Sustainable Seas Expedition planning workshop regarding submersible science on the West Shelf of Florida at the Mote Marine Lab in Sarasota, Florida.

June 11, 2000, "Gulf of Mexico: A Potential Pilot Study Area for the Global Ocean Mapping Project (GOMaP)," at the Naval Research Lab sponsored GOMaP workshop in Bay St. Louis, Mississippi.

June 21-22, 2000, "Plate Tectonic Simulations in Freezing Wax," at the NSF Oceanographic Camp for Girls, St. Petersburg, Florida.

July 17, 2000, "Shallow water multibeam mapping in the Gulf of Mexico," at the USF KRC 3rd Floor computer classroom to the Venezuelan Navy, St. Petersburg, Florida.

October 14, 2000, "High-resolution multibeam bathymetry surveys of the mudhole submarine springs area near Fort Myers, Florida" at the American Academy of Underwater Sciences, Diving for Science, Twentieth Annual Scientific Diving Symposium, October 2000, St. Petersburg Beach, Florida.

June 20-21, 2001, "Plate Tectonic Simulations in Freezing Wax," at the NSF Oceanographic Camp for Girls, St. Petersburg, Florida.

December 17, 2001, "Testing Hotspot Fixity in the Pacific Basin using the R/V Revelle" Hanga Roa Public Television, Rapa Nui (Easter Island).

January 8, 2002, Hyperspectral Coupled Ocean Dynamics Experiment (HyCODE) ONR Workshop, January 7-10, 2002. Presented by Michelle McIntyre -- co-authors: D. Naar, K. Carder, D. Mallinson, and B. Donahue. Santa Barbara, California.

January 14, 2002, "Summary of Drift Expedition, Leg 6 along the Nazca Ridge and Easter/Salas y Gomez Seamount Chain" at the Geological Data Center, Scripps Institution of Oceanography, University of California, San Diego, California.

March 6, 2002, "Summary of Multibeam Mapping around American Samoa" at the Rainmaker Hotel Open to Public, Pago Pago, American Samoa.

April 5, 2002, "Microplates formed at Seafloor Spreading Systems" at the Colloquia of the Department of Geological Sciences, Florida State University, Tallahassee, Florida.

October 24, 2002, “How Plate Tectonic Reconstructions will benefit from higher-resolution Doppler altimetry” at the ABYSS workshop at SIO, UCSD, California.

November 5, 2002, “High-Resolution Seafloor Mapping of American Samoa Coastal Waters” at the National Park Service Headquarters, Pago Pago, American Samoa.

November 8, 2002, “High-Resolution Seafloor Mapping of American Samoa Coastal Waters” co-presented with Brian Donahue at the Lions Service Club, Pago Pago, American Samoa.

January 29, 2003: “Multibeam images of mine burial and scour” Talk and Poster at the Annual ONR Mine Burial and Scour meeting at St. Petersburg, Florida.

April 3, 2003: “Multibeam surveys of volcanoes from Peru to Samoa” FEMME 2003: (Forum for EM Multibeam Experience) Kongsberg-Simrad Multibeam Users Conference, Cadiz Spain.

June 25-26, 2003, “Wax model demonstrations of Plate Tectonics” made by Shay Saleem and David Naar to the Oceanography Camp for Girls and visiting K-12 students.

June 30, 2003, “Multibeam images documenting change during the Mine Burial and Scour Experiment West of Clearwater Beach, Florida” at the ONR Martha’s Vineyard planning meeting at WHOI, Woods Hole, Massachusetts.

April 12, 2004, “Comparing Mine Scour and Burial models to multibeam bathymetry west of Clearwater, Florida” made by Monica Wolfson and David Naar at the annual ONR mine burial and scour meeting, WHOI, Woods Hole, Massachusetts.

April 26, 2004, “How to measure depths in the sea” to students of Papua New Guinea, R/V Melville, Coral Sea, Southwest Pacific.

June, 2004, “Wax model demonstrations of Plate Tectonics” made by Shay Saleem for David Naar to the Oceanography Camp for Girls, St. Petersburg, Florida.

September 14, 2004, “Plate Tectonics and Volcanoes around the World” a presentation made to the SunFlower School, Gulfport, Florida.

October 19, 2005, “Plate Tectonics and the Geological Time Scale,” a presentation made to the Stetson Law School, Gulfport, Florida.

November 16, 2005, “Submersible investigations of hydrothermal activity in the deep South Pacific,” a presentation made to the Geology Department of USF, Tampa, Florida.

March 21, 2007, “Fish and active hydrothermal vents near marine protected areas west of Florida using EM 3000” an invited paper presented by David Naar (with technician and students as coauthors: Brian Donahue, Shay Saleem, and Sarine Manoukian, at the

Forum for open Exchange for Multibeam Mapping Endeavors (FEMME) Conference in Amsterdam, Netherlands.

August 11, 2008, “Plate Tectonics and Seafloor Mapping” a short invited seminar to a small group of the Ministry Department in the Republic of the Maldives, Male.

March 13, 2012, “Passive and Active Acoustics with C-Bass” a review of FIO and CMS activities at the first Southeast Acoustic Consortium (SEAC) workshop at the Marine Science Program at the North Miami Campus of Florida International University (FIU).

June 27-28, 2012, “Wax model demonstrations of Plate Tectonics” to the Oceanography Camp for Girls, USF-CMS, St. Petersburg, Florida.

May 20-22, 2013 “A full summary of the past decade of seafloor mapping surrounding Florida” at the Workshop on the Interrelationships Between Coral Reefs and Fisheries, hosted by the Gulf of Mexico Fishery Management Council, Tampa, Florida.

March 2, 2016 “Opportunities in the College of Marine Science Graduate Program” at Eckerd College, St. Petersburg, Florida.

February 15, 2017 “Opportunities in the College of Marine Science Graduate Program” at Eckerd College, St. Petersburg, Florida.

February 22, 2017 “Investigations of hydrothermal venting and new seafloor spreading near Easter Island” at Eckerd College, St. Petersburg, Florida.

May 9-10, 2018 “Propagating Rifts” presented on behalf of R. N. Hey and his SIO Plate Tectonics Lab (Kleinrock, Naar, and Caress) at the *50th Year Anniversary of Plate Tectonics Symposium* at Scripps Institution of Oceanography, UCSD, California.

October 22, 2018 “Graduate Research Opportunities at the College of Marine Science, USF,” Spelman College, Atlanta, Georgia.

October 24, 2018 “Graduate Research Opportunities at the College of Marine Science, USF,” Hampton University, Hampton, Virginia.

November 15, 2019 “Feeling Low? It’s not You, it’s Sea Level Rise,” Westminster Shores, St. Petersburg, Florida.