

Conferences, Presentations, Invited talks and Video Submissions

- German, C. R., Bowen, A., Jakuba, M., Boetius, A., Schlindwein, V. S., Bünz, S., & Ramirez Llodra, E. - Conference: Exploring Ice-Covered Oceans, Top to Bottom: Experiences in the Arctic with NUI (5k). AGU, 2019
- Ferrini, V., J. Morton, L. Gee, E. Heffron, H. Drennon, N. Raineault, S. Carbotte - Conference: Initial Efforts Toward Coordinated Community Data Processing to Accelerate the Growth of Publicly Available Bathymetric Data Products AGU 2020
- Yoerger, D., Curran, M., Fujii, J., Gomez-Ibanez, D., Govindarajan, A., Howland, J., ... & Wilkinson, C. J. - Conference: At-sea testing of the Mesobot midwater robot. Ocean Sciences, 2020
- Mayer/Mayer - Invited Lecture: Can we Map the Entire Global Ocean Seafloor by 2030? The Acoustical Society of America: Walter Munk Lecture/2020
- Mayer/Mayer - Invited Talk: Characterizing the Ocean Global Oceans 2020
- [Raineault, Nicole & A. Fundis - Meeting: Going Deep to Rise Above: Overcoming Obstacles to Ocean Exploration & Outreach in a Pandemic with Telepresence AGU 2020](#)
- Wilkinson, C. J., Yoerger, D., Adams, A., & Wiebe, P. H. - Conference: Methods for investigating the effect of ambient light levels on diel vertical migration of midwater animals with the Mesobot AUV Ocean Sciences Meeting 2020 AGU
- Mayer/Mayer - Keynote Presentation: Ocean Mapping: Establishing the Geospatial Context for the REST of the Planet Geography 2050/2020
- Koskela, Matt - n/a: Telepresence Facilitates Dive Leadership from Shore RVTech/2020
- Mayer/Mayer - Invited Talk: The Nippon Foundation/GEBCO Seabed 2030 Project Atlantic Seafloor Mapping International Working Group/2020
- Mayer/Mayer - Invited Lecture: The Quest to Make the Ocean Transparent Walter Munk Annual Lecture/2020
- [Soule, Bontempi, Ballard - Meeting: Town Hall: Ocean Intelligence in the Blue Economy AGU 2020](#)
- Bowen, A., Jakuba, M., & German, C. R. - Conference: Under Ice with the NUI hybrid ROV. Ocean Sciences, 2020
- Mayer/Mayer - Invited Panel Presentation: White House Summit on Partnerships in Ocean Science and Technology COL Public Policy Forum/2020

- Yoerger D - Presentation: Exploring the seafloor and the midwater ocean with robots is a human adventure Oceans Conference and Exposition
- Heffron E - Presentation: A presentation summarizing the accomplishments of 2021-2022 E/V Nautilus mapping expeditions in the Pacific, including those of NA133, was given at the by Seabed 2030 South & West Regional Mapping Community Meeting 06 July 2021
- [ISC/NOAA OE - Video Submission: With a focus on COVID, equity, and social justice, the 2021 program featured federally-funded projects aimed at improving STEM education, highlighting strategies to engage students during COVID, and addressing educational inequities. With over 2,400 views during the 2021 event, which attracted more than 280 submissions, the three-minute, ISC/NOAA Ocean Exploration collaborative video, Deep Dives: Transforming Ocean Education During COVID-19, was awarded a Facilitator's Choice designation, recognizing "extraordinary creativity in the use of video to share innovative work". NSF-funded 2021 STEM for All Video Showcase](#)
- Shank, T.M. - Invited talk: "Autonomous Exploration of the Deepest Regions on Earth" Oceans 2021 oral presentation (Hadal UUV session)
- Shank, T.M. - Invited talk: "Deep-Ocean Exploration and Research: Connections and Partnerships for Space Exploration" Nereid Network for Earth-space Research, Education, and Innovation with Data: Convergence on Tap presentation (23rd),
- Shank, T.M. - Oral presentation: "To Boldly Go: Advancing Exploration and Research in Extreme Ocean Depths" Deep-Ocean Technology Exhibit at WBUR City Space
- Shank, T.M. - Oral Presentation: Advancing Autonomous Underwater Vehicle Robotics for Full-Ocean Depth Exploration and Research 2021 Ocean Sciences Meeting
- Shank, T.M. - Video presentation: Advancing Autonomous Underwater Vehicle Robotics for Full-ocean Depth Exploration and Research 2021 Ocean Sciences Meeting
- Soule, A. - Conference: Alvin exploration of PR Trench AGU 2021
- [Elmore, Wang, Adams, Quadara, Machado, Rodriguez, Suhre, Fundis, Soule - Session - OS15E-1033: Assembling Suggestions for Supporting Marginalized Group Members at Sea AGU 2021](#)
- Mayer/Mayer - Invited Lecture: Autonomous Systems and Ocean Mapping GEBCO Annual Symposium/2021
- Shank, T.M. and Machado C. - Invited talk: AUV Orpheus: Exploration Capabilities for Extreme Ocean Depths and Extraterrestrial Ocean Worlds, 2021 AVAST meeting
- Klesh, A. - Oral Presentation: Distributed Underwater Architectures Deep Ocean to Deep Space 2021 Ocean Sciences Meeting

- Mayer, L.A., Schmidt V. - Webinar: Expedition Technology Challenge OEI Webinar. October 20, 2021
- [Yoerger, D. - Plenary Address: Exploring the Seafloor and Midwater Ocean with Robots is a Human Adventure Oceans 2021 Plenary Address](#)
- Mayer, L.A. - Invited Talk: Invited Talk, Seafloor Mapping: Where we are and where we are going, Global Maritime Forum 2021, National Maritime Intelligence Integration Office, Applied Research Lab, Univ of Hawaii, 21 September 2021 Global Maritime Forum 2021
- Mayer, L.A., Schmidt V. - Invited Talk: Invited Talk, The Ocean Exploration Cooperative Institute: Mapping and Exploring the Ocean with the Next Generation of Uncrewed Surface Vessels OEI Webinar, 20 October 2021
- Mayer, L.A. - Keynote Talk: Keynote Talk -7 October 2021 Seabed 2030, ABLOS Annual Meeting, Monaco October 2021
- Levin, L., K. Mizell, O. Pereira, G. Mendoza, D. Vlach, K. Pearson - Symposium: Macrobenthos of phosphorite and Fe-Mn crust hardgrounds in the Southern California Borderland Deep Sea Biology Symposium / 2021
- Vlach, D., L. Levin, K. Mizell - Symposium: Megafauna Assemblage on Mineral-Rich Hardgrounds in the Southern California Borderland Deep Sea Biology Symposium / 2021
- [Soule, Elmore, Fundis, Mayer - Session - OS12A: Ocean Exploration I \(Oral session\) AGU 2021](#)
- [Soule, Elmore, Fundis, Mayer - Session - OS15E: Ocean Exploration II \(Poster session\) AGU 2021](#)
- Mayer, L.A. - Invited Talk: Saildrone Surveyor Updates OEI Colloquium, 08 December 2021
- Raineault N. - Plenary presentation: The presentation focused on the importance of partnerships and advanced technologies to catalyze exploration. Towards the end of the plenary presentation, the NA131 team connected with the conference from onboard the E/V Nautilus via telepresence. Lake bed 2030 conference, September 29, 2021
- Yoerger D. - Presentation: The presentation, which focused on midwater exploration with autonomous vehicles, was delivered from onboard the E/V Nautilus during NA131. 2021 Oceans conference in Lisbon, Portugal.
- Mayer/Mayer - Invited Lecture: The Quest to Complete Map the World's Seafloor by 2030 USF COMIT Inaugural Seminar/2021
- [Suman, Jakuba, Dalpe, Bowen - Session - OS12A-08: Towards Teleoperation Of Oceanographic Research Vehicles AGU 2021](#)

- Dalpe AJ, Suman S, Jakuba MV, Bowen A - Presentation: Teleoperation of remotely operated vehicles: development, challenges, and future directions OCEANS 2022, Hampton Roads
- Fundis AT, Crossett K, Wiener C, Cook M, Wishnak S, Nolan H - Presentation: The Deep Ocean Education Project: a collaborative effort to increase access to ocean exploration phenomena and resources 2022 Ocean Sciences Meeting
- Baumberger T, Buck N, Roe K, Seabrook S, Embley R, Beeson J, Antriasian A, Wilkinson C, Brown S, Crawford R, Bellucci-Ardor L, Raineault N - Presentation: Highlights from exploring and characterizing the Cascadia Margin methane seeps over the past 5 years 2022 Ocean Sciences Meeting
- Beeson J, Baumberger T, Merle S, Buck N, Roe K, Antriasian A, Kane R, Krasnosky K, Raineault N - Presentation: Initial Results from E/V Nautilus Expedition NA128 “Cascadia Margin Seep Exploration”: Cascadia Margin Mapping, High-Resolution ROV Multibeam, and Gas/Fluid Sampling 2022 Ocean Sciences Meeting
- Mayer, L.A. - Invited Lecture: “Can We Map the Entire World Ocean by 2030? Ocean Sciences Meeting, Munk Medal Award Lecture, 2 March 2022
- Orcutt B. - Presentation: A presentation summarizing data on microbial diversity from samples collected on NA138 expedition 2022 Ocean Science Meeting.
- [Wagner, D. - Special Session titled “Partnerships and Priorities: Mapping Collaborations in the Pacific Region.”: E/V Nautilus mapping in the Pacific: Recent accomplishments & what is next NOAA Hydrographic Services Review Panel Meeting](#)
- Ocean Exploration Trust - Plenary Panel Discussion: A white paper summarizing the collaborations between OET and the Native Hawaiian community as part of this and other expeditions to PMNM was developed for the National Ocean Exploration Forum and is available here. Contents of this white paper were discussed. 2022 National Ocean Exploration Forum in Austin, Texas on March 29, 2022.
- [Soule,A. Elmore,A. Chaytor, Bowen,A. - DS07: Advancing Ocean Exploration Technology OSM 2022](#)
- [D Millar, V Ferrini, A Fundis, C Peters, H Pihana - White Paper panel discussion: Alliances and a Community of Practice – White Paper Discussion NOEF 2022](#)
- [Wagner, D. - Webinar: An Expedition Summary OEI colloquium, June 8 2022](#)
- [Cantwell, Robers, Adams, Kenchington - Session - DS09: Catalyzing Atlantic discovery: New insights into deepwater biological and geological exploration of the Atlantic basin OSM 2022](#)

- Benner, B.E., Andrade, Ca., Serres, M.H., Vallino, J.J., and J.A. Huber. - Conference Abstract: Characterization of viral diversity and their influence on microbial metabolic processes in a meromictic system. Marine Microbes Gordon Research Conference. Les Diablerets, Switzerland 2022
- Mayer, L.A. - Webinar: Deep DriX OEI Colloquium, 19 January 2022
- Schmidt, V. - Invited talk: DriX Integration aboard E/V NAUTILUS, June 2022
- Schmidt, V. - Invited talk: DriX Update: Results of the Shakedown Cruise Ocean Exploration Colloquium, April, 2022
- [Lobecker, E. Scheurle, Albano, Fundis A. - Session - ED06: Enabling Remote Ocean Science and Educational Opportunities, Lessons Learned During a Global Pandemic and Benefits for the Future OSM 2022](#)
- [Mayer, L.A. - Radio Broadcast: EV nautilus test 3 remotely operated vehicles Hawaii Public Radio 26 May 2022](#)
- Mayer, L.A. - Invited Talk: Invited Talk, From the President's Panel on Ocean Exploration to NOMECC - Can We Really Map and Characterize the US EEZ? Ocean Sciences Meeting, 28 February 2022
- [Yoerger, D. and Adams, A. - Seminar: Isolume-following with Mesobot: field trials in shallow and deep water AOPE Department Seminar](#)
- [Orcutt, B. - Public lecture: Living Between a Rock and Hard Place: Microbial Life in the Deep sea and Potential Impacts of Deep-sea Mining NOAA National Marine Sanctuaries "Third Thursday by the Bay" series. May 17, 2022](#)
- [Orcutt, B. - Session - DS06: Microbial Ecosystem Services and Associations with Ferromanganese Crusts on Seamounts of the Papahānauoakea Marine National Monument: Initial Results OSM 2022](#)
- [Yoerger, D. - Webinar: Midwater Exploration with Mesobot OEI colloquium](#)
- Quadara, Rae, Trish Albano, Osa Idehen, Jessie Kastler, Ramble Ankumah, Richard Whittington. - Presentation: Multi-Level mentoring and collaboration supports interns from HBCUs in ocean exploration. UNM Mentoring Conference (Albuquerque, NM) October 24 – 28, 2022
- Quadara, Rae, Trish Albano, Osa Idehen, Jessie Kastler, Ramble Ankumah, Richard Whittington. - Presentation: Multi-mentoring and collaboration fosters authentic relationships to support undergraduate interns from HBCUs in ocean exploration. GOMCON 2022 (Baton Rouge, LA) April 25-28 2022
- Quadara, Rae, Trish Albano, Osa Idehen, Jessie Kastler, Ramble Ankumah, Richard Whittington. - Presentation: Multi-mentoring and collaboration fosters authentic relationships to support undergraduate interns from HBCUs in ocean exploration. NMEA 2022 (Long Island, NY) July 9-14

2022

- [E Heffron - Meeting: Nautilus Pacific Mapping Operations 2021 - 2022: What is Mapped, How Much are we Contributing, and Why is this Such a Hard Question?? Seabed 2030 South & West Regional Mapping Community Meeting](#)
- Quadara, Rae - Presentation: NOAA OEI Ocean Explorers Internship and Call for Collaboration USM Coastal Operations Symposium (Long Beach, MS) August 16 2022
- Mayer, L.A. - Invited Talk: Ocean Exploration from Deep Water Horizon to the Arctic Riverwoods, Durham, N.H. 20 April 2022
- [Yoerger, D. and Adams, A. - Seminar: Ocean Labs Radiometer AOPE Department Seminar](#)
- [Mayer, L.A. - Keynote Talk: Onboard the Nautilus Ocean Exploration Trust Wondros Podcast Ep. 163](#)
- Elmore, Mayer, Jenkins, Connon, Medley, Birch, Scholin, Soule - Symposium: Plans for Exploring the Aleutian Island Chain Using Autonomous Surface Vehicle (ASV) Saildrone SURVEYOR in 2022 Alaska Marine Science Symposium 2022
- Elmore, Wang, Adams, Quadara, Machado, Rodriguez, Suhre, Fundis, Soule - Session - DS07: Suggestions for Supporting Marginalized Group Members at Sea OSM 2022
- [Wagner, D. - Oral presentation: summarizing the main findings of the expedition Advisory Council of the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve](#)
- Coleman, Gruebel, Knowlton, Pinner, Simon, Sutcliffe - Conference: Testing New Technologies and Workflows for Telepresence-Enabled Ocean Exploration OSM 2022
- [ISC/NOAA OE - Video Submission: To summarize cloud-based media production efforts in support of NOAA Ocean Exploration as well as the Ocean Exploration Trust \(during OEI- funded expeditions\), the ISC Team collaborated with both NOAA Ocean Exploration Education and Communications as well as OET on a video submission. 2022 National Marine Educators Association \(NMEA\) annual conference](#)
- Mayer, L.A. - Keynote Talk: We've Come a Long Way – Where are we Going? Opening Keynote – Canadian Hydrographic Conference, Ottawa CA, 7 June 2022
- Beth Orcutt in collaboration with artist Michel Droge - Public lecture: Cove Street Arts in Portland, Maine. On May 26, 2022
- [Wagner D - Symposium: E/V Nautilus seafloor mapping: recent accomplishments and what is next Map the Gaps Symposium](#)
- Moran K - Symposium: "WOAH, what is that!?" - Increasing Student Access to Deep Sea Exploration through Language & Creativity National Marine Educators Association

- Morin H, DeCiccio A, Campos R, Kaelblein J, Cook M, Gingras A - Symposium: Homegrown ocean science engagement: innovating with cloud-based media production to create informative virtual programming during remote work and COVID-19 2022 Ocean Sciences Meeting
- NOAA Ocean Exploration, Inner Space Center, Ocean Exploration Trust - Video submission: A deep dive into new online programming National Marine Educators Association Annual Conference
- Auscavitch S, Meredith E, Cordes E, Rotjan R - Conference: A genetic reference library for the central Pacific Ocean deep-water Octocorallia and application in eDNA characterization of the benthos International Symposium on Deep-Sea Corals
- Everett M, Auscavitch S, Randi Rotjan - Conference: Exploring the deep-sea coral communities of the central Pacific with eDNA International Symposium on Deep-Sea Corals
- Powell A, Clarke ME, Anderson J, Duncan E, Whitmire C, Caldow C, Fruh E, Johnson M - Conference: Phantom Farrea: Exploring relic sponge reefs in the Channel Islands National Marine Sanctuary, California 2022 Ocean Sciences Meeting
- Poti M, Costa B, Kelley C, Baco A, Hourigan T, Parrish F, Kobayashi D, Martinez J, Kosaki R, Parke M - Conference: Microbial ecosystem services and associates with ferromanganese crusts on seamounts of the Papahānaumokuākea Marine National Monument: Initial Results 2022 Ocean Sciences Meeting
- Orcutt B, Mizell K, Gartman A, Kelley C, Kosaki R, Raineault N - Conference: Utilizing predictive models to identify and prioritize deep-sea coral and sponge habitats in the Papahānaumokuākea Marine National Monument, Hawaii 2022 Ocean Sciences Meeting
- Maloney S, Sautter L - Conference: Geomorphic analysis and characterization of features in the Clarion and Murray Fracture Zones, Central Pacific 2022 Ocean Sciences Meeting
- Hourigan TE, McGuinn R, Coleman H, Weismann D, Poti M - Conference: Putting deep-sea corals on the map: from exploration to conservation in the 21st century 2022 Ocean Sciences Meeting
- Thurber A, Bellucci LA, Cummings S, Seabrook S, McPhail K, Neuhaus G, Raineault N, Baumberger T, Demopoulos A - Conference: Framing deep-sea research around ecosystem ecology and services to co-advance science and holistic management: a case study from Cascadia Margin's Cold Seeps Deep Sea Biology Symposium
- Sotomayor A, Balbas A, Konrad K, Koppers A, Konter J, Wanless D, Hourigan T, Kelley C, Raineault N - Conference: Volcanic geomorphology and origin of the Naifeh and unknown seamount cluster, North West Hawaiian Ridge Geological Society of America

- Rodriguez CF, Kelley K, Ballard R - Conference: Metal Enrichments as a Function of Water Column Properties in Pacific Ferromanganese Crusts American Geophysical Union Fall Meeting 2021
- Montour G, Wanless D, Balbas A, Konter J, Schwartz D, Raineault N, Kelley C - Conference: Investigating geochemical diversity of seamounts adjacent to the Main Hawaiian-Emperor Seamount Chain: insights into the petrogenesis of the Naifeh and un-named seamounts American Geophysical Union Fall Meeting 2021
- Hourigan TE, Kelley C, Raineault N, Marsh L, Bellucci LA, Wipfler R - Conference: Exploring deep-sea coral and sponge communities on enigmatic seamounts north of the Central Hawaiian Ridge Ocean Science Meeting
- Wagner D - Invited talk: Community-based exploration: discovering with everyone Kahala Hotel Sunset Seminar Series
- Wagner D - Invited talk: Community-Based Exploration: 2023 E/V Nautilus Field Season University of Hawaii Department of Oceanography Seminar Series
- Wagner D - Invited talk: Ocean Exploration in the Pacific aboard E/V Nautilus 8th Renegotiation Session of the Pacific Islands Forum Fisheries Agency
- Wagner D - Invited talk: Community-based exploration: discovering with everyone National Marine Sanctuaries Webinar Series
- Wagner D - Invited talk: Community-based exploration: E/V Nautilus 2023 season overview OneNOAA Webinar Series
- Wagner D - Invited talk: E/V Nautilus 2023 Season Overview Crustal Ocean Biosphere Research Accelerator (COBRA) Webinar Series
- Wagner D - Invited talk: Deep-sea explorations of marine conservation areas in the Pacific Stanford University Planet Ocean Class
- Wagner D - Invited talk: World of wonder: deep-sea explorations of marine conservation areas in the Pacific Palau International Coral Reef Center
- Wagner D - Invited talk: Science in Support of Management of the Papahānaumokuākea Marine National Monument Palau National Marine Sanctuary Science & Monitoring Strategy Development Workshop
- Pockalny R, Fundis A - Webinar: Mapping & Exploration of Deep Seamounts around Johnston Atoll OEI Colloquium
- Yoerger DR, Govindarajan A, Adams A - Webinar: NA139 tech challenge Mesobot operations OEI Colloquium
- Hayden E - Webinar: NUI: Nautilus NA139 May 2922 OEI Colloquium

- Mayer L - Webinar: OEI technology challenge: USV DriX OEI Colloquium
- Coleman D, Mayer L - Webinar: Lu'uaeahikiikawawaa palaoa: dual-technology seafloor mapping (NA142) OEI Colloquium
- Fundis A, Pihana H, Wagner D - Webinar: What have we learned? The Last Year of Deep-Sea Explorations of Papahānaumokuākea National Marine Sanctuaries Webinar Series
- Wagner D - Webinar: E/V Nautilus 2022 season summary OEI Colloquium
- Coleman D, Knowlton C, Sutcliffe D, Simon R, Pinner W - Webinar: Inner Space Center: telepresence/data management support for the E/V Nautilus 2022 season OEI Colloquium
- M. Woolsey, C. A. Kitts and M. A. Neumann - Proceedings : Gradient-based Adaptive Navigation of Multiple Diving Autonomous Surface Vehicles, OCEANS 2022, Hampton Roads, Hampton Roads, VA, USA, 2022,
- M. Woolsey, M. E. Clarke, A. Woolsey and R. Jarnagin - Proceedings : Seafloor Imaging Lessons Learned from Over a Decade of Surveys with SeaBED AUVs OCEANS 2022, Hampton Roads, Hampton Roads, VA, USA, 2022,
- Soule A, Macelloni L, Rodriguez C, Sobron P, Simon K, Chernov J, Zand J, Leung M - Webinar: Raman spectrometer project OEI Colloquium
- Wagner D - Webinar: E/V Nautilus 2023 Season Overview: Scientist Ashore Introductory Webinar OET Scientist Ashore Webinar
- Wagner D - Webinar: E/V Nautilus 2023 Season Overview OEI Colloquium
- Sobron P - Webinar: A new way to explore the oceans OEI Colloquium
- Calder B, Miles B - Invited Talk: Cloud-based Bathymetric Data Processing NOAA Field Procedures Workshop
- Govindarajan A - Invited Talk: Illuminating Ocean Twilight Zone Biodiversity with Environmental DNA Analyses WHOI AOPE departmental seminar
- Govindarajan A - Webinar: Detecting Diel Vertical Migration with Environmental DNA Analyses OEI Colloquium
- Govindarajan A - Webinar: Biodiversity Exploration with eDNA OEI Colloquium
- Govindarajan A - Presentation: Illuminating Animal Diversity in the Ocean Twilight Zone with Integrative Environmental DNA Analyses WHOI-NEU workshop, Northeastern University
- Govindarajan A - Lecture: Illuminating Animal Diversity in the Ocean Twilight Zone with Environmental DNA Analyses WHOI Summer Student Lecture Series

- Govindarajan A - Presentation: Environmental DNA sampling strategies for observing ocean twilight zone animal diversity Ocean Carbon and Biogeochemistry Workshop
- Govindarajan AF, Adams A, Hayden E, Herrera S, Kawasumi L, Lavery A, Mayer L, McCartin L, Roman C, Schmidt V, Stover S, Weiss B, Yoerger D. - Presentation (abstract will be published in conference proceedings): Diversifying eDNA sampling platforms and strategies in the ocean's midwater realm Pathway to Increase Standards and Competency of eDNA Surveys (PISCES) International Conference (Guelph, Canada)
- Huber J - Webinar: Viruses in the Dark OECI Colloquium
- Benner, B.E., Andrade, Ca., Serres, M.H., Vallino, J.J., and J.A. Huber. - Presentation: Characterization of Viral Diversity and Their Influence on Microbial Metabolic Processes in a Meromictic System Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting – Palma de Mallorca, Spain
- Huber, J. - Invited Talk: From Ridges to Rocks: Microbial Populations in the Deep Sea American Society of Microbiology Annual Meeting Microbe 2023
- Benner, B.E., Andrade, Ca., Serres, M.H., Vallino, J.J., and J.A. Huber. - Invited Talk: Characterizing Earth's Virome: From Human Pathogens to the Deep Sea The University of Tampa College of Natural and Health Sciences Undergraduate Research Symposium – Tampa, FL
- Luo E. - Invited Talk: Viral diversity in the ocean Ohio State University Viromics Webinar
- A.R.d. Assis, M. Woolsey, L. Macelloni, M. D'Emidio, J. Jarnagin - Presentation: Improvements from a new USBL tracking system in an AUV multibeam survey · USHydro 2023, Mobile, AL, 2023.
- A.R.d. Assis, M. Woolsey, L. Macelloni, M. D'Emidio, J. Jarnagin - Presentation: Integrating a Sonardyne Ranger 2 USBL system in the Autonomous Underwater Vehicle Eagle Ray: Operation and post processing OCEANS 2023 MTS/IEEE Gulf Coast
- M. Woolsey, M. A. Neumann, and C. A. Kitts, - Presentation: Spiral Search Pattern for Scalable Assemblages of Uncrewed Surface Vehicles OCEANS 2023 MTS/IEEE Gulf Coast
- Neil Redmond - Presentation: Natural Carbon Cycling in the Gulf of Mexico OECI Renewal 2023
- Mayer, L.A. - Invited Talk: Invited Talk, Multivehicle Collaboration using DriX, 16 December 2022 IFREMER,

Brest France (virtual)
- Mayer, L.A. - Presentation: Deep-water DriX Ocean Exploration Cooperative Institute Colloquium – 20 July 2022

- Mayer, L.A. - Invited Talk: Autonomous Surface Vessel Activities at the Center for Coastal and Ocean Mapping Office of Naval Research, Arlington VA, 8 September 2022
- Mayer, L.A. - Presentation: UNH-CCOM Uncrewed Vehicle Activities Presentation to President of IFREMER, 16 Dec 2022
- Mayer, L.A. - Invited Talk: Uncrewed Surface Vessels in Support of Ocean Exploration, Exploring New Marine Frontiers Maritime Users Conference, National Museum of Scotland, Edinburgh, Scotland, 25 January 2023
- Mayer, L.A. - Invited Talk: Ocean Exploration Cooperative Institute (OECI) Multi-vehicle Operations: A UNH Perspective, NOAA Science Seminars Series, Silver Spring MD, 26 January 2023.
- [Banerjee P., and Soule, A. - Invited Talk: ROVIA: automated underwater video highlight generation using deep neural networks IEEE Oceans Conference, Biloxi, Mississippi, 25-28 September 2023](#)
- Govindarajan A. Allan, & Yoerger D. - Colloquium: Environmental DNA Analyses for Biodiversity Exploration, NA139 update. NOAA OE Colloquium
- Yoerger D. - Forum: Marine Robotics: Improving our understanding of our oceans and advancing robotics research Neobay Robotics Forum, Oct 22, 2022
- Yoerger D.R. - Seminar: Recent Results and Future Challenges for Autonomous Underwater Vehicles in Ocean Exploration Johns Hopkins University Laboratory for Computational Sensing and Robotics Seminar, Feb 2023
- A.R.d. Assis; M. Woolsey; L. Macelloni; M. D'Emidio; J. Jarnagin - Presentation: Improvements from a new USBL tracking system in an AUV multibeam survey USHydro 2023 Mobile AL, 2023.
- A.R.d. Assis; M. Woolsey; L. Macelloni; M. D'Emidio; J. Jarnagin - Presentation: Integrating a Sonardyne Ranger 2 USBL system in the Autonomous Underwater Vehicle Eagle Ray: Operation and post processing OCEANS 2023 MTS/IEEE Gulf Coast (submitted)
- [M. Woolsey, C. A. Kitts and M. A. Neumann - Presentation: Gradient-based Adaptive Navigation of Multiple Diving Autonomous Surface Vehicles, OCEANS 2022, Hampton Roads, Hampton Roads, VA, USA, 2022, pp. 1-8,](#)
- M. Woolsey, M. A. Neumann, and C. A. Kitts - Presentation: Spiral Search Pattern for Scalable Assemblages of Uncrewed Surface Vehicles OCEANS 2023 MTS/IEEE Gulf Coast (submitted)
- M. Woolsey, M. E. Clarke, A. Woolsey and R. Jarnagin - Conference: Seafloor Imaging Lessons Learned from Over a Decade of Surveys with SeaBED AUVs OCEANS 2022, Hampton Roads, Hampton Roads, VA, USA, 2022, pp. 1-10, doi: 10.1109/OCEANS47191.2022.9977225

- Quadara, R., Albano, P., Idehen, O., Kastler, J., Ankumah, R., Whittington, R - Mentoring & Coaching: Multi-level mentoring and collaboration supports interns from HBCUs in ocean exploration. The Chronicle of Mentoring & Coaching, Vol.6, December 2022, Special Issue 15, pp. 108-115
- Rae Quadara - Oral Presentation: Multi-level mentoring and collaboration fosters authentic relationships to support undergraduate interns from HBCUs in ocean exploration 2022 National Marine Educators Association (NMEA) Conference – Charting the Course with Perseverance.
- Rae Quadara - Oral and Poster Presentation: Multi-level mentoring and collaboration supports interns from HBCUs in ocean exploration 15th Annual Mentoring Conference - Fostering Diverse Communities of Mentorship: Evidence-Based Practices for Reciprocal Growth. October 2022
- Rae Quadara and Dr. Osagie Idehen - Oral Presentation: Recruit and Support Sustainably: Early Successes through the Ocean Exploration Club at Tuskegee University 2023 Bays and Bayous Symposium. January 2023
- Rae Quadara, Janice Williams, and Symone Barkley - Workshop: Equity and Belonging in Marine Sciences and Education NSTA Conference Atlanta 2023. March 2023
- [Auscavitch S, Meredith E, Cordes E, Rotjan R - Symposium: A genetic reference library for the central Pacific Ocean deep-water Octocorallia and application in eDNA characterization of the benthos International Symposium on Deep-Sea Corals. May 29-June 2, 2023](#)
- [Everett M, Auscavitch S, Randi Rotjan - Symposium: Exploring the deep-sea coral communities of the central Pacific with eDNA International Symposium on Deep-Sea Corals. May 29-June 2, 2023. Edinburgh, Scotland](#)
- Wagner D - Virtual Presentation: Deep-sea explorations of marine conservation areas in the Pacific Stanford University Planet Ocean Class. Jan. 24, 2023. Virtual presentation
- Wagner D - Symposium: World of wonder: deep-sea explorations of marine conservation areas in the Pacific Palau International Coral Reef Center. Dec. 8, 2022. Koror, Palau
- Coleman D, Knowlton C, Sutcliffe D, Simon R, Pinner W - Colloquium: Inner Space Center: telepresence/data management support for the E/V Nautilus 2022 season OEI Colloquium. Nov. 30, 2023
- Wagner D - Symposium: E/V Nautilus seafloor mapping: recent accomplishments and what is next Map the Gaps Symposium. Oct. 26-28, 2022. Southampton, UK
- Wagner D - Colloquium: E/V Nautilus 2022 season summary OEI Colloquium. Oct. 26, 2022
- [Wagner D - Panel Meeting: E/V Nautilus mapping in the Pacific: Recent accomplishments & what is next NOAA Hydrographic Services Review Panel Meeting. Sep. 20-22, 2022. Honolulu, HI, USA](#)

- Pockalny R, Fundis A - Colloquium: Mapping & Exploration of Deep Seamounts around Johnston Atoll OECI Colloquium. Jul. 20, 2022
- Wagner D - Workshop: Science in Support of Management of the Papahānaumokuākea Marine National Monument Palau National Marine Sanctuary Science & Monitoring Strategy Development Workshop. Dec. 6-10, 2022. Koror, Palau
- Fundis A, Pihana H, Wagner D - Webinar: What have we learned? The Last Year of Deep-Sea Explorations of Papahānaumokuākea National Marine Sanctuaries Webinar Series. Oct. 20, 2022
- Coleman D, Mayer L - Colloquium: Lu'uaeahikiikawawaa palaoa: dual-technology seafloor mapping (NA142) OECI Colloquium. Aug. 31, 2022
- Sobron P - Colloquium: A new way to explore the oceans OECI Colloquium. Jun. 14, 2023.
- Wagner D - Seminar: Community-Based Exploration: 2023 E/V Nautilus Field Season University of Hawaii Department of Oceanography Seminar Series Apr. 27, 2023. Honolulu, HI
- Wagner D - Seminar: Community-based exploration: discovering with everyone Kahala Hotel Sunset Seminar Series. May 24, 2023. Honolulu, HI
- Wagner D - Forum: Ocean Exploration in the Pacific aboard E/V Nautilus 8th Renegotiation Session of the Pacific Islands Forum Fisheries Agency. Apr. 26, 2023. Honolulu, HI
- [Wagner D - Webinar: Community-based exploration: discovering with everyone National Marine Sanctuaries Webinar Series. Apr. 20, 2023.](#)
- [Wagner D - YouTube: Community-based exploration: E/V Nautilus 2023 season overview OneNOAA Webinar Series. Apr. 18, 2023](#)
- Wagner D - Colloquium: E/V Nautilus 2023 season overview OECI Colloquium. Feb. 22, 2023.
- Wagner D - Webinar: E/V Nautilus 2023 season overview: scientist ashore introductory webinar OET Scientist Ashore Webinar. Feb. 15, 2023
- [Wagner D - Webinar: E/V Nautilus 2023 Season Overview Crustal Ocean Biosphere Research Accelerator \(COBRA\) Webinar Series. Feb. 7, 2023](#)
- Soule A, Mascelloni L, Rodriguez C, Sobron P, Simon K, Chernov J, Zand J, Leung M - Colloquium: Raman spectrometer project OECI Colloquium. Jan. 25, 2023
- Joshua Hill, Henry Jones - Invited Presentation: Shipwrecked: Expedition Data Challenges and the AQUAVIEW Solution Oceans 2023
- Neil Redmond - Talk: Natural Carbon Cycling in the Gulf of Mexico OECI renewal meeting in spring 2023

- Mayer, L.A - Invited Presentation: Deep-water DriX Ocean Exploration Cooperative Institute Colloquium – 20 July 2022
- Mayer, L.A - Invited Talk: Autonomous Surface Vessel Activities at the Center for Coastal and Ocean Mapping Office of Naval Research, Arlington VA, 8 September 2022
- Mayer, L.A - Invited Presentation: UNH-CCOM Uncrewed Vehicle Activities Presentation to President of IFREMER, 16 Dec 2022
- Mayer, L.A - Invited Talk: Multivehicle Collaboration using DriX, IFREMER,
- - Virtual: Brest France, 16 December 2022
- Quadara, R., Albano, P., Idehen, O., Kastler, J., Ankumah, R., Whittington, R - Mentorship: The Chronicle of Mentoring & Coaching, Vol.6, December 2022, Special Issue 15, pp. 108-115
Multi-level mentoring and collaboration supports interns from HBCUs in ocean exploration
- Rae Quadara, Janice Williams, and Symone Barkley - 60-Minute Workshop: Equity and Belonging in Marine Sciences and Education NSTA Conference Atlanta 2023. March 2023
- Govindarajan, Allan, & Yoerger - Colloquium: Environmental DNA Analyses for Biodiversity Exploration, NA139 update NOAA OE Colloquium, 7/20/22
- Yoerger, D. - Forum: Marine Robotics: Improving our understanding of our oceans and advancing robotics research Neobay Robotics Forum, Oct 22, 2022
- Yoerger, D.R - Seminar: Recent Results and Future Challenges for Autonomous Underwater Vehicles in Ocean Exploration Johns Hopkins University, Laboratory for Computational Sensing and Robotics Seminar, Feb 2023
- Mayer, L - Invited Talk: Uncrewed Surface Vessels in Support of Ocean Exploration Exploring New Marine Frontiers: Maritime Users Conference, National Museum of Scotland, Edinburgh, Scotland, 25 January 2023
- Mayer, L - Invited Talk: Ocean Exploration Cooperative Institute (OEI) "Multi-vehicle Operations: A UNH Perspective, NOAA Science Seminars Series Silver Spring MD, 26 January 2023
- L. Lindzey, I. Vandor, T. Schneider, E. Gallimore, C. Kaiser, and M. Jakuba - Symposium: CoExploration for Adaptive AUV Survey 2022 IEEE/OES Autonomous Underwater Vehicles Symposium (AUV), Singapore, 2022. 8 pp
- [R. Arsenault and L. Lindzey - Conference Abstract: A ROS-Enabled Floating Hackathon: Coordinating Multiple Marine Robots ROSCon 2022, Kyoto Japan, Oct. 19-21, 2022](#)
- M. Jakuba - Seminar: CoExploration: Real-Time Multi-Modal AUV Mapping with Low-Throughput Acoustic Links NOAA Science Seminar, November 16 2022



- Auscavitch S, Meredith E, Cordes E, Rotjan R - Invited Presentation: A genetic reference library for the central Pacific Ocean deep-water Octocorallia. Deep-sea Research II: Proceedings of the 8th International Symposium on Deep-sea Corals.