

Zhuomin (Jasmine) Chen, Ph.D.

Senior Scientist, Physical Oceanography

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Education

- 2013-2018 **Ph.D., Physical Oceanography**
Rutgers, the State University of New Jersey, New Brunswick, NJ
Advisor: Enrique N. Curchitser (*Rutgers*)
- 2018 **Guest Student, Physical Oceanography**
Woods Hole Oceanographic Institution (WHOI), Woods Hole, MA
Advisors: Young-Oh Kwon (WHOI) & Ke Chen (WHOI)
- 2009-2013 **B.S. with honors, Marine Science**
Ocean University of China, Qingdao, China

Appointments & Professional Experience

- 2025-present **Senior Scientist in Physical Oceanography**
Gulf of Maine Research Institute, Portland, ME
Collaborators: Enrique N. Curchitser (*Rutgers*), Samantha Siedlecki (*UConn*), Paula S. Fratantoni (NOAA NEFSC), Michael A. Alexander (NOAA PSL), Andrew C. Ross (NOAA GFDL), Charles A. Stock (NOAA GFDL), Dongmin Kim (NOAA AOML), and Sang-Ki Lee (NOAA AOML)
- 2024-2025 **Research Scientist as a Lead PI in Physical Oceanography**
Department of Marine Sciences, UConn, Groton, CT
Collaborators: Enrique N. Curchitser (*Rutgers*), Samantha Siedlecki (*UConn*), Paula S. Fratantoni (NOAA NEFSC), Michael A. Alexander (NOAA PSL), Andrew C. Ross (NOAA GFDL), Charles A. Stock (NOAA GFDL), Dongmin Kim (NOAA AOML), and Sang-Ki Lee (NOAA AOML)
- 2021-2024 **Research Scientist in Physical & Biogeochemical Oceanography**
Department of Marine Sciences, UConn, Groton, CT
Advisor: Samantha Siedlecki (*UConn*)
Collaborators: Matthew C. Long (NCAR CGDL & [C] Worthy), Colleen M. Petrik (*Scripps*), Charles A. Stock (NOAA GFDL), Curtis A. Deutsch (*Princeton*), and Kristen M. Krumhardt (NCAR CGDL)
- 2018-2021 **Postdoctoral Fellow & Investigator in Physical Oceanography**
Physical Oceanography Department, WHOI, Woods Hole, MA
Advisors: Young-Oh Kwon (WHOI) & Ke Chen (WHOI)
Collaborators: Glen Gawarkiewicz (WHOI), Terrence M. Joyce (WHOI), Paula S. Fratantoni (NOAA NEFSC), Timothy J. Miller (NOAA NEFSC), Janet A. Nye (UNC-Chapel Hill), Vincent S. Saba (NOAA GFDL & NEFSC), Hubert du Pontavice (*France Energies Marines*), Jie Huang (WHOI), and Brian C. Stock (IMR, Norway)
- 2018-2020 **Postdoctoral Research Associate (National Research Council)**
NOAA Northeast Fisheries Science Center (NEFSC), Woods Hole, MA
Advisor: Paula S. Fratantoni (NOAA NEFSC)
- 2013-2018 **Graduate Research & Teaching Assistant in Physical Oceanography**
Rutgers, the State University of New Jersey, New Brunswick, NJ
Advisor: Enrique N. Curchitser (*Rutgers*)
Collaborators: Robert Chant (*Rutgers*) and Dujuan Kang (*Shanghai Jiao Tong University*)

Grant & Fellowship

Research Grant:

2024-2027 **NOAA Climate Program Office Modeling, Analysis, Predictions, and Projections (MAPP) Program.** 09/01/2024-08/31/2027, \$568,996. Projecting future changes in the Gulf Stream warm-core rings and their impacts on the Northeast U.S. Large Marine Ecosystem in a changing climate using regional MOM6 simulations.

Lead-PI: Zhuomin Chen (UConn)

Co-PIs: Enrique N. Curchitser (Rutgers), Samantha Siedlecki (UConn), and Paula S. Fratantoni (NOAA NEFSC)

Collaborators: Michael A. Alexander (NOAA PSL) and Andrew C. Ross (NOAA GFDL)

2025-2028 **NSF Biological Oceanography Program.** Collaborative Research: ZOOQUAL – Fine-scale Dynamics of Zooplankton Nutritional Quality and its Influence on Predator Foraging in the Gulf of Maine.

Lead-PI: Jerome Pinti (GMRI) and Aaron Carlisle (UDelaware)

Co-PIs: Meredyth Sullivan (GMRI) and Zhuomin Chen (GMRI)

Postdoctoral Fellowship:

2018-2020 **National Research Council Postdoctoral Fellowship Award**, 11/19/2018-08/18/2020, \$110,000. National Academies of Sciences, Engineering, and Medicine, working at NOAA National Marine Fisheries Service Northeast Fisheries Science Center & Woods Hole Oceanographic Institution, U.S.

Publications

Peer-reviewed Journal Papers:

- [1] Chen, Z., Curchitser, E., Chant, R. & Kang, D. (2018). Seasonal Variability of the Cold Pool over the Mid-Atlantic Bight Continental Shelf. *Journal of Geophysical Research: Oceans*, 123(11), 8203-8226.
- [2] Chen, Z., Kwon, Y. O., Chen, K., Fratantoni, P., Gawarkiewicz, G., & Joyce, T. M. (2020). Long-term SST Variability on the Northwest Atlantic Continental Shelf and Slope. *Geophysical Research Letters*, 47(1), e2019GL085455.
- [3] Chen, Z., Curchitser, E. N. (2020). Interannual Variability of the Mid-Atlantic Bight Cold Pool. *Journal of Geophysical Research: Oceans*, 125, e2020JC016445.
- [4] Chen, Z., Kwon, Y.-O., Chen, K., Fratantoni, P., Gawarkiewicz, G., Joyce, T. M., et al. (2021). Seasonal Prediction of Bottom Temperature on the Northeast U.S. Continental Shelf. *Journal of Geophysical Research: Oceans*, 126, e2021JC017187.
- [5] Cai, C., Kwon, Y. O., Chen, Z., & Fratantoni, P. (2021). Mixed layer depth climatology over the northeast US continental shelf (1993–2018). *Continental Shelf Research*, 104611.
- [6] du Pontavice, H., Miller, T. J., Stock, B. C., Chen, Z., & Saba, V. S. (2022). Ocean model-based covariates improve a marine fish stock assessment when observations are limited. *ICES Journal of Marine Science*, fsac050.
- [7] du Pontavice, H., Chen, Z., & Saba, V. S. (2022). A high-resolution ocean bottom temperature product for the northeast US continental shelf marine ecosystem. *Progress in Oceanography*, 102948.
- [8] Huang, J., Pickart, R. S., Chen, Z., & Huang, R. X. (2023). Role of air-sea heat flux on the transformation of Atlantic Water encircling the Nordic Seas. *Nature Communications*, 14, 141.

Publications (Continued)

Peer-reviewed Journal Papers (Continued):

- [9] **Chen, Z.**, Siedlecki, S., Long, M., Petrik, C., Stock, C. A., & Deutsch, C. (2024). Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen. *Nature Communications*, 15, 900.
- [10] Krumhardt, K. M., Long, M. C., Petrik, C. M., Levy, M., Castruccio, F., Lindsay, K., Romashkova, E., Deppenmeier, A.-L., Denechere, R., **Chen, Z.**, Landrum, L., Danabasoglu, G., & P. Chang (2024). From nutrients to fish: A novel, high-resolution Community Earth System Model simulation linked to a fisheries model. *Progress in Oceanography*, 103314.
- [11] Zavell, M. D., Moulard, M., Barnum, D. F., **Chen, Z.**, Siedlecki, S. A., O'Donnell, J., Vos, M., Matassa, C., Schultz, E. T., & Baumann, H. (2025). Experiments and ocean models predict diminishing benefits of offshore overwinter migration in northern stock black sea bass (*Centropristis striata*). *Marine Ecology Progress Series*, in revision.
- [12] Lim, H.-G., Petrik, C. M., Krumhardt, K. M., **Chen, Z.**, Long, M. C., Stock, C. A., Park, J.-Y., & E.-Y., Kim (2025). Skillful multiyear predictability of forage, large pelagic and demersal fish biomass. *Nature Communications Earth and Environment*, in revision.
- [13] Nguyen, H., Siedlecki, S. A., Rocha, C. B., **Chen, Z.**, & Curchitser E. (2025). Temporal trends and causes of deoxygenation on the Northwest Atlantic shelf. *Journal of Geophysical Research: Oceans*, in revision.
- [14] Siedlecki, S., Soares, F., Chen, Z., Curchitser, E., Nguyen, H., Meseck, S. L., Alexander, M., Shin, S., Matassa, C. M., & Berger, H. (2025). Understanding historical and projected compound change on the Northwest Atlantic shelf. *Progress in Oceanography*, submitted.

Journal Papers in Preparation:

- [15] **Chen, Z.**, Siedlecki, S., Curchitser, E. N., & F., Soars. Future changes in the Mid-Atlantic Bight Cold Pool. *Journal of Geophysical Research: Oceans*, in preparation
- [16] **Chen, Z.**, Kwon, Y. O., Chen, K., Fratantoni, P., Gawarkiewicz, G., Joyce, T. M. & J. Huang. Variability along Pathways of the Deep Gulf of Maine Bottom Waters. *Geophysical Research Letters*, in preparation
- [17] **Chen, Z.**, Curchitser, E. N., Alexander, M., Siedlecki, S., & D., Kang. Future changes in the Gulf Stream Warm-Core Rings. *AGU Advances*, in preparation
- [18] **Chen, Z.**, Curchitser, E. N., Alexander, M., & Y. O., Kwon. Winter Heat Budget over the Cold Pool Region. *Journal of Geophysical Research: Oceans*, in preparation
- [19] Petrik, C. M., Long, M. C., Stock, C., Lim, H.-G., K., K. M., **Chen, Z.**, S. A., Siedlecki. Drivers of spatiotemporal variability in fisheries production elucidated with global coupled models, in preparation
- [20] Siedlecki, S. A., Meseck, S., Colburn, L. L., Berger, H., Soares, F., Stock, C. A., Curchitser, E. N., **Chen, Z.**, et al. Dynamic pathway to transition from vulnerable to resilient fisheries social ecological systems: a transdisciplinary case study of the U.S. Atlantic sea scallop, in preparation

Ph.D. Thesis:

Chen, Z. (2018). Dynamics and spatio-temporal variability of the Mid-Atlantic Bight Cold Pool. Doctoral Dissertation, School of Graduate Studies, Rutgers, the State University of New Jersey, New Brunswick, NJ.

Teaching & Mentorship

- 2024-2027 **Co-supervision** of graduate student Hung Nguyen (funding support >50% through my lead project) with Samantha Siedlecki at UConn about investigating future Gulf Stream warm-core ring induced biogeochemical changes on the Northeast U.S. shelf under multiple climate scenarios.
- 2024 **Course Lecturer** for the course MARN3002 “*Foundations of Marine Science*” at the Dept. of Marine Sciences, UConn, responsible for the first half of the course (every Tuesday and Thursday) in the Spring semester, focusing on physical oceanography.
- 2023 **Guest Lecturer** (one class) for the course “*Coasts and Communities*” at the School for the Environment, UMass-Boston, focusing on the impacts from climate change on the coastal communities, e.g., coastal ocean heatwaves, sea level rise, and storms.
- 2020 **Co-supervision** of Woods Hole Oceanographic Institution **Summer Student Fellow** Cassia Cai with Young-Oh Kwon (WHOI) and Paula S. Fratantoni (NOAA NEFSC), responsible for scientific discussions on her research about mixed-layer depth variability on the Northeast U.S. shelf and all related technical & coding matters.
- 2017 **Graduate Teaching Assistant** for the course “*Explore the World’s Oceans*” at the Dept. of Marine and Coastal Sciences, Rutgers
- 2014 **Graduate Teaching Assistant** for the course “*Physical Oceanography*” at the Dept. of Marine and Coastal Sciences, Rutgers, hosting a bi-weekly coursework class explaining the assignments and preparing students for the exams
- 2011 **Undergraduate Teaching Assistant** for the undergraduate courses “*Thermal Dynamics*” (Spring semester) & “*Fluid Mechanics*” (Fall semester) at the College of Oceanic and Atmospheric Sciences, Ocean University of China

Professional Service & Memberships

- 2024-present **Member** of NOAA Climate Ecosystems and Fisheries Initiative (CEFI) **Northwest Atlantic Regional Ocean Modeling Team (NWA ROMT)**, aiming on investigating future Gulf Stream warm-core ring activities based on dynamically downscaled MOM6 future projections under multiple climate scenarios.
- 2021-present **Member** of NOAA Climate Program Office **Marine Ecosystem Task Force**, aiming on oxygen prediction using decadal prediction large ensemble ocean models.
- 2019-present **Contributor** to NOAA National Marine Fisheries Service NEFSC **State of the Ecosystem reports for the Mid-Atlantic and New England**, providing the observation-based Gulf Stream indices and expertise on evaluating the Mid-Atlantic Bight Cold Pool.
- 2018-2020 **Member** of NOAA Climate Program Office **Marine Prediction Task Force**, aiming on advancing seasonal to interannual prediction of U.S. coastal marine environment.

Other Memberships: American Geophysical Union (AGU); Society for Women in Marine Science; Mentoring Physical Oceanography Women to Increase Retention (MPOWIR)

Proposal Review: National Science Foundation-Physical Oceanography Program
National Oceanic and Atmospheric Administration (Panel Review)

Journal Review: Nature; Nature Climate Change; Journal of Geophysical Research-Oceans; Geophysical Research Letters; European Geosciences Union-Ocean Sciences; Continental Shelf Research; Journal of Advances in Modeling Earth Systems; Remote Sensing of Environment; Fisheries Oceanography

Other Awards

Travel Awards/Support:

- 2024 ***Earth System Predictability Across Timescales Workshop***, \$1,000, University Corporation for Atmospheric Research (UCAR), U.S.
- 2023 ***PICES Early Career Scientist Travel Grant***, \$550, National Science Foundation, U.S.
- 2017 ***Croucher Foundation-Croucher Summer Course in Climate and Marine Ecosystems***, \$1,600, Hong Kong University of Science and Technology, China
- 2015 ***IMAGe Workshop-Frontiers in Ensemble Data Assimilation for Geoscience Applications***, \$1,500, National Center for Atmospheric Research (NCAR), U.S.
- 2013 ***CoECSS Climate Science Winter School***, \$2,500, University of New South Wales, Australia

Undergraduate Research Grants:

- 2012-2013 ***National Academic Foundation in Oceanography, Ocean University of China***
Characteristics of the Indian Ocean Dipole, ~\$1,600.
Advisor: J. Lan
- 2011-2012 ***Undergraduate Research Development Program, Ocean University of China***
Impact of the cross-bay Bridge on the Jiaozhou Bay and Adjacent Shelf, ~\$800.
Advisor: X.-E. Chen

Undergraduate Scholarships, Awards, and Honorary Titles:

- 2013 ***Klaus Töepfer Environmental Scholarship***, ~\$1,500, United Nations Environment Programme - Tongji Institute of Environment for Sustainable Development
- 2013 ***Excellent Student Star*** (undergraduate highest honorary title, 8 winners each year), Ocean University of China
- 2013 ***Outstanding Undergraduate***, Ocean University of China
- 2012 ***Wenyuan Scholarship*** (highest honorary scholarship for undergraduates), ~\$1,500, Ocean University of China
- 2012 ***HOU Chongben Scholarship-1st Place*** (only 1 winner each year), ~\$450, College of Oceanic and Atmospheric Sciences, Ocean University of China
- 2012 ***Outstanding Talents Scholarship***, ~\$400, Ocean University of China
- 2012 ***Science and Technology Innovation Scholarship***, ~\$400, Ocean University of China
- 2012 ***U.S. Mathematical Contest in Modeling***, Honorable Mention
- 2011 ***China Undergraduate Mathematical Contest in Modeling***, 1st Prize in Shandong Province
- 2011 ***China Undergraduate Mathematical Competition***, 1st Prize in Shandong Province
- 2011 ***Outstanding Undergraduate Leader***, Ocean University of China
- 2011-2012 ***National Scholarship***, ~\$1,200/year, Ministry of Education, China
- 2010-2011 ***National Scholarship***, ~\$1,200/year, Ministry of Education, China
- 2010 ***First Prize in Undergraduate Mathematical Competition***, Ocean University of China
- 2009-2012 ***Outstanding Academic Performance Scholarship-1st Prize*** (3 years), ~\$500/year, College of Oceanic and Atmospheric Sciences, Ocean University of China
- 2009-2012 ***National Academic Foundation in Oceanography Scholarship-1st Prize*** (3 years), ~\$500/year, College of Oceanic and Atmospheric Sciences, Ocean University of China

Presentations (conference talks, seminars, and posters that I presented as the 1st author)

- May 2025 **Seminar:** Understanding and Predicting Changes of Oceanographic Conditions on the Northeast U.S. Shelf (60-min), NOAA Geophysical Fluid Dynamics Laboratory 2024-2025 Formal Seminar, Princeton, NJ
- Feb. 2025 **Seminar:** Understanding the variability and predicting seasonal-to-decadal changes of oceanographic conditions on the Northeast U.S. Shelf (45-min), Physical Oceanographer Candidate Presentation, Gulf of Maine Research Institute, Portland, ME
- Apr. 2024 **Poster:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen, Earth System Predictability Across Timescales Workshop, Boulder, CO
- Feb. 2024 **Poster:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen, Ocean Sciences Meeting 2024, New Orleans, LA
- Feb. 2024 **Talk:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen (30-min), 2024 Marine Ecosystem Task Force Bi-weekly Meeting, virtual
- Jan. 2024 **Talk:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen (45-min), School of Oceanography, Shanghai Jiao Tong University, virtual
- Dec. 2023 **Talk:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen (30-min), 2023 U.S. Northeast Climate-Fisheries Seminar Series, virtual
- Oct. 2023 **Talk:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen (20-min), PICES-2023 Annual Meeting, Seattle, WA
- Sep. 2023 **Talk:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen (20-min), Eastern Pacific Ocean Conference, Stanford Sierra Conference Center, Reno, NV
- Jun. 2023 **Poster:** Skillful Multiyear Prediction of Marine Habitat Shifts Jointly Constrained by Ocean Temperature and Dissolved Oxygen (30-sec poster preview talk), Gordon Research Conference-Coastal Ocean Dynamics, Bryant University, RI
- Mar. 2023 **Talk:** Predicting Habitat Viability for Diverse Marine Species in the North American Large Marine Ecosystems (20-min), 2023 International Forum for Young Scientists (Scholars), Marine Sciences Subforum, East China Normal University, virtual
- Mar. 2023 **Seminar:** Predicting Habitat Viability for Diverse Marine Species in the North American Large Marine Ecosystems (45-min), School for the Environment, UMass-Boston, MA
- Feb. 2023 **Talk:** Skillful Multiyear Prediction of Ocean Metabolic State in the North American Large Marine Ecosystems (20-min), Brown Bag Seminar, Dept. of Marine Sciences, UConn, CT
- Apr. 2022 **Posters:** Seasonal Prediction of Bottom Temperature on the Northeast US Continental Shelf; and North Pacific Decadal Predictability of Subsurface Temperature, Oxygen, and the Metabolic Index (5-min highlight talks), U.S. CLIVAR Daily to Decadal Ecological Forecasting along North American Coastlines Workshop, WHOI, MA
- Aug. 2021 **Talk:** Seasonal Prediction of Bottom Temperature on the Northeast U.S. Continental Shelf (15-min), the 18th Asia Oceania Geosciences Society 2021 Annual Meeting, virtual
- Jul. 2021 **Seminar:** Seasonal Prediction of Bottom Temperature on the Northeast U.S. Continental Shelf (45-min), Seminar in Physical Oceanography, University of Rhode Island, RI
- Jul. 2021 **Talk:** Spatiotemporal variability of the Mid-Atlantic Bight Cold Pool and seasonal Prediction of Bottom Temperature over the Northeast U.S. Continental Shelf (25-min), 2021 International Forum for Young Scientists (Scholars), Sun Yat-sen University, virtual

Presentations (Continued)

- Mar. 2021 *Talk: Sources and Upstream Pathways of the Bottom Waters on the Northeast U.S. Shelf and its Large-scale Impacts (30-min)*, Joint NOAA CVP/MAPP Projects Meeting, virtual
- Mar. 2021 *Talk: Seasonal Prediction of Bottom Temperature on the Northeast U.S. Continental Shelf (45-min)*, 2021 U.S. Northeast Climate-Fisheries Seminar Series (invited), virtual
- Dec. 2020 *Talk: Seasonal-to-interannual Prediction of Bottom Temperature on the Northeast US Continental Shelf (15-min recorded talk plus 4-min lightning talk)*, 2020 American Geophysical Union Fall Meeting, virtual
- Feb. 2020 *Poster: Long-term SST Variability on the Northwest Atlantic Continental Shelf and Slope*, Ocean Sciences Meeting 2020, San Diego, CA
- Jan. 2020 *Talk: Development and evaluation of a seasonal-to-interannual statistical forecasting system for oceanographic conditions and living marine resources on the Northeast U.S. shelf (45-min)*, NOAA Marine Prediction Task Force monthly teleconference, virtual
- Dec. 2019 *Seminar: Dynamics and spatiotemporal variability of the Mid-Atlantic Bight Cold Pool (45-min)*, Department Seminar in Physical Oceanography, WHOI, MA
- Dec. 2019 *Seminar: Dynamics and spatiotemporal variability of the Mid-Atlantic Bight Cold Pool (45-min)*, Department Seminar in Physical Oceanography, University of Rhode Island, RI
- Dec. 2019 *Seminar: Dynamics and spatiotemporal variability of the Mid-Atlantic Bight Cold Pool (45-min)*, Department of Estuarine and Ocean Sciences, School for Marine Science & Technology, UMass-Dartmouth, MA
- Oct. 2019 *Talk: Long-term SST Variability on the Northwest Atlantic Continental Shelf and Slope (15-min)*, 2019 WHOI Postdoctoral Symposium, WHOI, MA
- Oct. 2019 *Talk: Long-term SST Variability on the Northwest Atlantic Continental Shelf and Slope (15-min)*, Mid-Atlantic Bight Physical Oceanography and Meteorology Meeting (MABPOM), North Carolina State University, NC
- Oct. 2018 *Talk: Dynamics and spatiotemporal variability of the Mid-Atlantic Bight Cold Pool (15-min)*, 2018 WHOI Postdoctoral Symposium, WHOI, MA
- Oct. 2018 *Talk: Dynamics and spatiotemporal variability of the Mid-Atlantic Bight Cold Pool (15-min)*, 2018 Mid-Atlantic Bight Physical Oceanography & Meteorology Meeting (MABPOM), National Academies Jonsson Center, MA
- Aug. 2018 *Seminar: Dynamics and spatiotemporal variability of the Mid-Atlantic Bight Cold Pool (45-min)*, Department Seminar – Topics in Atmospheric and Oceanic Sciences, Stony Brook University, NY

Fieldwork Experience

- Apr. 2017 *R/V Rutgers* New Jersey Department of Environmental Protection Water Sampling and Quality Control, Raritan River, New Jersey
- May 2016 *R/V Sharp* Tidal and Sediment Survey, WHOI & Rutgers, Hudson River/ Newark Bay, New Jersey
- Oct. 2012 *R/V Dongfanghong 2* Ocean Investigation Internship, OUC, Jiaozhou Bay and Yellow Sea, Qingdao, China
- May 2012 *R/V Qingdao Fishing 3* Coastal Investigation Internship, OUC, Jiaozhou Bay, Qingdao, China

Programming Experience

Languages: Python, Matlab, R, Fortran, Linux, Latex

Earth System Models: ROMS, CESM, MOM6, FVCOM

Other Professional Development & Activities

- Oct. 2024 Ocean Best Practices System Workshop VIII: Stimulating Ocean Best Practices – Dialogues across Science and Technology for Innovative Solutions and Effective Governance, virtual
- Sep. 2024 Optimizing Ocean Observing Networks for Detecting the Coastal Climate Signal Workshop, virtual
- May 2023 Improving Workplace Climate: Empowering Individuals to Become Active Bystanders & Developing Effective Codes of Conduct, Groton, CT
- Jun. 2022 US CLIVAR Whither the Gulf Stream Workshop, virtual
- Mar. 2021 Stanford University Women in Data Science (WiDS) Workshop, virtual
- Jun. 2021 Global Ocean-Biogeochemistry (GO-BGC) Scientific Workshop, virtual
- Nov. 2019 Proposal Writing Workshop & Academic Job Application Workshop, WHOI, MA
- Sep. 2016 Society for Women in Marine Science Symposium, WHOI, MA
- Jun. 2013 International Environment and Sustainability Student Conference, Tongji U., China
- Apr. 2013 The 17th Pacific-Asian Marginal Seas Meeting, Hangzhou, China

Outreach Events

- May 2023 ***Volunteer*** as a poster judge at the 2023 Feng Colloquium, University of Connecticut
- Sep. 2022 ***Volunteer*** for the International Coastal Cleanup Event at the Bluff Point State Park, Groton, CT
- Apr. 2015 ***Volunteer*** for demonstrations of fluid dynamics and waves experiments to students and public on the annual “Rutgers Day”, Rutgers University
- Apr. 2013 ***Volunteer*** for demonstrations of fluid dynamics and waves experiments to students and public on the annual “Rutgers Day”, Rutgers University

Research Collaborators

Enrique N. Curchitser (*Rutgers*), Samantha Siedlecki (*UConn*), Michael A. Alexander (*NOAA PSL*), Paula S. Fratantoni (*NOAA NEFSC*), Young-Oh Kwon (*WHOI*), Ke Chen (*WHOI*), Glen Gawarkiewicz (*WHOI*), Terrence Joyce (*WHOI*), Vincent Saba (*NOAA GFDL & NEFSC*), Dajuan Kang (*Shanghai Jiao Tong University*), Hubert du Pontavice (*France Energies Marines*), Jie Huang (*WHOI*), Matthew C. Long (*[C] Worthy*), Kristen M. Krumhardt (*NCAR*), Colleen M. Petrik (*Scripps*), Charles A. Stock (*NOAA GFDL*), Curtis A. Deutsch (*Princeton*), Andrew C. Ross (*NOAA GFDL*), Jerome Pinti (*GMRI*), Siqi Li & Lu Wang (*UMass-Dartmouth*)