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EDUCATION

2002 Ph.D., Oceanography, Scripps Inst. of Oceanography, UCSD
1996 B.A., Geology and Biology, with Honors, Yale University

PROFESSIONAL EXPERIENCE

2021- Co-Director, [Georgia Climate Project](#)
2021- Co-Director, [UrbanHeatATL](#)
2018- Co-Director, [Smart Sea Level Sensors](#)
2017- Director, [Global Change Program](#), Georgia Tech
2016- ADVANCE Professor for Institutional Diversity, Georgia Tech
2016- Georgia Power Chair, Georgia Tech
2016- Co-Director and Founder, [Carbon Reduction Challenge](#)
2015- Professor, Earth and Atmospheric Sciences, Georgia Tech
2010-2015 Associate Professor, Earth and Atmospheric Sciences, Georgia Tech
2004-2010 Assistant Professor, Earth and Atmospheric Sciences, Georgia Tech
2002-2004 Postdoctoral Fellow, California Inst. of Technology, Pasadena
1996-2002 Graduate Student Researcher & Teaching Assistant, Scripps Inst. of Oceanography, UCSD
1998-2001 Visiting Summer Scientist, University of Minnesota Isotope Lab

HONORS AND AWARDS

2021 AAAS Fellow
2020 Star Award, Inst for People and Technology, Georgia Tech
2019 Hans Oeschger Medal, European Geoscience Union
2019 Groetzinger Moving Forward Award, Georgia Tech
2019 Congressional testimony for US House Comm. Natural Resources
2018 Reimagine Education Award for the Carbon Reduction Challenge
2018 Innovation in Co-Curricular Education Award, Georgia Tech
2015 Fellow, Brook Byers Institute for Sustainable Systems, Georgia Tech
2013 Sigma Xi Best Faculty Paper Award for *Cobb et al., Science, 2013*
2011 Invited Guest, White House Workplace Flexibility Policies Event
2010 Poptech Science and Public Leadership Fellow

2010	EAS Undergraduate Research Mentor Award
2009	Kavli 'Frontiers of Science' Fellow
2008	Presidential Early Career Award for Scientists and Engineers (PECASE)
2007	Georgia Tech Education Partnership Award
2007	NSF CAREER Award
2003	Comer Abrupt Climate Change Postdoctoral Fellowship
2002	Caltech Postdoctoral Fellowship

RESEARCH INTERESTS

Tropical Pacific climate
 Coral reefs
 Global water cycle
 Climate data-model intercomparison
 Coastal climate resilience
 Urban heat islands

REFEREED PUBLICATIONS (*student or †postdoc/research scientist author) h-index=38 (ISI Web of Science)

SUBMITTED

1. **Sayani**†, H.R., **K.M. Cobb**, B. Monteleone, A.L. Cohen, H. Bridges, Accuracy and reproducibility of coral Sr/Ca SIMS timeseries in modern and fossil corals, Submitted.
2. Park, K., I. Federico, E. Di Lorenzo, C.G. Piecuch, T. Ezer, N. Pinardi, G. Coppini, **K.M. Cobb**, Drivers of storm surge along the southeastern US coast: comparisons between Hurricanes Matthew (2016) and Dorian (2019), Submitted.
3. Chapman, A.U., D.M. Thompson, S.R. Hlohowskyj, J.E. Carilli, G. Gordon, T.J. Goepfert, H.R. Sayani, T.M. Marchitto, **K.M. Cobb**, A mechanistic investigation of the coral Mn/Ca-based trade wind proxy at Kiritimati, Submitted.
4. Buckingham, F., S.A. Carolin, J.W. Partin, J.F. Adkins, **K.M. Cobb**, C.C. Day, Q. Ding, C. He, Z. Liu, B. Otto-Bliesner, W.H.G. Roberts, S. Lejau, J. Malang, Termination 1 millennial-scale rainfall events over the Sunda Shelf, Submitted.
5. Løland, M.H., Y. Krüger, A.F. Bremer, F. Buckingham, S.A. Carolin, H. Sodemann, J.F. Akins, **K.M. Cobb**, A.N. Meckler, Evolution of tropical land temperatures across the last glacial termination, Submitted.

2021

6. **O'Connor***, G.K., H.R. Sayani, **K.M. Cobb**, Alyssa R. Atwood, Pamela T. Grothe, Samantha Stevenson, Tianran Chen, Jean Lynch-Stieglitz, Mark A. Merrifield, G.A. Schmidt, Julia K. Baum, Danielle Claar, Rachel Walter. Coral oxygen isotope records

capture the 2015/16 El Niño event in the central equatorial Pacific, *Geophys. Res. Lett.*, DOI: 10.1029/2021GL094036, 2021.

7. **Hitt, N.T.***, H.R. Sayani, A.R. Atwood, P.R. Grothe, C. Maupin, Y. Lu, H. Cheng, R.L. Edwards, **K.M. Cobb**, Central equatorial Pacific warming and freshening in the 20th century: new insights from a coral ensemble approach, DOI: 10.1029/2021GL094051, 2021.
8. Power, S., M. Lengaigne, A. Capotondi, S. McGregor, M. Khodri, J. Vialard, J.S. Kug, B. Jebri, M. Newman, M. McPhaden, G. Meehl, D. Smith, J. Cole, M. Collins, E. Guilyardi, G.I. Kim, W. Cai, Y. Okumura, F. Delage, **K.M. Cobb**, C. Chung, A. Wittenberg, P. Braconnot, J. Cretat, R. Garreaud, A. Levine, Y. Planton, J. Emile-Geay, R. Séférian, F. Zhu, R. Colman, J. Sprintall, D. Vimont, G. Wang, X. Zhang, J.J. Luo, X. Lin, M. Balmaseda, V.V. Kharin, G. Boer, G. Liguori, E. Di Lorenzo, B. Henley, A review of decadal climate variability in the tropical Pacific: characteristics, causes, predictability, and prospects, In press, *Science*.
9. Cai, W., A. Santoso, M. Collins, B. Dewitte, C. Karamperidou, J.S. Kug, M. Lengaigne, M.J. McPhaden, M.F. Stuecker, A. Taschetto, A. Timmermann, L. Wu, S.W. Yeh, G. Wang, B. Ng, F. Jia, Y. Yang, J. Ying, X. Zheng, T. Bayr, J.R. Brown, A. Capotondi, **K.M. Cobb**, B. Gan, T. Geng, Y.G. Ham, F.F. Jin, H.S. Jo, X. Li, X. Lin, S. McGregor, J.H. Park, K. Stein, Changing ENSO in a warming climate, *Nature Reviews Earth & Environment*, 10.1038/s43017-021-00199-z, 2021.
10. Meehl, G.A. H. Teng, J.H.Y. Richter, J.C. Fyfe, M.H. England, V. Nieves, C. Ummenhofer, D. Thompson, **K.M. Cobb**, W. Han, N.S. Lovenduski, H. Kim, K. Pegion, D. Smith, B.P. Kirtman, S-P. Xie, A. Capotondi, Y. Kushnir, A.C. Subramanian, M.G. Donat, F. Doblas-Reyes, S. Sanchez, A. Scaife, W.J. Merryfield, M.E. Mann, L. Sun, Initialized Earth system prediction from subseasonal to decadal timescales, *Nature Reviews*, <https://doi.org/10.1038/s43017-021-00155-x>, 2021.
11. Sayani, H.R., D.M. Thompson, J.E. Carilli, T.M. Marchitto, A.U. Chapman, **K.M. Cobb**, Reproducibility of coral Mn/Ca-based wind reconstructions at Kiritimati Island and Butaritari Atoll, <https://doi.org/10.1029/2020GC009398>, *G-cubed*, 2021.
12. Brown, M.A., B. Beasley, F. Atalay, **K.M. Cobb**, P. Dwivedi, J. Hubbs, D.M. Iwaniec, S. Mani, D. Matisoff, J.E. Mohan, M. Oxman, D. Rochberg, M. Rodgers, M. Shepherd, R. Simmons, L. Taylor, L.B. Toktay, and J. Mullen et al., Translating a Global Emissions Reduction Framework for Sub-National Climate Action: A Case Study from the State of Georgia, *Environmental Management*, <https://doi.org/10.1007/s00267-020-01406-1>, 2021.

2020

13. **Dee, S.G†**, **K.M. Cobb**, J. Emile-Geay, T. R. Ault, R. L. Edwards, H. Cheng, Multi-century fossil corals reveal large thresholds for aerosol forcing impacts on the tropical Pacific, *Science*, DOI: 10.1126/science.aax2000, 2020.

14. **Ellis, S.A.***, **K.M. Cobb**, J.W. Moerman, J.W. Partin, A.L. Bennett, J. Malang, H. Gerstner, A.A. Tuen, Cave dripwaters capture the 2015-2016 El Niño event in Northern Borneo, *Geophysical Research Letters*, doi.org/10.1029/2019GL086363, 2020.
15. Hernandez A., C. Martin-Puertas, P. Moffa-Sánchez, E. Moreno-Chamarro, P. Ortega, S. Blockley, **K.M. Cobb**, L. Comas Bru, Santiago Giralt, H. Goosse, J. Luterbacher, B. Martrat, R. Muscheler, A. Parnell, S. Pla-Rabes, J. Sjolte, A. A. Scaife, D. Swingedouw, E. Wise, G. Xu, Modes of climate variability: synthesis and review of proxy-based reconstructions through the Holocene, *Earth Science Review*, doi.org/10.1016/j.earscirev.2020.103286, 2020.
16. Sanchez, S.C., Westphal, N., G. H. Haug, H. Cheng, L.R. Edwards, T. Schneider, **K.M. Cobb**, C.D. Charles, A continuous record of Central Tropical Pacific Climate since the mid 19th century reconstructed from Fanning and Palmyra Island corals: a case study in coral data reanalysis, *Paleoceanography and Paleoclimatology*, doi.org/10.1029/2020PA003848, 2020.
17. Claar, D.C., S. Starko, K.L. Tietjen, H.E. Epstein, R. Cuning, **K.M. Cobb**, A.C. Baker, R.D. Gathes, J.K. Baum, Dynamic symbioses reveal pathways to coral survival through prolonged heat waves, *Nature Communications*, <https://doi.org/10.1038/s41467-020-19169-y>, 2020.
18. Emile-Geay, J., **K.M. Cobb**, M. Elliott, J.E. Cole, F. Zhu, Paleoclimate constraints on ENSO, AGU Monograph, DOI:10.1002/9781119548164, 2020.

2019

19. **Grothe, P.M.***, **K.M. Cobb**, G. Liguori, E. Di Lorenzo, A. Capotondi, Y. Lu, H. Cheng, R.L. Edwards, J.R. Southon, G.M. Santos, D.M. Deocampo, J. Lynch-Stieglitz, T. Chen, H.R. Sayani, K. Townsend, M. Hagos, G. O'Connor, D.M. Thompson, L.T. Toth, J.L. Conroy, A.L. Moore. Enhanced El Niño-Southern Oscillation variability in recent decades, *Geophysical Research Letters*, DOI: 10.1029/2019GL083906, 2019.
20. **Sayani, H.R.***, **K.M. Cobb**, K. DeLong, N.T. Hitt, E.R.M. Druffel, Intercolony $\delta^{18}\text{O}$ and Sr/Ca variability among *Porites* spp. corals at Palmyra Atoll: towards more robust coral-based estimates of climate, *G-cubed*, doi: 10.1029/2019GC008420, 2019.
21. **Konecky, B.L.†**, D.C. Noone, **K.M. Cobb**, The influence of competing hydroclimate processes on stable water isotope ratios in tropical rainfall, *Geophysical Research Letters*, <https://doi.org/10.1029/2018GL080188>, 2019.
22. Munksgaard, N.C. et al., Tropical daily observations of stable isotope compositions in rainfall and calculated stratiform rainfall fractions, *Scientific Reports*, DOI: 10.1038/s41598-019-50973-9, 2019.

23. Claar, D.C., **K.M. Cobb**, J.K. Baum, *In situ* and remotely-sensed temperature comparisons on a Central Pacific atoll, *Coral Reefs*, doi.org/10.1007/s00338-019-01850-4, 2019.
24. Khider, D, J. Emile-Geay, et al., PaCTS 1.0: A crowdsourced reporting standard for paleoclimate data, *Paleoceanography*, doi.org/10.1029/2019PA003632, 2019.
25. Sanchez-Murillo, R., A.M. Duran-Quesada, G. Esquivel-Hernandez, D. Rojas-Cantillano, C. Birkel, K. Welsh, M. Sanchez-Lull, C.M. Alonso-Hernandez, D. Tetzlaff, C. Soulsby, J. Boll, **K.M. Cobb**, N. Kurita, Hurricane isotope anatomy and rainfall variations in a climate change hotspot of the tropics, *Nature Communications*, doi.org/10.1038/s41467-019-12062-3, 2019.
26. Liu, Y., W. Cai, C. Sun, H. Song, **K.M. Cobb**, J. Li, S.W. Leavitt, Z. An, W. Zhou, L. Wu, Q. Cai, R. Liu, P. Cherubinu, U. Buentgen, Y. Song, G. Wang, Y. Lei, L. Yan, Q. Li, Y. Ma, C. Fang, J. Sun, X. Li, Anthropogenic aerosols cause recent pronounced weakening of Asian Summer Monsoon relative to last four centuries, *Geophysical Research Letters*, DOI: 10.1029/2019GL082497, 2019.

2018

27. **Chen, T.†**, **K.M. Cobb**, H.R. Sayani, P.M. Grothe, Coral-derived western Pacific tropical sea surface temperatures during the last millennium, *Geophys. Res. Lett* doi.org/10.1002/2018GL077619, 2018.
28. Timmermann, A., S.I. An, J.S. Kug, F.F. Jin, W. Cai, A. Capotondi, **K.M. Cobb**, M. Lengaigne, M.J. McPhaden, M. Stuecker, K. Stein, A. Wittenberg, K.S. Yun, et al. El Niño-Southern Oscillation complexity, *Nature*. doi: 10.1038/s41586-018-0252-6, 2018.
29. Rudd, M. et al., Climate research priorities for policy-makers, practitioners, and scientists in Georgia, USA, *Environmental Management* Vol 62, pp 190-209, 2018.
30. Stevenson, S., B. Powell, **K.M. Cobb**, J. Nusbaumer, M. Merrifield, D. Noone, 20th century seawater $\delta^{18}\text{O}$ dynamics and implications for coral-based climate reconstructions, *Paleoceanography and Paleoclimatology* DOI: 10.1029/2017PA003304, 2018.
31. Lu, Z., Z. Liu, J. Zhu, **K.M. Cobb**, A review of paleo-ENSO, *Atmosphere* doi.org/10.3390/atmos9040130, 2018.
32. Martin, N.J., J.L. Conroy, D. Noone, **K.M. Cobb**, B.L. Konecky, S. Rea, The times-transgressive nature of the amount effect in Galapagos precipitation, *JGR-Atmospheres*, 10.1002/2017JD027380, 2018.

2017

33. Smerdon, J.E., Luterbacher, J., Phipps, S.J., Anchukaitis, K.J., Ault, T., **K.M. Cobb** & Hydro2K consortium, Comparing proxy and model estimates of hydroclimate variability and change over the Common Era. *Climate of the Past* doi: 10.5194/cp-2017-37.

34. Carilli, J.E., A.C. Hartmann, S.F. Heron, J.M. Pandolfi, **K.M. Cobb**, H.R. Sayani, R. Dunbar, S. Sandin, Porites coral response to an oceanographic and human impact gradient in the Line Islands, *Limnology & Oceanography*. DOI: 10.1002/lno.10670, 2017.
35. Pausata, F.S.R., Q. Zhang, F. Muschitiello, Z. Lu, L. Chafik, E.M. Niedermeyer, J.C. Stager, **K.M. Cobb**, Z. Liu, Greening of the Sahara suppressed ENSO activity during the mid-Holocene, *Nature Communications*, DOI: 10.1038/ncomms16020, 2017.
36. Conroy, J.L., D.M. Thompspon, **K.M. Cobb**, D. Noone, S. Rea, A. LeGrande, Spatiotemporal variability in the d18O-salinity relationship of seawater across the tropical Pacific Ocean, *Paleoceanography*, 10.1002/2016PA003073. 2017.
37. Dassie, E., et al., Save our marine annually-resolved proxy archives (MARPA), *Eos: Transactions of the American Geophysical Union*, vol 98, doi:10.1029/2017EO068159, 2017.
38. Liu, Y., **K.M. Cobb**, H. Song, Q. Li, Q. Li, T. Nakatuska, J. Li, Z. An, S.W. Leavitt, C. Sun, L. Yan, D. Chen, H.W. Linderholm, Q. Cai, J. Sun, Y. Lei, Y. Ma, X. Li. 20th century central Pacific El Niño variability higher than last eight centuries. *Nature Communications*, DOI: 10.1038/ncomms15386, 2017.

2016

39. **Conroy, J.L.†**, D. Noone, **K.M. Cobb**, J.W. Moerman, B.L. Konecky, Paired precipitation-vapor isotope evidence for the amount effect, precipitation efficiency, and rain evaporation in western tropical Pacific storms, *JGR-Atmospheres*, DOI: 10.1002/2015JD023844, 2016.
40. **Carolin, S.***, **K.M. Cobb**, J.F. Adkins, J. Lynch-Stieglitz, J.W. Moerman, S. Lejau, J. Malang, B. Clark, A.A. Tuen, Northern Borneo rainfall variability across MIS 5 and 6 revealed in stalagmite oxygen isotopic records. *Earth and Planetary Science Letters*, doi:10.1016/j.epsl.2016.01.028, 2016.
41. **Grothe, P.M.***, **K.M. Cobb**, S. Bush, C.D. Charles, H. Cheng, R.L. Edwards, G. Santos, J. Southon, A comparison of rapid screening radiocarbon and U-series dates from fossil corals: implications for paleoclimate reconstruction, *G-cubed*, DOI: 10.1002/2015GC005893, 2016.
42. Chen, S., S.S. Hoffmann, D.C. Lund, **K.M. Cobb**, J. Emile-Geay, J.F. Adkins, A high-resolution speleothem record of western equatorial Pacific rainfall: implications for Holocene ENSO evolution, *Earth and Planetary Science Letters*, doi:10.1016/j.epsl.2016.02.050, 2016.
43. Newman, M., M.A. Alexander, T. Ault, **K.M. Cobb**, C. Deser, E. Di Lorenzo, N. Mantua, A. Miller, S. Minobe, H. Nakamura, N. Schneider, D. Vimont, A. Phillips, J.D. Scott, C.A. Smith. The Pacific Decadal Oscillation, Revisited. *Journal of Climate* DOI:

<http://dx.doi.org/10.1175/JCLI-D-15-0508.1>, 2016.

44. Wang, X., Sigman, D.M, Cohen, A.L, Sinclair, D.J., Sherrell, R.M., **Cobb**, K.M., Erler, D.V., Stolarski, J., Kitahara, M.K., Ren, H., Influence of open ocean nitrogen supply on the skeletal $\delta^{15}\text{N}$ of modern shallow-water scleractinian corals. *Earth and Planetary Science Letters*, doi:10.1016/j.epsl.2016.02.032, 2016.
45. Chikamoto, M.O., A. Timmermann, M. Yoshimori, F. Lehner, A. Laurian, A. Abe-Ouchi, A. Mouchet, F. Joos, K.M. **Cobb**. Volcanic eruptions boost tropical Pacific biological productivity, *Geophys. Res. Lett.* doi: 10.1002/2015GL067359, 2016.

2015

46. **Stevenson**, S.†, B. Powell, M. Merrifield, K.M. **Cobb**, J. Nusbaumer, D. Noone, Characterizing seawater oxygen isotopic variability in a regional ocean model: implications for coral proxy records, *Paleoceanography* doi:10.1002/2015PA002824, 2015.
47. Emile-Geay, J., K.M. **Cobb**, M. Carre, P. Braconnot, J. Leloup, Y. Zhou, S.P. Harrison, T. Correge, M. Collins, R. Driscoll, M. Elliot, H.V. McGregor, B. Schneider, A. Tudhope. Holocene constraints on tropical Pacific dynamics. *Nature Geoscience* doi:10.1038/ngeo2608, 2015.
48. Meckler, A.N., A. Affolter, Y.V. Dublyansky, Y. Kruger, N. Vogel, J.F. Adkins, S.M. Bernasconi, S. Carolin, K.M. **Cobb**, M. Frenz, R. Kipfer, M. Leuenberger, J.W. Moerman, C. Spotl, D. Fleitmann, Glacial-interglacial temperature change in the tropical West Pacific revealed by multiple stalagmite proxies. *Quaternary Science Research* doi:10.1016/j.quascirev.2015.06.015, 2015.
49. Cai, W., A. Santoso, G. Wang, S.W. Yeh, S.I An, K.M. **Cobb**, M. Collins, E. Guilyardi, F.F. Jin, J.S. Kug, M. Lengaigne, M.J. McPhaden, K. Takahashi, A. Timmermann, G. Vecchi, M. Watanabe, L. Wu. ENSO Extremes in a warming climate, *Nature Climate Change* doi: 10.1038/nclimate2743, 2015.
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51. Toth, L.T., R.B. Aronson, K.M. **Cobb**, H. Cheng, R.L. Edwards, H.R. Sayani, P.M. Grothe, Climatic and biotic thresholds of coral reef shutdown, *Nature Climate Change* doi:10.1038/2015nclimate2541, 2015.

2014

52. **Moerman**, J.W.* , K.M. **Cobb**, J. Malang, S. Lejau, B. Clark, A. Tuen, Transformation of ENSO-related rainwater to dripwater $\delta^{18}\text{O}$ variability by vadose water mixing, *Geophys. Res. Lett.* doi:10.1002/2014GL061696, 2014.

53. **Conroy, J.L.†, K.M. Cobb, J. Lynch-Stieglitz, P. Polissar**, Constraints on the salinity-oxygen isotope relationship in the central tropical Pacific Ocean, *Marine Chemistry* doi: 10.1016/j.marchem.2014.02.001, 2014.
54. Liu, Z., Z., Lu, X. Wen, B. Otto-Bleisner, A. Timmerman, K.M. **Cobb**, Evolution and forcing mechanisms of El Niño over the last 21,000 years. *Nature* doi:10.1038/nature13963, 2014.
55. Marchitto, T.M., W.B. Curry, J. Lynch-Stieglitz, S.P. Bryan, K.M. **Cobb**, D.C. Lund, Improved oxygen isotope temperature calibrations for cosmopolitan benthic foraminifera. *Geochim. Cosmo. Acta.*, doi: 10.1016/j.gca.2013.12.034, 2014.
56. Comboul, M., Emile-Geay, J., Evans, M.N., Mirnateghi, N., K.M. **Cobb**, D.M. Thompson, A probabilistic model of chronological errors in layer-counted climate proxies: applications to annually-banded coral archives, *Climate of the Past Discussions* doi: doi:10.5194/cp-10-825-2014, 2014.

2013

57. **Cobb, K.M., N. Westphal, H. Sayani*, E. Di Lorenzo, C.D. Charles, H. Cheng, R.L. Edwards**, Highly variable El Niño-Southern Oscillation throughout the Holocene, *Science* 10.1126/science.1228246, 2013.
58. **Carolin, S.***, K.M. **Cobb**, J.F. Adkins, B. Clark, A. Tuen. Varied response of western tropical Pacific hydrology to abrupt climate changes. *Science* doi: 10.1126/science.1233797, 2013.
59. **Partin, J.W.***, K.M. **Cobb**, J.F. Adkins, B. Clark. Trace element and carbon isotopic variations in cave dripwaters and stalagmites from northern Borneo. *G-cubed*, doi: 10.1002/ggge.20215, 2013.
60. **Conroy, J.L. †, K.M. Cobb, D. Noone**. Model-data comparisons of precipitation isotope variability across the tropical Pacific in the SWING2 climate model simulations. *JGR-Atmospheres* doi: 10.1002/jgrd.50412, 2013.
61. **Moerman, J.W.***, K.M. **Cobb**, J.F. Adkins, H. Sodemann, B. Clark, A. Tuen, Large-scale climate controls on rainfall oxygen isotope variability in the west Pacific Warm Pool. *Earth Planet. Sci. Lett.* doi: 10.1016/J.EPSL.2013.03.014, 2013.
62. **Emile-Geay, J. †, K.M. Cobb, M.E. Mann, A. Wittenberg**, Estimating tropical Pacific SST variability over the last millennium; Part 1: Methodology and validation. *J. Climate*, doi: 10.1175/JCLI-D-11-00510.1, 2013.
63. **Emile-Geay, J. †, K.M. Cobb, M.E. Mann, A. Wittenberg**, Estimating tropical Pacific SST variability over the last millennium; Part 2: Reconstructions and uncertainties. *J. Climate* doi: 10.1175/JCLI-D-11-00511.1, 2013.

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66. LaVigne, M., I.S. **Nurhati***, K.M. **Cobb**, H.V. McGregor, D. Sinclair, R.M. Sherrell, Systematic ENSO-driven nutrient variability recorded by central equatorial Pacific corals. *Geophys. Res. Lett.*, doi: 10.1002/grl.50765, 2013.

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2011

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71. **Nurhati**, I.S.*, K.M. **Cobb**, E. Di Lorenzo, Decadal-scale SST and salinity variations in the central tropical Pacific: signatures of natural and anthropogenic climate change. *Journal of Climate* doi: 10.1175/2011JCLI3852.1, 2011.

2010

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75. LaVigne, M., K.A. Matthews, A.G. Grottoli, E. Anagnostou, K.M. **Cobb**, R.M. Sherell, Calibration of coral skeleton P/Ca with a local seawater phosphate record: inter-colony reproducibility and potential for global application, *Geochimica et Cosmochimica Acta* 74(4): 1282-1293, 2010.

2009

76. **Nurhati**, I.S.*, K.M. **Cobb**, C.D. Charles, and R.B. Dunbar. Late 20th century warming and freshening in the central tropical Pacific. *Geophys. Res. Lett.* doi:10.1029/2009GL040270, 2009.
77. Jones, P.D. et al., High-resolution paleoclimatology of the last millennium: a review of current status and future prospects, *Holocene* 19(1): 3-29, 2009.
78. Furtado, J., Di Lorenzo, E., **Cobb**, K.M., Bracco, A. Reconstructing tropical sea surface temperatures using precipitation proxy records: methods and uncertainties, *J. Climate* DOI: 10.1175/2008JCLI2415.1., 2009.

2001-2008

79. Di Lorenzo, E., Schneider, N., **Cobb**, K.M., Chhak, K., Franks, P.J., Miller, A.J., Bograd, S.J., Arango, H., Curchister, E., Powell, T.M., Riviere, P. North Pacific gyre oscillation controls salinity, nutrients, and Chl-a. *Geophysical Research Letters* doi:10.1029/2007GL032838, 2008.
80. **Partin**, J.W.*, K.M. **Cobb**, J.F. Adkins, B. Clark, D.P. Fernandez. Millennial-scale trends in west Pacific warm pool hydrology since the Last Glacial Maximum. *Nature* 449: 452-455, 2007.
81. **Cobb**, K.M., J.F. Adkins, J.W. **Partin**, B. Clark. Regional-scale climate influences on temporal variations of rainwater and cave dripwater oxygen isotopes in northern Borneo. *Earth and Planetary Science Letters* 263: 207-220, 2007.
82. Graham, N.E., Hughes, M.K., Ammann, C., **Cobb**, K.M., Hoerling, M.P., Kennett, D.J., Kennett, J.P., Rein, B., Stott, L., Wigand, P.E., Xu, T., Tropical Pacific-Mid-latitude teleconnections during medieval times, *Climatic Change* 81(1-2): 241-285, 2007.
83. **Cobb**, K.M., C.D. Charles, H. Cheng, R.L. Edwards. The El Niño-Southern Oscillation and tropical Pacific climate during the last millennium. *Nature* 424: 271-276, 2003.
84. **Cobb**, K.M., C.D. Charles, H. Cheng, M. Kastner, R.L. Edwards. U/Th-dating living and young fossil corals from the central tropical Pacific. *Earth and Planetary Science Letters* 210: 91-103, 2003.
85. Charles, C.D., K.M. **Cobb**, M.D. Moore, R.G. Fairbanks. Monsoon-tropical ocean interaction in a network of coral records spanning the 20th century. *Marine Geology* 201(1-3): 207-222, 2003.

86. Paytan, A, S. Mearon, K.M. Cobb, M. Kastner. Origin of barite deposits: Sr and S isotope characterization. *Geology* 30(8): 747-750, 2002.
87. Cobb, K.M., D.E. Hunter, C.D. Charles. A central tropical Pacific coral demonstrates Pacific, Indian, and Atlantic decadal climate connections. *Geophys. Res. Lett.* 28(11): 2209-2212, 2001.

NON-REFEREED PUBLICATIONS

- Cobb, K.M., "[Weakened tenure protections will harm students as well as faculty](#)", Scientific American, November 3, 2021.
- Cobb, K.M., "[What happens in Glasgow stays with us for centuries](#)", The Boston Globe, November 1, 2021.
- Cobb, K.M. and M.E. Mann, "[Geoengineering: we should not play dice with the planet](#)", The Hill, October 12, 2021.
- Cobb, K.M. et al., Smart Sea Level Sensors for Coastal Climate Resilience, US CLIVAR Variations 18(3), [doi:10.5065/fp9y-ae42](https://doi.org/10.5065/fp9y-ae42), pp 20-25, 2020.
- Ledford, S.H., Monteagudo, M.M., A.N. Flores, J.B. Glass, K.M. Cobb, "[#GeoGRExit: Why geosciences programs are dropping the GRE](#)", EOS-Transactions of the AGU, June 4, 2020.
- Kessler, W.S., S. E. Wijffels, S. Cravatte, N. Smith, and Lead Authors, 2019: Second Report of TPOS 2020. GOOS-234, 265 pp. [Available online at <http://tpos2020.org/second-report/>.]
- Glass, J.B., K.M. Cobb, "Incentivizing equity and diversity in AGU Honors nominations", EOS-Transactions of the AGU, March 15, 2019.
- Kalmus, P., K.M. Cobb, D. Romps, "We study climate. We chose not to fly to DC for a conference on it.", Washington Post, December 10, 2018.
- Cobb, K.M. "Hurricanes like Michael show why we can't ignore climate change", Washington Post, October 14, 2018.
- Cobb, K.M. "A southern misfit", Nature Climate Change, News & Views, [doi:10.1038/nclimate2219](https://doi.org/10.1038/nclimate2219), 2014.
- Cobb, K.M. and J. Emile-Geay, "ENSO diversity in the paleorecord", CLIVAR Newsletter, 2013.

Cobb, K.M., “A climate science day participant describes the experience”, *EOS-Transactions of the American Geophysical Union* vol. 94, March 19, 2013.

Cobb, K.M. et al., “Representing and reducing uncertainties in high-resolution proxy climate data”, Final workshop Report, 20pp., Trieste, 2008.
<http://www.ncdc.noaa.gov/paleo/reports/trieste2008/trieste2008final.pdf>

Partin, J.W.*, K.M. Cobb, J.L. Banner, “Climate variability recorded in tropical and subtropical speleothems”, *PAGES News* 16(3): 9-10, 2008.

Cobb, K.M. “Ten thousand years of climate change”, *Nature Geosciences* 1: 725, 2008.

Cobb, K.M. “Letters from Palmyra” in *An Illustrated Guide to Climate Change*, eds. Schmidt, G. and Wolfe, J., W.W. Norton, New York, 2009.

FIELD EXPERIENCE

Caving expeditions to Gunung Mulu National Park, 2003, 2005, 2008, 2010, 2012, 2016, 2017

Research expeditions and cruises to Line Islands atolls, 1998, 2000, 2005, 2012-2017

Research expedition to Andros, Bahamas, 2008

INVITED TALKS

International (last 5yrs only)

Hans Oeschger Medal Lecture, 4/21

University College Dublin Departmental seminar, 3/21

Wiley Lecturer, Quaternary Research Association, 1/21

Plenary, International Conference in Paleoceanography, 9/19

Keynote, Urbino Summer School in Paleoclimatology, 8/19

Keynote, Goldschmidt Conference, 8/19

Keynote, ENSO in a warmer climate, Guayagil, Ecuador, 10/18

University of Bologna, Dept of Geophysics seminar, 6/18

Keynote, ENSO Diversity Workshop, Busan, Korea, 10/17

Keynote speaker, IPCC-PMIP4 Meeting, Stockholm, Sweden, 9/17

University of Bologna, CCMC Seminar speaker, 6/17

Plenary Lecture, CLIVAR Open Science Meeting, Qindao, China, 9/16

Keynote, 4th International Sclerochronology Workshop, 6/16

CLIVAR Pacific Panel Workshop, Santiago, Chile, 10/15

Plenary Lecture, INQUA, Nagoya, Japan, 8/15

4th CLIVAR ENSO workshop, Evaluation of ENSO in climate models: ENSO in a changing climate, Paris, 7/15

IAEA “Water isotopes in the tropics” workshop, Vienna, 6/15

National (last 5yrs only)

Departmental seminar, MIT-EAPS, 4/22

Departmental seminar, UCLA Earth, Planetary, and Space Sciences, 3/22
 Distinguished Lecturer, University of Utah, 10/21
 Speaker, “Better Tomorrow” Speaker’s Series, University of Hawai’i, 9/21
 Panelist, NASEM Workshop on the Future of NSF-P2C2, 6/21
 Panelist, US CLIVAR Workshop on “Tropical Pacific Observing Needs”, 5/21
 Departmental seminar, University of California, Santa Cruz, 5/21
 Panelist, Coastal Research Symposium, Georgia Sea Grant, 5/21
 Keynote, Electric Power Research Institute Energy & Climate Seminar, 5/21
 Panelist, Solve Climate by 2030, 4/21
 Departmental seminar, University of Chicago, 3/21
 Two invited talks at AGU Fall Meeting, 12/20
 US CLIVAR Variations webinar, 12/20
 Coastal Issues and Shoreline Management keynote, 11/20
 Speaker, Departmental Seminar Series, Arizona State, 4/20
 Speaker, Departmental Seminar Series, UC-Irvine, 4/20
 Keynote, World Climate Research Program 20th Anniversary Symposium, 12/19
 Two invited talks at AGU Fall Meeting, 12/19
 Keynote, Sigma Xi Conference, 11/19 (remote)
 Keynote, Centre College Presidential Sustainability Convocation, 10/19 (remote)
 Keynote, Scripps Student Symposium, 9/19 (remote)
 Speaker & panelist, National Intelligence University “Compound Climate Extremes”, 9/19
 Speaker, Departmental Seminar Series, Williams College, 10/19 (remote)
 Speaker, Departmental Seminar Series, UGA Geography, 4/19
 Keynote, US CLIVAR workshop on “Sea Level Hotspots”, 4/19
 Two invited talks at the AGU Fall Meeting, 12/18
 Speaker, U. of South Carolina Departmental seminar, 10/18
 Keynote, U. Southern California Center for Sustainability Solution, 9/18
 Speaker, National Intelligence University, Washington DC, 8/18
 Speaker, Thompson Lecture Series, National Center for Atmospheric Research, 5/18
 Speaker, Georgetown Environment Initiative, 5/18
 Speaker, Eminent Lecturer Series, University of South Florida, 4/18
 Keynote, Geography in Practice Symposium, Indiana University, 3/18
 Keynote, Climate Change Symposium, U-Wisconsin, 2/18
 Last Millennium Reanalysis Workshop, 10/17
 Keynote speaker, NOAA Blue Planet Symposium, 5/17
 U. of Illinois-Champaign/Urbana Miller Lecture, 4/17
 Keynote, Ecological Integration Symposium, TAMU, 3/17
 Two invited talks at American Geophysical Union Fall Meeting, 12/16
 Last Millennium Reconstruction Workshop, Friday Harbor, Washington, 10/16
 MIT Program on Atmospheres, Oceans, and Climate Departmental Seminar, 10/16
 PAGES workshop on Volcanic Impacts on Climate & Society, Columbia University, 6/16

PROFESSIONAL ACTIVITIES

Member, AGU and AAAS

Appointments

Lead Author, Working Group 1, IPCC Sixth Assessment Report (2017-2021)
Co-chair, US-CLIVAR Working Group on “Observations and Modeling of Water Isotopes in the Climate System” (2018-2021)
Co-chair, PAGES “CoralHydro2K” Working Group (2018-2021)
Guest Editor, Annual Reviews of Earth and Planetary Sciences, Volume 50, 2020-2021
Editor, Geophysical Research Letters, 2015-2018

National and International Panels

2020-2021 Member, Hans Oeschger Medal Selection Committee
2020-2021 Member, AGU Joanne Simpson Medal Selection Committee
2020-2021 Member, AGU Sustainable Meetings Committee
2018-2019 Member, Scientific Panel, 2019 AMS Climate Change Statement
2013-2018 Member, CLIVAR Pacific Panel
2015-2018 Member, Advisory Council, Leshner Leadership Institute for Public Engagement, AAAS
2014-2017 Member, AGU Perlman Award Selection Committee
2013-2014 Member, AAAS Climate Science Panel
2010-2014 Councilmember, American Quaternary Association
2012-2015 Representative, Consortium of Universities for the Advancement of Hydrologic Science (CUAHSI)
2009-2013 Member, PAGES-CLIVAR Intersection Panel

Selected Workshops and Panels

National Academy of Science P2C2 workshop, 6/21
TPOS2020 Steering Committee workshop, China, 11/19
MPOWR Pattullo conference for Women in Physical Oceanography, 9/19
US CLIVAR workshop on “Sea Level Hotspots: Florida to Maine”, Norfolk, 4/19
Last Millennium Re-analysis workshop, Friday Harbor, 10/17
NSF Earthcube Paleodata Standards workshop, Boulder, 6/16
Selection Committee, AAAS Leshner Leadership Institute Fellows, 2015
National Academy of Science “Frontiers in Decadal Climate Variability”, 9/15
AAAS workshop “The economic and financial risks of a changing climate”, 11/14
Selection committee, AGU David Perlman Award for Science Journalism, 2015, 2016
National Academy of Science workshop to review NSF-AGS “Goals & Objectives”, 4/14
Panelist, AAAS “Engaging with Social Media” workshop, 2/14
2013 Gender Summit of North America invited panelist
2013 “Climate Science Day on Capitol Hill” invited participant
NSF Expert Witness Training Academy, 8/11
NAS “Frontiers of Science” Invited Participant, 11/09
NOAA Climate Change Data and Detection Proposal Review Panelist, 1/09
NSF Paleo-Perspectives on Climate Change Proposal Review Panelist, 4/08
NOAA Abrupt Climate Change Proposal Review Panelist, 1/08
NSF Graduate Research Fellowship Program Panelist, 2007, 2008, 2009
NSF Earth System History Workshop, 3/07

NSF Earth System History Panelist, 3/03, 2/04

Conferences/Sessions Convened

Co-convenor, Sea level sensors and coastal ocean modeling, 7/20
Co-convenor, USClivar workshop “Water Isotopes in the Climate System”, 10/19
Scientific Committee, International Conference on “ENSO in a warmer climate”, 10/18
Co-convenor, AGU session PP43: “Paleoclimatic History of ENSO”, 12/18
Co-convenor, AGU session GC049: “Mechanisms and Impacts of Natural and Anthropogenic Tropical Pacific Decadal Variations and Trends”, 12/17
Co-convenor, AGU session PP009 “Climate of the Common Era”, 2014-2019
Co-Chair, Goldschmidt 2017 “Climate and Atmosphere of the Anthropocene” Theme, 8/17
Co-Chair, CLIVAR Open Science Meeting “Decadal-Centennial Climate Change”, 9/16
Co-convenor, AAAS Workshop “Communicating Climate Science”, 1/15
Co-convenor, INQUA session “Ocean-atmosphere interaction in the tropical South Pacific during the Late Quaternary”, 7/15
Co-convenor, Kastner Symposium, Scripps Inst. of Oceanography, 9/14
Co-convenor, AGU session “Thirty years of ENSO research: dynamics, predictability, modeling, and impacts”, 12/13
Co-convenor, AGU session “Indo-Pacific records of abrupt climate change”, 12/08
Co-convenor, Goldschmidt conference session “Marine and terrestrial reconstructions of seasonal and annual scale variability”, Vancouver, Canada, 7/08
Lead organizer, NSF/NOAA/PAGES/CLIVAR workshop “Reducing and representing uncertainties in high-resolution proxy climate data”, Trieste, Italy, 6/08
Co-convenor, AGU Session “Understanding and predicting Pacific decadal to centennial variability”, 12/06

Other Professional Service

Co-Author, Tropical Pacific Observing System (TPOS2020) Second Report, 2019
Founder, AGU PP Section ‘Dansgaard’ Mid-Career Award, instituted in 2015
Founder and Chair, SWAG Committee on Diversity in Geoscience Awards, 2012-2016
Nominator, 2+ underrepresented minority nominees/yr, AGU Honors Program, 2012-present

GEORGIA TECH SERVICE

Co-Chair, “Climate Solutions” Task Force, 2021-
Co-Chair, “Sustainability Next” Task Force, 2021-
Co-Chair, COVID19 Impacts on Faculty Working Group, 2021-2022
Founding Director, Sustainability Task Force, 2020-
Georgia Tech Diversity, Equity, and Inclusion Council, 2020-
Founder and Co-Director, Carbon Reduction Challenge, 2008-
Kendeda Living Building Advisory Council, 2020-
President’s Steering Committee for Strategic Planning, 2019-2020
GT Presidential Scholar Program Faculty Guide, 2016-2020
Co-Director, Climate Change Fellows Program, 2018-2019
College of Science Dean’s Search Committee, 2018-2019

Chair, ‘Excellence through Diversity in Faculty Hiring’ Committee, 2017-2018
 GT Strategic Energy Institute Faculty Advisory Committee, 2014-2019
 GT Student Energy Club Faculty Board, 2014-2018
 GT SLS Faculty Advisory Board, 2014-2017
 EAS Chair Advisory Committee, 2014-2017
 GT Strategic Plan Advisory Group, 2013-2016
 EAS Undergraduate Recruitment Committee, 2014-2015
 EAS Strategic Planning Committee, 2014-2015
 GT QEP Search Committee for “Serve-Learn-Sustain” Program Director, 2015
 ‘Frontiers in Science speaker’, Georgia Tech, 9/15
 Keynote, College of Science Recruitment Day, 2015
 Sigma Chi “Best Faculty Paper” Selection Committee, 2015
 Featured speaker, College of Science Advisory Board Meeting, 2014, 2015
 Panelist, GT Young Professional’s “Career Work-Life Balance”, 4/2014
 Founder and director, GT “Energy on the Hill” internship program, 2013
 EAS Representative to GT Honor’s Program, 2009-present
 Co-Chair, EAS Graduate Admissions Committee, 2011-2014
 Brooks Byers Institute for Sustainable Systems Review Committee, 2012-2013
 EAS Georgia Power Endowed Chair Search Committee, 2011-2012
 Panelist, ‘Preparing a NSF GRFP Application’, 2011, 2012
 GT Energy/Sustainability Strategic Planning Committee, 2011-2012
 GT Search Committee for Provost, 2010
 EAS Faculty Search Committees – 2008-2009, 2009-2010, 2010-2011, 2011-2012
 ChBE Forum on Energy and the Environment Speaker, 3/09
 Graduate Studies Committee – 2004-2005
 Undergraduate Studies Committee – 2006-2008
 EAS Faculty Search Committee – 2006-2007
 Sustainable Energy Roundtable Speaker – 2006
 CEISMC Ocean Sciences Workshop Speaker – 2006

PUBLIC ENGAGEMENT ACTIVITIES

Featured

Twitter: @coralsncaves (verified; >29,000 followers)
 Blog, cobblab.blogspot.com (>300 views/day)
 Panelist, US Congressional Natural Resources Committee Majority Roundtable, 5/20
 TEDxCentennialPark speaker, 12/19
 Expert testimony, US Congressional Natural Resources Committee Hearing, 2/19
 Keynote, Interface Global Conference, 6/21
 Featured Scientist, Emmy Award-winning Showtime documentary “Years of Living Dangerously”, 2014
 Featured story on front page of New York Times, April 9, 2016
 Featured interview and story on NBC’s “Today Show”, 4/16
 Featured guest, NPR’s “Diane Rehm Show”, 4/16

Last year only

Panelist, NYTimes COP 26 “Climate Hub”, 10/21
Keynote, Region of Peel, Canada, 10/21
Panelist, UN-Habitat “Innovate for Cities”, 10/21
Speaker, PocketLab’s “Blue Sky Hero”, 10/21
Sunday Assembly speaker, 8/21
Atlanta’s “One Earth, One Life” speaker, 7/21
Serenbe “Here and Now” speaker, 5/21
Fernback Earth Day speaker, 5/21
Georgia Interfaith Power and Light Panelist, 5/21
CNN’s “Coronavirus and Climate” podcast with Sanjay Gupta, 4/21
Panelist, Climate Reality Training with Al Gore, 4/21
Panelist, “Climate Change and the Design of the Built Environment”, 3/21
“Exploring by the Seat of Your Pants” presenter, 3/21
Panelist, “Impact of COVID on Academic Women”, WST, Georgia Tech, 3/21
Panelist, “Environmental Justice: Beyond Sustainability” Yale Blue Green, 3/21
Career Day Speaker, 1st-5th grades, Morningside Elementary, 2/21
Panelist, “The New Normal: A Sustainable Response to COVID19”, 1/21
Climate Change Speaker, 4th grade, The Children’s School, 1/21
“Coastal Georgia Rising” forum with Senator Sheldon Whitehouse, 12/21
Participant, NextProf Program, University of Michigan, 9/20
Skype-A-Scientist participant, 10/17, 1/18, 4/18, 4/19, 1/20
Led student visit to Capitol Hill to meet with GA lawmakers, 2009-2017
Research regularly featured in TV, print, on-line, and radio media, including BBC, CNN, NBC, CTV, ABC, NYTimes, LATimes, Washington Post, Associated Press, Gizmodo, Earther, Mother Jones, Climate Central

TEACHING EXPERIENCE (* indicates co-taught courses, † indicates lead instructor role, # indicates taught in last year)

<i>Course #</i>	<i>Course Title</i>	<i>Level</i>
EAS 4801	Vertically Integrated Project – Air Quality*†#	undergrad
EAS 2803	Engineering our Climate Future*†#	undergrad
EAS 3110	Energy, the Environment, and Society†#	undergrad
GT1000	Freshman seminar – climate change†*	undergrad
SLS 3120	Sustainable Systems*	undergrad
EAS 6216	Isotope Geochemistry	grad
EAS 4350	Oceanography*†	undergrad
EAS 4803/6136	Paleoclimatology & Paleoceanography*†	mixed

Graduate seminars as lead instructor

Monsoons: past, present, and future
Abrupt Climate Change
The “Hockey Stick”
Multi-decadal climate variability

Paleoclimate modeling
Water Isotopes
Ocean acidification past and present
The Warming Papers
The Global Hydrological Cycle
Corals and Climate Change
The 2015/2016 El Niño event

STUDENTS SUPERVISED

Postdoctoral:

Alyssa Atwood, NOAA Climate & Global Change Fellow, joint w/ J. Chiang (UC-Berkeley), 2015-2019; currently Asst. Prof. Florida State University
Bronwen Konecky, NSF-AGS Postdoctoral Fellow, joint w/ D. Noone (OSU) 2013-2015, currently Asst. Prof. Washington University, St. Louis
Samantha Stevenson, NSF-AGS Postdoctoral Fellow, joint w/ B. Powell (U-Hawaii), 2013-2015, currently Asst. Prof., UCSB
Jessica Conroy, NSF-EAR Postdoctoral Fellow 2011-2013, currently Assoc. Prof., U. Illinois Urbana-Champaign
Julien Emile-Geay, 2006-2008, currently Assoc. Prof., Univ. Southern California

Graduate:

Kelsey Perez, 2021-
Spenser Wipperfurth, 2021-
Shelly Ellis, MS 2019
Annika Jersild, 2016-2018
Pamela Grothe, 2012-2017; Women in Geoscience Fellow, Asst. Prof. Mary Washington
Hussein Sayani, 2011-2017; NSF Graduate Research Fellow, currently Research Scientist II
Jessica Moerman, 2010-2015; NSF Graduate Research Fellow, PEO Sisterhood Fellow, EAS 2013 Best Student Paper Award; currently AAAS Science & Policy Fellow
Stacy Carolin, 2011-2014; NSF Graduate Research Fellow, EAS 2011 Bradshaw Award for Graduate Research; currently Postdoctoral Fellow, Oxford University
Michele LaVigne (external committee member, Rutgers), PhD 2011
Intan Suci Nurhati, PhD 2011, Research Scientist, MIT-SMART, Singapore
Jason Furtado, PhD 2011 (co-advised), currently Asst. Prof., University of Oklahoma
Laura Zaunbrecher, MS 2009, PhD Georgia State 2013, currently tri-athlete on Team USA
Jud Partin, PhD 2009, currently Research Scientist VII, UT-Austin

Undergraduate:

Thiago Esslinger (CHBE), 2019-
Madeleine Hardt (EAS), 2018-
Manlin Xu (EAS), 2021-
Chloe Pollock-Muskin (CEE), 2021
Caroline Miley (CHBE), 2020-2021
Nicole Romer (CEE), 2020-2021

Hannah Levy (EAS), 2020-2021
 Akhil Chavan (ME), 2019-2020
 Rachel Walter (EAS), 2018-2021
 Hudson Moss (EAS), 2017-2019
 Jessie Torres (Emory College), 2018-2019
 Aaron Jones (Vassar College), 2017-2018
 Robert Johnson (PUBP), 2016-2017
 Megan Gottshalk (CEE), 2016-2018
 Melat Hagos (EAS), 2016-2017
 Gemma O'Connor (ISYE), 2016-2017, AGU Fall Meeting Oral Presenter, NSF Graduate Research Fellow, Univ. Washington PhD student
 Nicholas Hitt (EAS), 2015-2017, 2016 AGU-Ocean Sciences, AGU Fall Meeting Oral presenter; Univ. Wellington PhD
 Sam Pak (ME), 2016-2017
 Katie Tokos (EAS), Jan 2016-Aug 2016
 Lucas Everitt (EAS), 2015-2016
 Shelby Miller (EAS), 2014- 2016, 2015 AGU Fall Meeting presenter; GSU Masters
 Kayla Townsend (CEE), 2014-2016
 Christopher Bosma (EAS), 2014-2015, 2015 AGU Fall Meeting presenter; U-Wisconsin PhD
 Macon Abernathy (REU), summer 2015
 Colin Stone (CHEM), 2014-2015
 Corey Drozdowski (ME), 2013-2014
 Susan Hess (EAS), 2013
 Eleanor Middlemas (MATH), 2011-2013, 2012 AGU poster presenter, NSF Graduate Research Fellow 2013, currently Data Scientist, Jupiter Intelligence
 Elizabeth Wiggins (EAS), 2010-2013, 2012 AGU poster presenter, NSF Graduate Research Fellow 2013, currently NASA Postdoctoral Research Fellow
 Danja Mewes (EAS), 2012-2013
 Alexander Hoffman (EAS), 2010-2011
 Rebecca Kollenberg (EAS), 2009-2011, currently graduate student at U. Alabama
 Heather Crespo (EAS), 2008-2011
 Hussein Sayani (EAS), 2007-2009, Recipient of the 2009 College of Science Excellent Undergraduate Researcher Award, currently NSF Graduate Research Fellow
 Sarah Mostafa (CEE), 2008
 Jordan Simpkins (EAS), 2008
 Kerry Caslow (EAS), 2008
 Julian McAdams (EAS), 2008
 Stacy Carolin (EAS), 2007-2008, currently Oxford postdoctoral fellow
 Alison Graab (EAS), 2007-2008, currently environmental law consultant
 Megan Smith (BIO), 2006-2007
 Sara Harrold (UC-Boulder), REU, 2006, currently UW graduate student
 Jenni Williams (EAS), 2005-2007, currently EPA employee
 Kim Brady (EAS), 2006, MS EAS, currently Schmidt Ocean Institute technician
 Anna Williams (EAS), 2005
 Kathleen Salome (EAS), 2005, currently researcher, Sigma Aldrich
 Mindy Drinkuth (EAS), 2005

Sean Ryan (EAS), 2005

High School:

Evren Basaran, 2019-2020

Chandler Morris, Grady Public High School Gifted and Talented Program, 2016-2017

Pooja Sharma, Johns Creek High School, Summer Intern, 2017

Francesca Tine, Italian summer exchange student, 2017

Ariana Lewis, Northside Public High School, 2012-2013, Recipient of “Einstein Award” and
Winner of High School Science Fair, Dec 2012

Tessa Szalkowki, Grady Public High School Gifted and Talented Program, 2015-2016

Ben Wilson, Westminster High School, Summer 2016