

Katherine G. Sammler

Curriculum Vitae

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EDUCATION

- 2016 Ph.D., University of Arizona, School of Geography and Development
Minor: Remote Sensing & Spatial Analysis, Graduate Certificate in GIS
- 2009 M.S., University of Arizona, Atmospheric Sciences
- 2005 B.S., University of Oregon, Physics

PROFESSIONAL EXPERIENCE

Academic Appointments

- 2023-present Assistant Professor of Environmental Knowledge, Technology, & Sustainability Studies, Department of Technology, Policy and Society, University of Twente, Enschede, The Netherlands.
- 2020-2023 Research Lead, Focus Group: Marine Political Ecology, Helmholtz-Institute for Functional Marine Biodiversity (HIFMB) and Alfred Wegener Institute for Polar and Marine Research (AWI), at University of Oldenburg, Germany.
- 2016-2020 Assistant Professor, Global Studies & Maritime Affairs, California State University Maritime Academy (CSUM), Vallejo, CA.

Research Appointments

- 2013-2014 Intercultural Center for the Study of Desert and Oceans/Centro Intercultural de Estudios de Desiertos y Océanos (CEDO).
- 2009-2011 Flood Hydroclimatology of Arizona, Climate Assessment of the Southwest (CLIMAS), University of Arizona.
- 2008-2010 Border Climate Summary, Udall Center for Public Policy and the Institute of the Environment, University of Arizona.
- 2008-2009 Modeling O³ Measurement of GPS Radio Occultation. Atmospheric Sciences, University of Arizona.

PUBLICATIONS

Refereed Journal Articles

- 2024 Saputra and Sammler. Volumetric, embodied, and granular geopolitics of the seabed: Offshore tin mining in Indonesia. *Territory, Politics, Governance*. <https://doi.org/10.1080/21622671.2024.2334821>.
- 2024 Sammler. An intimate space: Gravity, waste, & the spatial orientation of bodies. *GeoHumanities*. <https://doi.org/10.1080/2373566X.2024.2325947>.
- 2023 Sammler and House-Peters. Unblackboxing mediation in the digital mine. *Geoforum*. <https://doi.org/10.1016/j.geoforum.2023.103745>.
- 2023 Sammler and Peters. Introduction to forum on Contesting the Ocean Decade: Plural Provocations on the Universal Sea. *Society & Space*. <https://www.societyandspace.org/forums/contesting-the-ocean-decade-plural-provocations-on-the-universal-sea>.
- 2022 Sammler and Hartman. Polar Magnetograms: Stitches in Space. *Humanities, Arts, and Society (HAS) Magazine*. July(05):1-10. <https://humanitiesartsandsociety.org/magazine/polar-magnetograms-stitches-in-space/>
- 2021 Sammler and Lynch. Observation and occupation: Settler colonialism and space science infrastructure in Hawai'i. *Environment and Planning D: Society and Space*, 39(5):945–965. <https://doi.org/10.1177/02637758211042374>.
- 2021 Sammler and Lynch. Spaceport America: Contested offworld access and the everyman astronaut. *Geopolitics*, 26(3):704–728. Special Section: Critical Geopolitics of Outer Space. <https://doi.org/10.1080/14650045.2019.1569631>.
- 2020 Sammler. The rising politics of sea level: demarcating territory in a vertically relative world. *Territory, Politics, Governance*, 8(5):604–620. <https://doi.org/10.1080/21622671.2019.1632219>.

Book Chapters

- 2020 Sammler. “Kauri and the whale: Oceanic matter and meaning in New Zealand” pp. 63-84, in I. Braverman and E. Johnson (eds.), Blue legalities: The law and life of the sea, Durham, NC: Duke University Press.
- 2017 Sammler. “The deep Pacific: Island governance and seabed mineral development” pp. 10-31, in Stratford (ed.), Island geographies: Essays and conversations, New York, NY: Routledge.

Conference Proceedings

- 2016 Kursinski, Ward, Otarola, McGhee, Stovern, Sammler, et al. Atmospheric profiling via satellite to satellite occultations near water and ozone absorption lines for weather and climate. *SPIE 9881, Earth Observing Missions & Sensors: Development, Implementation, & Characterization*. New Delhi, India 2 May.
- 2015 Sammler. From Ocean Abyss to Vacuum of Space: Privatization in the Vertical Commons. *Association of Pac. Coast Geogs*, Palm Springs, CA 21-24 Oct.
- 2010 Kursinski, Otarola, Ward, Young, Albanna, Groppi, Stickney, Stovern, Wheelwright, Duffy, Schein, Sammler, et al. [https://doi.org/10.1109/The Active Temperature, Ozone and Moisture Microwave Spectrometer \(ATOMMS\), A New Global Climate Sensor](https://doi.org/10.1109/The Active Temperature, Ozone and Moisture Microwave Spectrometer (ATOMMS), A New Global Climate Sensor). *IEEE International Geoscience and Remote Sensing Symposium* (p. 2952-2955). Honolulu, HI, 25-30 Jul.
- 2010 Kursinski, Young, Otarola, Stovern, Wheelwright, Ward, Sammler, et al. Laboratory and ground testing results from ATOMMS: The Active Temperature, Ozone and Moisture Microwave Spectrometer. *21st International Symposium on Space TeraHertz Technology*, Oxford, 23-25 Mar.
- 2009 AlBanna, Groppi, Walker, Schein, Bell, Wheelwright, d'Aubigny, Young, Golish, Kursinsk, Otarola, Ward, Sammler, et al. A Single 30 cm aperture antenna design for the operation of 2 widely separated frequency bands for the Active Temperature, Ozone and Moisture Microwave Spectrometer (ATOMMS). *20th International Symposium on Space Terahertz Technology*, Charlottesville, VA 20-22 Apr.
- 2008 Kursinski, Ward, Otarola, Sammler, et al. The Active Temperature Ozone and Moisture Microwave Spectrometer (ATOMMS), *ECMWF GRAS SAF workshop on GPS radio occultation*. Shinfield Park, UK. 16-18 Jun.

Book Reviews

- 2017 Sammler. Book review: *Seascapes: Shaped by the sea* eds by Brown & Humberstone. *The Canadian Geographer/Le Géographe canadien* Apr 61(2).
- 2015 Sammler. Territory as political technology: review of Stuart Elden's *The birth of territory*. *Contrivers' Review* 2 Mar.
- 2013 Sammler. Book review: *Island enclaves: Offshoring, creative governance and sub-national island jurisdictions* by Baldacchino. *Cultural Geographies* 20(2): 262.
- 2013 Sammler. Book review: *Island enclaves* by Godfrey Baldacchino. *Current Issues in Comparative Education* 15(1): 182-184.

Other Publications

- 2024 Sammler and Cranciun. Space poop zine. *Self-published*, 11 Mar.
- 2023 Hetzler, Giraldo, Kunz & Sammler. Teufelsberg: More-than-Mountain. *AG Umwel-tethnologie*.
- 2023 Marine Political Ecology Collective. Seabed mining activity and coloring book. *Self-published*, 9 Jun.
- 2020 Sammler. A Marine Political Ecology Perspective. *HIFMB Newsletter* #01/21.
- 2018 Sammler. Vibranium and the super nature of earthly materials. *Museum of the Moving Image: Sloan Science & Film*.
- 2013 Sammler and House-Peters. Tracing L.A.'s marine topographies: Climate, currents, & calamari. *Assoc. of Am. Geographers Newsletter* 48(1).

Manuscripts in Preparation

- 2024 Savitzky, Peters & Sammler. Marine invasives: Spatialities of belonging at sea.
- 2024 Sammler. From mountain to sea: Socio-political orogenesis and granular geographies of Mt. Taranaki, Aotearoa New Zealand.
- 2024 Bien, Coles & Sammler. Mekong sediment transport: Implications for territorial sovereignty.
- 2025 Lynch and Sammler. Spatializing "Intelligence" from animal to AI.

AWARDS & HONORS

Scholarship Awards

- 2019 Outstanding Scholar, California State University Maritime \$1,000.

Teaching Awards

- 2016 Outstanding teaching award, Graduate Student Council \$100.

Paper Awards

- 2015 Outstanding student paper, Tom McKnight & Joan Clemens Award, Association of Pacific Coast Geographers (APCG). *From ocean abyss to vacuum of space: Privatization in the vertical commons*, \$500.
- 2015 Honorable mention, Political Geography Specialty Group student paper awards, Association of American Geographers (AAG). *Ocean governance and seabed mineral development in the South Pacific*, \$150.

GRANTS &
FELLOWSHIPS

Fellowships

- 2014 National Science Foundation, East Asia Pacific Summer Institute (EAPSI). *Investigating ocean territory & resource sovereignty through seabed mining in South Pacific island nations*, \$5,000.
- 2014 Social Science Research Council, Dissertation Proposal Development, Oceanic studies: Seas as sites & subjects of interdisciplinary inquiry. *Environmental governance of the deep: Pacific seabed mining*, \$5,000.
- 2009 Science Foundation Arizona. Graduate Research Fellow, \$30,000.

Research Grants

- 2024 ANR-DFG Funding Programme for the Humanities and Social Sciences (Agence Nationale de la Recherche-Deutsche Forschungsgemeinschaft). PIs: Fache & Breckwooldt. *A Sea of Connections: Valuing Reef Passages in the South Pacific Region*, €577,000.
- 2022 Akademie Der Wissenschaften in Hamburg, Young researcher workshop grant. Schatz, Köster & Sammler, *Equity Perspectives on Global Ocean Law and Governance*, €4,950.
- 2019 Research, Scholarship and Creative Activities Award, CSU. Chancellor's Office. *Hydro-Social Atmospheric water management in Western U.S.*, \$4,700.
- 2018 Research, Scholarship and Creative Activities Award, CSU. *From mountains to sea: Sovereignty and nature in Aotearoa New Zealand*, \$5,000.
- 2017 Research, Scholarship and Creative Activities Award, CSU. *Colonial pasts and futures atop Hawaii's sacred peaks*, \$4,300.
- 2016 Research, Scholarship and Creative Activities Award, CSU. *Legal construction of ocean jurisdictions*, \$1,500.
- 2014 Arizona Social & Behavioral Sciences Research Institute, Dissertation grant. *Environmental governance of the Deep: Pacific seabed mining*, \$1,500.
- 2014 Arizona Graduate and Professional Student Council, research grant. *Environmental governance of the deep: Pacific seabed mining*, \$1,000.

Instructional Grants

- 2018 Instructionally Related Activities Grant, California State University Maritime (CSUM). Support undergraduate students to present research at the Association of Pacific Coast Geographers conference in Reno, NV. \$1,750.
- 2017 Instructionally Related Activities Grant, CSUM. Support undergraduate students to present research at the Association of Pacific Coast Geographers conference in Chico, CA. \$1,750.
- 2017 Provost's Curriculum Redesign Grant, CSUM. *Ocean Politics increased freshman retention*, \$1,000.
- 2016 Instructionally Related Activities Grant, CSUM. *GPS Coastline Measurement and Mapping. Purchase of handheld GPS units for GIS Mapping & Spatial Analysis*, \$1,500.

INVITED SPEAKER

- 2023 University of York, Spaceports: Places, Promises, Politics. York, UK, 2–3 Nov.
- 2023 Lancaster University, Aqueous Futures Project: Morecambe Bay Milieux. Morecambe, UK, 6–7 Sep.
- 2023 University of St. Andrews. Political Ecology of Volume Research Group. Governance & the voluminous commons. St. Andrews, UK/virtual, 5 Jul.
- 2023 University of Cambridge Centre for Research in the Arts, Social Sciences and Humanities (CRASSH). *Remote Sensing: Exploring practices between the arts, sciences, and humanities*. Cambridge, UK, 20-21 Apr.
- 2023 Hanse-Wissenschaftskolleg (HWK) Institute for Advanced Study. *Turning Information into Knowledge: Sense-Making in Interdisciplinary Conversation*. Delmenhorst, DE, 23 Jan.
- 2021 Karlsruhe University of Arts and Design (HfG). *A conversation with Katherine Sammler & Mariana Silva for Vanessa Bosch's "Wet Together: A Hydrofeminism Manifesto" exhibit*. Karlsruhe, Germany, 17 Nov.
- 2020 University of Leicester, School of Geography, Geology and the Environment research seminar. *A line in the Sand: Sea level as a territorial apparatus in a vertically relative world*. Virtual gathering, 11 Nov.
- 2020 Moss Landing Marine Laboratory, seminar series. *The rising politics of sea level: demarcating territory in a vertically relative world*. Moss Landing, CA, 5 Mar.

- 2018 Visions of the Wild: Film & Arts Festival. *California water politics*. Lecture tour on the Carquinez Strait, Vallejo, CA, 23 Sep.
- 2018 Leibniz Center for Tropical Research. *Drawing a line in the sand: Boundary making, seabed mining & dispossession off New Zealand's coast*. Bremen, DE, 20 Jun.
- 2018 New Museum Triennial: Songs of Sabotage. *New frontiers: extractivism & activism*. New York, NY, 17 Feb.
- 2017 International training program for delegation from Hainan Province, San Francisco State University, College of Extended Learning. *The rising politics of sea level*. San Francisco, CA, 25 Sep.
- 2017 Visions of the Wild. *Follow the drop: A hydro-social tour of California H₂O*. Lecture tour on the Carquinez Strait, Vallejo, CA, 10 Sep.
- 2017 SF Maritime National Historical Park, Blue Room lecture series. *Measurement and meaning: Rising sea levels and sinking elevations*. San Francisco, CA, 29 Jul.
- 2017 San Francisco State University, College of Extended Learning, Huaihai Institute of Technology international training program. *Impacts of seabed mining*. San Francisco, CA, 21 Jul.
- 2017 University of California Berkeley, Office of Resources for International and Area Studies, The view from the sea: Oceans in world history summer institute for k-12 Educators. *An oceanic gaze*. Berkeley, CA, 28 Jun.
- 2015 National Science Foundation: East Asia Pacific Summer Institute orientation. Investigating ocean territory & resource sovereignty in the South Pacific. Arlington, VA, 3 Apr.

CONFERENCES

Papers Presented

- 2024 House-Peters and Sammler. The Neglected Microbial-Mineral Archive: Entwined More-than-Human Histories of Microorganisms and Iron Ore. *World Congress of Environmental History*. University of Oulu, FI 19–23 Aug.
- 2024 Sammler, House-Peters & Hine. Softbots for soft bodies: Ocean collections at depth. *World Congress of Environmental History*. University of Oulu, FI 19–23 Aug.
- 2023 Turnhout, Sammler & Pauwelussen. Commoning the Ocean. *Royal Society of Edinburgh Research Network "Ocean and Us."* Virtual, 11 Oct.
- 2023 Sammler. Seabed mining and the plume: circulations, turbulence, and material excess. *STS-hub.de* conference. Aachen, DE/virtual, 15-17 Mar.

- 2022 Sammler. An intimate space: Gravity, waste, & the spatial orientation of bodies. NYU Gallatin School of Individualized Study. *Discard Studies: Exploring disposal's past, present, and future*. New York, NY, 15-17 Sep.
- 2022 Sammler. Most-human: How non-human animal models of 'intelligence' codify (de)humanization. *Royal Geographical Society*. Newcastle. 30 Aug-2 Sep.
- 2022 Sammler. Anthropocene islanding: granular geographies of material and political processes. *Islands of the World*. Zadar, Croatia. 13-17 Jun.
- 2022 Hartman and Sammler. Arctic Magnetograms: Stitches in space. *Mediating Arctic Geographies: Contemporary Imaginaries of the Circumpolar World*, Tampere University, Finland, 9-11 Jun.
- 2022 Sammler. Summit to seafloor: Sediment flows from Mt. Taranaki, Aotearoa New Zealand. *European Society for Oceanists*. Ajaccio, France, 2-5 Jun.
- 2022 Sammler. Unruly Taranaki: Tracing sands from seabed summit. *Exploring Unruly Sites of More-than-Human Entanglements*. Freie Universität Berlin, 19-20 May.
- 2022 Sammler and Hartman. Arctic Magnetograms: Stitches in Space.. *American Association of Geographers (AAG)*. Virtual NY, 25 Feb-1 Mar.
- 2022 Bien, Coles, & Sammler. Sediment transport and the implications for Vietnam's territorial sovereignty. *AAG* .Virtual New York, NY, 25 Feb-1 Mar.
- 2021 Sammler and Laketa. Space poop challenge: Gravity, waste and bodies. *Everybody's Business: Toilets as a Contested Space*. Humboldt U., Berlin 18-20 Nov.
- 2021 Sammler. Granular geographies and oroimaginaries of Mt. Taranaki, Aotearoa NZ. *Association of Pacific Coast Geographers*, Virtual San Diego 14-16 Oct.
- 2021 Lynch and Sammler. Spatializing 'Intelligence': Techno-Logics of SETI and AI. *AAG*, Online, 7–11 Apr.
- 2021 House-Peters and Sammler. Digital ecologies of the smart mine. University of Cambridge, Department of Geography. *Vital Geographies Research Group: Digital Ecologies*. Online, 29–30 Mar.
- 2021 Sammler and House-Peters. The Rise of the Mining Robots: New Technologies for Subaqueous & Subterranean Sensing for Iron Extraction in Oceania. *Society for Cinema and Media Studies*. Virtual Denver, CO. 17–21 Mar.
- 2020 Sammler. The Road to Mars. *AAG*, Denver, CO°, 6–10, Apr (°Moved to virtual).
- 2019 Sammler. Intimate outer space: Gravity, waste & the spatial orientation of bodies. *Association of Pacific Coast Geographers*. Flagstaff, AZ, 16–19 Oct.

- 2019 Sammler. Entangled Elements: Between Sand & Sea. Society for Social Studies of Science. New Orleans, LA 4–7 Sep.
- 2019 Sammler. From mountain to sea: The erosion & extraction of sovereign sands. Institute of Australian Geographers. Hobart, Tasmania, 9–13 Jul.
- 2019 Sammler, House-Peters & Lynch. Bots not bodies: Analogs and robots in hostile environments. *AAG*. Washington DC, 3–7 Apr.
- 2019 House-Peters, Sammler & Lynch. The ‘robot’ in the coal mine: Emerging regimes of extractivism in the robotic age. *AAG*. Washington DC, 3–7 Apr.
- 2018 House-Peters and Sammler. As above, so below (part 1): New robotic regimes of resource extraction. *Association of Pacific Coast Geographers (APCG)*. Reno, Nevada, 24–27 Oct.
- 2018 Sammler and House-Peters. As above, so below (part 2): Frontier robots. *APCG*. Reno, Nevada, 24–27 Oct.
- 2018 Sammler. Colonial pasts and futures atop Mauna Loa and Mauna Kea. *International Geographical Union*, Quebec City, Canada, 6–10 Aug.
- 2018 Sammler. Drawing a line in the sand: The rising politics of sea level. *Shifting baselines, altered horizons: Politics, practices, and knowledge in enviro. science & policy*. Max Planck Institute for the History of Science, Berlin, DE, 21–22 Jun.
- 2018 Sammler. Meta Earth, virtual Mars: Science & colonialism on Hawaiian mountains. *Islands of the World*. Terschelling, NL, 10–14 Jun.
- 2018 Sammler. Ship vs boat: Extractivism & activism at sea. *AAG*. New Orleans LA, 10–14 Apr.
- 2017 Sammler. Fog, clouds, and rain: Incorporating the atmosphere into a hydrosocial framework. *APCG*, Chico CA, 26–28 Oct.
- 2017 Sammler and Lynch. Spaceport America: Contested offworld access & the everyman astronaut. *AAG*, Boston MA, 5–9, Apr.
- 2017 Sammler. Material, technical, and political constructions of sea level. *AAG*, Boston MA, 5–9, Apr.
- 2017 Sammler. Kauri and The Whale: Oceanic Matter and Meaning in New Zealand. The Baldy Center for Law and Social Policy, *Ocean Legalities: The Law and Life of the Sea*. Buffalo, NY, 23–24 Feb.
- 2016 Sammler. Critical physical geography of sea level. *APCG*, Portland OR, 5–9 Oct.
- 2016 Sammler. Territory, sovereignty and political geometry in the Pacific Ocean. *International Geographical Congress*, Beijing, CN, 21–25 Aug.

- 2016 Sammler. Common heritage or private commodity: Political geography of sea, air, & space. *AAG*, San Francisco CA, 29 Mar–02 Apr.
- 2015 Sammler. From ocean abyss to vacuum of space: Privatization in the vertical commons. *APCG*, Palm Springs CA, 21–24 Oct.
- 2015 Sammler. Subsuming the submerged: Producing seabeds as political territories. *AAG*, Chicago IL, 21–25 Apr.
- 2015 Sammler. Knowing the abyss: Seeking geographies of ocean space. *Oceans and deserts: Charting transdisciplinary currents in environment and culture within the arts and sciences*, Tucson AZ 6–7 Mar.
- 2014 Sammler. Emerging resource management strategies and deep seabed mining in Pacific island nations. *Islands of the World*, Penghu, Taiwan 22–27 Sep.
- 2014 Sammler. The deep Pacific: Island governance and seabed mineral development. *AAG*, Tampa FL 8–12 Apr.
- 2014 Sammler. Sovereignty submerged: Pacific deep sea mining, governance, & accumulation. *Dimensions of Political Ecology*, Lexington KY 27 Feb–1 Mar.
- 2013 Sammler. Ruin spreads over the deep: The production and materiality of ocean space. *AAG*, Los Angeles CA 9–13 Apr.
- 2012 Sammler. Redolent of spheres: On ocean law and sovereignty. *APCG*, Olympia WA 3–6 Oct.

Posters Presented

- 2012 Sammler. Aquatic imaginaries: Navigating marine debris. *AAG*, New York NY 24–28 Feb.
- 2010 Sammler and Hirschboeck. Flood hydroclimatology data as a nexus for stakeholder interaction. *AAG*, Washington D.C., 14–18 Apr.
- 2009 Sammler, Kursinski & Ward. Profiling ozone via radio occultation. *American Geophysical Union*, San Francisco, CA 14–18 De

Conferences Organized

- 2023 Primary Organizer, *Marine Political Ecology meets STS symposium*. University of Twente, NL, 22–23 May.
- 2022 Co-Organizer, *Equity Perspectives on Global Ocean Law and Governance*. Universität Hamburg, 7 Sep.
- 2021 Organizing Committee, *3rd Symposium on Functional Marine Biodiversity*. Online, hosted by Helmholtz Institute for Functional Marine Biodiversity, 7–8 Sep.

Sessions Organized

- 2024 Eijnded, Baibarac-Duignan, Turnhout, Sammler & McGreevy. Infrastructuring Postgrowth Futures. *EASST-4S*. Amsterdam, NL, 16-19 Jul.
- 2022 Hawkins, Sammler, House-Peters, Peters, & Squire. Creating Depth? I-V. *AAG*. Virtual, 25 Feb-1 Mar.
- 2021 Lynch and Sammler. Spatializing ‘Intelligence’ *AAG*, Virtual, 7–11 Apr.
- 2020 Sammler and House-Peters. Thinking with portals I & II. *AAG*, Denver, CO°, 6–10, Apr (°Moved to virtual platform).
- 2018 Swann-Quinn and Sammler. Assembling benthic power I & II. *AAG*, Washington DC, 3–7, Apr.
- 2017 Sammler and Sugg. Multispheres: Legal & political geographies of geophysical interfaces, I & II. *AAG*, Boston, MA, 5–9, Apr.
- 2016 Sammler and ElVilaly. Point, line, plane, volume: Increasing dimensionality in geographic inquiry. *AAG*, San Francisco, CA, 29 Mar–2 Apr.
- 2013 Sammler K and Nurmi. Writing spaces of exception: The implications of illegible geographies. *AAG*, Los Angeles, CA 9–13 Apr.

Discussant

- 2020* *Territory, Politics, Governance* Annual Lecture: “Somatic States: On Cartography, Geobodies, Bodily Integrity” by Franck Billé. *AAG*, Denver, CO, 6–10, Apr (*Cancelled).
- 2020* Contemporary issues and new horizons for the geographies of music III: Author Meets Readers: “Sound, Space, and Society: Rebel Radio” by Kimberley Peters. *AAG*, Denver, CO, 6–10, Apr (*Cancelled).
- 2018 Land and ocean conservation panel. Student sustainability coalition: *The State of the Environment Conference*. CSU Long Beach, CA, 20 Apr.
- 2018 Critical approaches to ocean planning. *AAG*, New Orleans, LA, 10-14 Apr.
- 2017 Critical geographies of subsurface, sky, & other inscrutable spaces. *AAG*, Boston, MA, 5–9, Apr.
- 2012 Author meets critics: “Island enclaves” by Godfrey Baldacchino. *AAG*, New York, NY 24–28 Feb.

CAMPUS TALKS

- 2022 *Spatializing intelligence from dolphins to AI* Helmholtz Institute for Functional Marine Biodiversity. Geography & Environment at Oldenburg Lab, 11 Jul.
- 2018 *Who owns the rain? And other questions from the intersection of politics and geophysics.* Cal Maritime Scholar Series, CSU Maritime, 22 Feb.
- 2015 *Seabed mining prospects in New Zealand.* Society of Earth Science Students, geosciences undergraduate club, University of Arizona, 9 Oct.

TEACHING EXPERIENCE

Primary Instructor

- 2024 Technology & Social Order, MA [F2F].
- 2021-23 Science & Society [hybrid].
- 2018-20 Ocean Environmental Management [F2F].
- 2017-20 Comparative Maritime Policies [F2F].
- 2017-20 GIS Mapping & Spatial Analysis (ArcGIS) [F2F].
- 2016-19 Ocean Politics [F2F].
- 2016-19 Environmental Policy [F2F].
- 2019 Political Geography [F2F].
- 2019 Citizen Environmental Science [F2F].
- 2016 Comparative Politics [F2F].
- 2015 Our Changing Climate, [Online].
- 2014-15 Introduction to Physical Geography, [Online].
- 2013 Environment and Society, [Online].
- 2012,15 Our Dynamic Landscape [F2F].
- 2011 Computer Cartography (ArcGIS) [F2F].

Team Teaching

- 2024 Master's Lab, MA [F2F]
- 2021-23 Global Climate Change - Facts, Challenges & PerspectivesBS [F2F].

Study Abroad

- 2019 International Experience lead, New Zealand. 20 undergrads, 3 weeks.
- 2017 International Experience lead, Vietnam. 28 undergraduates, 3 weeks.

Lab Instructor

- 2012 Geographic Applications of Remote Sensing (ERDAS).
- 2012 GIS for Natural & Social Sciences. (ArcGIS).
- 2011 Introduction to Remote Sensing (ERDAS).

Teaching Assistant

- 2016 Our Diverse Biosphere.
- 2015 The Political and Cultural Geography of Globalization.
- 2015 Introduction to Sustainable Development.
- 2008–07 Weather and Climate.

Mentorship

- 2023-26 Postdoc Primary Advisor, Amelia Hine, “Baselines and Biofutures.” Helmholtz Institute for Functional Marine Biodiversity (HIFMB).
- 2022-25 Postdoc Secondary Advisor, Satya Savitsky, “‘Invasibility’ and marine organisms: Managing the mobilities of marine organisms,” HIFMB.
- 2021-24 Ph.D. Primary Advisor, Solomon Sebuliba, “Biodiversity in the High Seas,” University of Oldenburg (UO).
- 2021-24 Ph.D. Primary Advisor, Merdeka Agus Saputra, “Seabed Mining in Indonesia Amidst Broader Benthic Geopolitics,” UO.
- 2021-24 M.Sc. Primary Advisor, Alyssa D. Delarosa, “Earth system justice and virtual nature in the carceral.” University of Twente.
- 2021-24 Ph.D. Secondary Advisor, Soli Levi, “Emotional Governance: The place of feelings in marine management.” UO.
- 2021-24 Ph.D. Secondary Advisor, Vani Sreekanta, “Southern Ocean in Excess: Fluid Places, Frozen Governance.” UO.
- 2021-22 B.S. Thesis Advisor, Environmental Sciences, Keven Rosenboom, “Capitalism and the Ecological Rift in the Industrial Aquaculture of *Octopus vulgaris*,” UO.
- 2022 Internship Advisor, Jannik Reinema, “The disconnected definitions of California’s water: An exploration of the colonial ideology behind today’s water problems”, Env Sci, UO.
- 2022 Internship Advisor, Anne Wolfgramm, “The emerging industry of deep-sea mining and social perspectives in the Kingdom of Tonga.” Env Sci, UO.
- 2020 Team Advisor, National Renewable Energy Laboratory, Collegiate Wind Competition, Cal Maritime policy team students.

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- 2019 M.S. Thesis Examiner, Emerald Naylor, “More than Sun and Pineapples: A Look into the Culture of Astronomical Sciences in Hawai’i,” UPEI.
- 2017 B.A. Thesis Supervisor, Lizzie Orr “Legal Construction of Ocean Jurisdictions,” Global Studies, CSUM.

PROFESSIONAL DEVELOPMENT

- 2018 All Hands on Deck: National Ocean Exploration Forum. MIT Media Lab, Cambridge MA, 8-10 Nov.
- 2018 National Science Foundation *COMPASS Science Communication Workshop*. Estuary & Ocean Science Center, Tiburon, CA. 17-18 Oct.
- 2017 National Science Foundation, *Center for Research, Excellence, and Diversity in Team Science (CREDITS)*. Lake Arrowhead, CA, 12–14 Oct.
- 2016 University of California Humanities Research Institute (UCHRI), *Oceanic Ecologies and Imaginaries*. UC Irvine, CA, 26 Jun–2 Jul.
- 2016 Slow Science Institute, *Critical Physical Geography: Proposal Writing*. Berkeley, CA, 26–28 Mar.
- 2015 AAG workshop, *Critical Physical Geography: Defining a Discipline*. Chicago, IL, 18-20 Apr.
- 2010 National Center for Atmospheric Research, *Weather and Society*Integrated Studies*. Boulder, CO, 5–13, Aug.
- 2008 University Corporation of Atmospheric Research, *4th Asian Space Conference & FORMOSAT-3/COSMIC*. National Taiwan Uni., Taipei, Taiwan.

SERVICE & OUTREACH

Professional

- 2024 Ad hoc reviewer: Cultural Geography.
- 2023 Forum co-organizer: *Contesting the Ocean Decade: Plural Provocations on the Universal Sea*. Society & Space.
- Ad hoc reviewer: Environment & Planning D: Society & Space
- 2022 Scientific Representative, HIFMB Steering Committee.
- Ad hoc reviewer: Territory, Politics, Governance;
Environment & Planning D: Society & Space.

- 2021 Scientific Representative, HIFMB Steering Committee.
Committee Co-Chair: Women's Network, APCG.
Ad hoc reviewer: Maritime Studies.
- 2020 Committee Co-Chair: Women's Network, APCG.
Ad hoc reviewer: Political Geography;
Human Rights & Environment.
- 2019 Committee Co-Chair: Women's Network, APCG.
Nominations committee: APCG.
Ad hoc reviewer: Environment & Planning C: Politics & Space;
Environment & Planning E: Nature & Space;
Sustainability Science.
- 2018 Committee Co-Chair: Women's Network, APCG.
Nominations committee: APCG.
- 2018 Reader: College Board AP Human Geography.
Reviewer: National Science Foundation graduate proposals.
Ad hoc reviewer: Geography Compass;
Environment & Planning D: Society & Space;
International Social Science Journal;
Political Geography;
Routledge.
- 2017 Ad hoc reviewer: Environment & Planning A: Economy and Space.
- 2015 Ad hoc reviewer: Island Studies Journal.

University

- 2019-20 Curriculum development, Environment & Ocean Studies program, CSUM.
- 2017-20 Political action committee chair, California Faculty Association, CSUM.
- 2017-20 Assessment, The Institution-Wide Assessment Council, CSUM.
- 2017 Search committee, Global Studies & Maritime Affairs Chair, CSUM.
- 2016-18 Curriculum assessment, department learning committee, CSUM.
- 2015 Search committee, associate dean for research, Social & Behavioral Sciences, University of Arizona (UA).
- 2011-15 Judge, Graduate & Professional Student Council Travel Grant, UA.
- 2011 Development committee, newsletter, alumni fundraising. School of Geography & Development, UA.

Community

- 2017-18 Speaker, Visions of the Wild. Film and Arts Festival, Vallejo, CA.
- 2017-18 Organizer, Maritime Film Festival, CSUM.
- 2017 Speaker, International training program for Delegation from Hainan Province, San Francisco State University.
- 2017 Speaker, International training program for Huaihai Institute of Technology, SFSU.
- 2014 Organizer, McGuinness Foundation seabed mining roundtable. Wellington, NZ.
- 2012 Judge, South Side Community School Science Fair, Tucson, AZ.
- 2012 -11 Speaker, STEM Camp: Interact with Air, Land, & Sea. AZK-12 Center.
- 2010 Founding member, Tucson Aquatic Enthusiast Society. Tucson, AZ.

Professional Membership

- Association of American Geographers (AAG)
- Association of Pacific Coast Geographers (APCG)
- International Geographical Union (IGU)
- Institute of Australian Geographers (IAG)
- International Small Islands Studies Association (ISISA)
- Society for Social Studies of Science (4S)

LANGUAGE

- German: reading, beginner; writing, beginner; speaking, beginner.
- Spanish: reading, intermediate; writing, intermediate; speaking, conversational.

ADDITIONAL SKILLS

- Computer Skills: ArcGIS, ERDAS Imagine, Fortran, GrADS, IDL, iWork (Pages, Numbers, Keynote), LaTeX, Mathematica, Matlab, Microsoft Office (Word, Excel, Powerpoint), Nvivo, Unix.
- Other: NOLS Wilderness First Certified 2019, CITI Human Subjects Training renewed 2013; PADI open water SCUBA 2008, screen printing and design.