Katherine G. Sammler

Curriculum Vitae

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EDUCATION

2016 Ph.D. Geography
Minor in Remote Sensing & Spatial Analysis
Graduate Certificate in GIS.
School of Geography and Development, University of Arizona, Tucson, AZ.

2009 M.S. Atmospheric Sciences
Department of Atmospheric Sciences & Institute of Atmospheric Physics
University of Arizona, Tucson, AZ.

2005 B.S. Physics
Department of Physics
University of Oregon, Eugene, OR.

PROFESSIONAL EXPERIENCE

Academic Appointments

2026-27 Visiting Researcher, BRIN National Research & Innovation Agency/*Badan Riset dan Inovasi Nasional*, Center for Behavioral and Circular Economics Research/*Pusat Riset Ekonomi Perilaku dan Sirkuler*. Jakarta, ID.

2023-25 Tenured Assistant Professor of Environmental Knowledge, Technology, & Sustainability Studies, Department of Knowledge, Transformation, and Society, University of Twente, Enschede, NL.

2020-23 Research Lead, Marine Political Ecology Group, Helmholtz-Institute for Functional Marine Biodiversity (HIFMB) and Alfred Wegener Institute for Polar and Marine Research (AWI), at University of Oldenburg, DE.

2016-20 Assistant Professor, Global Studies & Maritime Affairs, California State University Maritime Academy (CSUM), Vallejo, CA.

Research Appointments

2013-14 Marine spatial planning, artisanal fisher co-ops for sustainable local governance, Gulf of California. Intercultural Center for Study of Desert and Oceans/*Centro Intercultural de Estudios de Desiertos y Océanos*, Puerto Peñasco, MX.

2009-11 Flood data analysis, web & GIS platforms for bi-directional stakeholder communication. Flood Hydroclimatology of Arizona, Climate Assessment of the Southwest (CLIMAS), University of Arizona, Tucson, AZ.

2008-10 Editor, Border Climate Summary, data, infographics, workshops for quarterly bi-national US & MX border region, Udall Center for Public Policy and the Institute of the Environment, University of Arizona, Tucson, AZ.

2008-09 Modeling O^3 Measurement of GPS Radio Occultation for Atmospheric Temperature, Ozone, and Moisture Microwave Spectrometer (ATOMMS) satellite proof of concept. Atmospheric Sciences, University of Arizona, Tucson, AZ.

Publications

Refereed Journal Articles

(*undergraduate student co-author, **graduate student co-author)

2026 Saputra, Novianti, Thufail & Sammler. The paradox of sensing: Indonesian seabed mining sense-ability and insensitivity to benthic habitat degradation. *Geoforum* 174:104674, https://doi.org/10.1016/j.geoforum.2026.104674.

2025 Sebuliba** & Sammler. Governing biodiversity: ambiguity and fragmentation in the BBNJ Agreement. *Ocean & Coastal Management*, 270:107913. https://doi.org/10.1016/j.ocecoaman.2025.107913.

2025 Sebuliba,** Elma & Sammler. "Our fish are not your marine biodiversity": tensions in integrating fisheries into the BBNJ Agreement. *npj Ocean Sustainability*, 4(44):1–10. https://doi.org/10.1038/s44183-025-00142-5.

2025 Hine, Brinkhoff, Pasco Bolta, Peters, Sammler & Tietje. Sedimentary relations: cultures of access and the matter of shallow seabed coring. *Cultural Geographies*, 32(2):295–304. https://doi.org/10.1177/14744740241293105.

2025 Saputra** & Sammler. Volumetric, embodied, and granular geopolitics of the seabed: offshore tin mining in Indonesia. *Territory, Politics, Governance*, 13(10): 1442–1460. https://doi.org/10.1080/21622671.2024.2334821.

2024 Sammler. Intimate outer space: towards a politics of gravity, waste, and the spatial orientation of bodies. *GeoHumanities*, 10(1), 171–191. https://doi.org/10.1080/2373566X.2024.2325947.

2023 Sammler & House-Peters. Unblackboxing mediation in the digital mine. *Geoforum*. 141:103745. https://doi.org/10.1016/j.geoforum.2023.103745.

2023 Sammler & Peters. Contesting the Ocean Decade: plural provocations on the universal sea. *Society & Space*. https://www.societyand space.org/forums/contesting-the-ocean-decade-plural-provocations-on-the-universal-sea.

2022 Sammler & 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 & 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 & Lynch.** Spaceport America: contested offworld access and the everyman astronaut. *Geopolitics*, 26(3):704–728. In special issue: Human rights & 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

2025 Savitzky, Peters & Sammler. "Bordering marine belonging: the meanings, mobilities and materialities of bioinvasion." pp. 173-196 in Peters & Turner (eds.), Ocean Governance (Beyond) Borders. London, UK: Palgrave Macmillan. Open Access. https://link.springer.com/book/10.1007/978-3-031-71322-4

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. https://www.dukeupress.edu/blue-legalities.

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. https://doi.org/10.4324/9781315686202.

2017 Stratford, Sammler, Murray, Dean, Green, Nunn, Karides, Bade, Fielding, Pugh & Royle. "Conversations on human geography and island studies" pp. 144–159 in Stratford (ed.), Island geographies: Essays and conversations, Routledge.

Conference Proceedings

2018 Parker, Dewey, Runyon, Reiman, Sammler, & Burback. Developing and enhancing a university-level ocean science curriculum that supports ocean literacy for future ocean leaders. *American Geophysical Union, Ocean Sciences Meeting*, Portland, OR, 11-16 Feb, pp. 2477:ED44B. https://ui.adsabs.harvard.edu/abs/ 2018AGUOSED44B2477P/abstract.

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. In Xiong, X. J., Kuriakose, S. A., and Kimura, T., (eds.), *Earth Observing Missions and Sensors: Development, Implementation, and Characterization IV*, volume 9881, page 98810Z. International Society for Optics and Photonics, SPIE. https://doi.org/10.1117/12.2224038.

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. The Active Temperature, Ozone and Moisture Microwave Spectrometer (ATOMMS), a new global climate sensor, *IEEE International Geoscience and Remote Sensing Symposium*, Honolulu, HI, USA, pp. 2952-2955, https://doi.org/10.1109/IGARSS.2010.5653877.

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. https://www.nrao.edu/meetings/isstt/papers/2010/2010186194.pdf

2009 AlBanna, Groppi... Kursinsk, Otarola, Ward, Sammler, et al. A Single 30 cm aperture antenna design for the operation of 2 widely separated frequency bands for ATOMMS. *20th Intl. Symposium on Space Terahertz Tech.*, Charlottesville, VA 20-22 Apr. https://www.nrao.edu/meetings/isstt/papers/2009/2009230237.pdf.

2008 Kursinski, Ward, Otarola, Sammler, et al. Active Temp, O3 & Moisture Microwave Spectrometer (ATOMMS), *ECMWF GRAS SAF GPS radio occultation*. Shinfield, UK. 16-18 Jun. https://www.nrao.edu/meetings/isstt/papers/2009/2009230237.pdf

Book Reviews

2017 Sammler. Seascapes: Shaped by the sea eds. Brown & Humberstone. *Canadian Geographer/Le Géographe canadien* Apr 61(2). https://doi.org/10.1111/cag.12370.

2013 Sammler. Island enclaves: Offshoring, creative gov.& subntl.island jurisdictions, Baldacchino. *Cultural Geogs.* 20(2):262. doi.org/10.1177/1474474013478369.

2013 Sammler. Island enclaves, Baldacchino.*Current Issues in Comparative Edu.* 15(1):182-4. www.tc.columbia.edu/i/a/document/25996_15_01_BR_Island-Enclaves.pdf.

Manuscripts in Submission

2026 Hine, Peters, Sammler. Common access to a common resource? Excessive practices for engaging shared seabeds. *Progress in Environmental Geography.*

2026 Rosenboom*, Sammler & Poole. The octopus and industrial aquaculture: between exploitation, alienation, and resistance. *Antipode.*

2027 Hine, Peters & Sammler "Voyage to the seabed: An experiential guide to the deep ocean floor." *Bristol University Press.*

Manuscripts in Preparation

2026 Peters, Hine, Sammler. Next stop ocean governance?: A response to Jamieson et al.'s 2025 "Reconsidering the term 'deep sea"'.

2026 Saputra & Sammler. Plumes as colonial inheritance in Indonesia's offshore mining.

2026 Sammler. Where does a mountain end? Mt. Taranaki's personhood, granularity, & downstream extraction.

Public Scholarship & Outreach

2026 Expert, interviewed for public radio *The World*, segment "The coastline paradox" by M. Werman & H. Chanatry, 20 Apr. https://theworld.org/segments/2026/04/20/the-coastline-paradox.

2026 Expert, interviewed for podcast *Anti-Dystopians*, episode "Astronauts on Strike! Spaceports, Colonial Telescopes and Labor Unions in the Stars" by A. Utrata, 20 Feb. https://alinautrata.substack.com/p/astronauts-on-strike-spaceports-colonial.

2024 Expert, interviewed for article: "What's the 'coastline paradox'?" by A. Sun. *LiveScience*, 11 Nov. https://www.livescience.com/planet-earth/whats-the-coastline-paradox.

2024 Expert, interviewed for article: "Pooping on the moon is a messy business" by B. Ferreira. *Wired*, 25 Jun. https://www.wired.com/story/pooping-on-the-moon-is-a-messy-business.

2024 Contributor, exhibition: "Insurgent seabed archive: curating seabed memories" by J. Galka. *Nanyang Technological University ADM Gallery*, Singapore & *TBA21–Academy Ocean Space*, Venice, Italy. https://ari.nus.edu.sg/jonathan-galka/.

2024 Contributor, zine. Sammler & Craciun. "Space poop." *GEOZONe*, https://geoz.one/zines/space-waste.

2023 Contributor, blog. Hetzler, Giraldo, Kunz, & Sammler. "Teufelsberg: More-than-Mountain." *AG Umweltethnologie: Deutschen Gesellschaft für Sozial-und Kulturanthropologie*. https://umweltethnologie.com/2023/02/08/teufelsberg-more-than-mountain.

2023 Contributor, zine. Marine Political Ecology Collective. "Seabed mining activity and coloring book." *GEOZONe*, https://geoz.one/zines/seabed-mining.

2020 Contributor, newsletter. Sammler. "A Marine Political Ecology Perspective." *HIFMB Newsletter* #01/21. https://hifmb.de/en/media/newsletter.

2019 Expert, consulted for video shorts: *What is Deep Sea Mining?* episodes "1: Tools for Ocean Literacy" & "4: A Deep Sea Mining Glossary," https://www.youtube.com/@inhabitants4307.

2018 Expert, interviewed for podcast *Flash Forward*, episode "Under the Sea" by R. Eveleth, 31 Jul. https://www.flashforwardpod.com/2018/07/31/under-the-sea.

2018 Contributor, online publication. Sammler. "Vibranium & the super nature of earthly materials." *Museum of the moving image: Sloan science & film.* http://scienceand film.org/articles/3065/vibranium-and-the-super-nature-of-earthly-materials.

2013 Contributor, newsletter. Sammler & House-Peters. "Tracing L.A.'s marine topographies: Climate, currents, & calamari." *AAG Newsletter* 48(1). https://www.geomentors.net/cs/news_detail_pressrelease_id-1940.html.

Awards & Honors

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

2016 Outstanding Teaching, Graduate Student Council, University of Arizona $100.

2015 Outstanding student paper, Tom McKnight & Joan Clemens Award, 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

2026 Fulbright Scholar Award. BRIN-Fulbright U.S. Scholar Research Award. PI: Sammler. *Governing the deep: Integrating Indonesian offshore management with changing international laws*, $50,000.

2024 Netherlands Ministry of Education, Culture and Science. Starter and incentive grant. PI: Sammler. *Political ecologies and technologies of seabed mining and benthic conservation*, €150,000.

2024 Agence Nationale de la Recherche-Deutsche Forschungsgemeinschaft. PIs: Fache & Breckwoldt. *A Sea of Connections: Valuing Reef Passages in the South Pacific Region*, €577,000.

2022 Akademie Der Wissenschaften in Hamburg. PIs: Schatz, Köster & Sammler. *Equity Perspectives on Global Ocean Law & 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.

2018 Instructionally Related Activities Grant, CSUM. *Support undergraduate students to present research at the APCG conference Reno, NV.* $1,750.

2018 AAG-NSF junior scholar travel grant. International Geographical Union, Quebec, CA. $1,400.

2017 Research, Scholarship and Creative Activities Award, CSU. *Colonial pasts and futures atop Hawaii's sacred peaks*, $4,300.

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 Research, Scholarship and Creative Activities Award, CSU. *Legal construction of ocean jurisdictions*, $1,500.

2016 Instructionally Related Activities Grant, CSUM. *GPS Coastline Measurement and Mapping. Purchase of GPS units for GIS Mapping & Spatial Analysis*, $1,500.

2016 AAG-NSF junior scholar travel grant. International Geographical Union, Beijing, CN. $2,000.

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.

2014 Arizona Social & Behavioral Sciences Research Institute, Dissertation grant. *Environmental governance of the Deep: Pacific seabed mining*, $1,500.

2014 Islands of the World Conference–Penghu Island, Taiwan. $1500.

2014 Arizona Graduate and Professional Student Council, research grant. *Environmental governance of the deep: Pacific seabed mining*, $1,000.

2009 Science Foundation Arizona. Graduate Research Fellowship, $30,000.

Invited Speaker

2026 Universitat de les Illes Balears, ERC Project Ocean Crimes Narratives, *Seas of Consequences*, Mallorca, ES, 15-17 Apr.

2026 University of Oxford St John's College, *Critical Narratives of Outer Space Workshop*, Oxford, UK, 9-10 Apr.

2026 Ghent University, *Interdisciplinary pathways for ecological and social resilience*, winter school, Ghent, BE, 2-6 Feb.

2025 University of Graz, Department of Geography and Regional Science, *Geo Kolloquium*. Graz, AT, 20 Mar.

2025 STS-Hub conference, Plenary speaker, *Diffracting the Critical*, Berlin DE, 11 Mar.

2024 Humboldt-Universität zu Berlin, Cluster of Excellence: Matters of Activity. *Critical Times. Part II: Ecologies of Relation*, Rotterdam NL, 12 Apr.

2023 University of York, *Spaceports: Places, Promises, Politics*. York, UK, 2 Nov.

2023 Lancaster University, *Aqueous Futures Project: Morecambe Bay Milieux*. Morecambe, UK, 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 Apr.

2023 Hanse-Wissenschaftskolleg 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. *Department seminar*. Virtual, 11 Nov.

2020 Moss Landing Marine Laboratory, *Seminar series*. Moss Landing, CA, 5 Mar.

2018 Visions of the Wild: Film & Arts Festival. *Lecture tour on the Carquinez Strait*, Vallejo, CA, 23 Sep.

2018 Leibniz Center for Tropical Research. *Seminar speaker*. Bremen, DE, 20 Jun.

2018 New Museum Triennial: Songs of Sabotage. *New frontiers: extractivism & activism*. New York, NY, 17 Feb.

2017 San Francisco State University, College of Extended Learning. *International training program for delegation from Hainan Province*. San Francisco, CA, 25 Sep.

2017 Visions of the Wild Festival. *Lecture tour on Carquinez Strait*, Vallejo, CA, 10 Sep.

2017 Maritime National Historical Park, *Blue Room lecture series*. San Fr., CA, 29 Jul.

2017 SF State University, College of Extended Learning, *Huaihai Institute international training*. San Francisco, CA, 21 Jul.

2017 University of California Berkeley, International and Area Studies, *The view from the sea: Oceans in world history*. Berkeley, CA, 28 Jun.

2015 National Science Foundation *East Asia Pacific Summer Institute orientation*. Arlington, VA, 3 Apr.

Conference Participation

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 workshope*. Universität Hamburg, 7 Sep.

2021 Organizing Committee, *3rd Symposium on Functional Marine Biodiversity*. 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 & Sammler. Spatializing 'Intelligence' *AAG*, virtual, 7–11 Apr.

2020 Sammler & House-Peters. Thinking with portals I & II. *AAG*, virtual, 6–10, Apr.

2018 Swann-Quinn & Sammler. Assembling benthic power I & II. *AAG*, DC, 3–7, Apr.

2017 Sammler & Sugg. Multispheres: Legal & political geographies of geophysical interfaces, I & II. *AAG*, Boston, MA, 5–9, Apr.

2016 Sammler. Point, line, plane, volume: Increasing dimensionality in geographic inquiry. *AAG*, San Francisco, CA, 29 Mar–2 Apr.

2013 Sammler & Nurmi. Writing spaces of exception: The implications of illegible geographies. *AAG*, Los Angeles, CA 9–13 Apr.

Session Discussant

2024 "Art-science collaboration" with Ruth Brennan. University of Twente NL. 30 Apr.

2020⋆ "Somatic States: On Cartography, Geobodies, Bodily Integrity" by Franck Billé. *Territory, Politics, Governance* Annual Lecture. *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.

Select Papers Presented

2024 Hine & Sammler. Weeping, crizzling, pickle jars: glass as mediator for museological benthic knowledge. *Royal Geographical Society* (RGS), London, UK 27–30 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, & spatial orientation of bodies. *NYU Discard Studies: Exploring disposal's past, present, & future*, NY, NY, 15–17 Sep.

2022 Sammler. Most-human: How models of 'intelligence' codify (de)humanization. *RGS*. Newcastle, UK. 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 Sammler. Unruly Taranaki: Tracing sands from seabed to summit. *Exploring Unruly Sites of More-than-Human Entanglements*. Freie Univ. Berlin, 19–20 May.

2022 Sammler & Hartman. Arctic Magnetograms: Stitches in Space.. *American Association of Geographers (AAG)*. virtual, 25 Feb–1 Mar.

2021 Sammler & Laketa. Space poop challenge: Gravity, waste and bodies. *Everybody's Business: Toilets as a Contested Space*. Humboldt University, Berlin 18–20 Nov.

2021 Lynch & Sammler. Spatializing 'Intelligence': Techno-Logics of SETI and AI. *AAG*, Online, 7–11 Apr.

2021 House-Peters & Sammler. Digital ecologies of the smart mine. *Digital Ecologies*, virtual, 29–30 Mar.

2021 Sammler & House-Peters. The Rise of Mining Robots: New Sensing Technologies for Iron Extraction. *Society for Cinema & Media Studies*. virtual, 17–21 Mar.

2020 Sammler. The Road to Mars. *AAG*, virtual, 6–10, Apr.

2019 Sammler. Intimate outer space: Gravity, waste & the spatial orientation of bodies. *Association of Pacific Coast Geographers (APCG).* 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 Sammler. Colonial pasts and futures atop Mauna Loa and Mauna Kea. *International Geographical Union* (IGU), Quebec City, CAN, 6–10 Aug.

2018 Sammler. Drawing a line in the sand: The rising politics of sea level. *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 & Lynch. Spaceport America: Contested offworld access & the everyman astronaut. *AAG*, Boston MA, 5–9, Apr.

2017 Sammler. Material, technical, & political constructions of sea level. *AAG*, Boston MA, 5–9, Apr.

2016 Sammler. Territory, sovereignty and political geometry in the Pacific Ocean. *IGU*, 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.

Campus Talks

2023 *Sensing, mediation and automation in seabed mining.* Faculty of Knowledge, Transformation, and Society snapshot seminar, U Twente, 20 Jun.

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, Feb 22.

2015 *Seabed mining prospects in New Zealand.* Society of Earth Science Students, geosciences undergraduate club, University of Arizona, 9 Oct.

Teaching Experience

Graduate Courses

2023-24 Technology & Social Control. Twente [co-taught].
2023-24 Master's Thesis Writing Lab. Twente [co-taught].
2021-23 Science & Society. Oldenburg.
2011 Computer Cartography (ArcGIS). Arizona.

Undergraduate Courses

2024 Environmental Values & Sustainable Transformation. Twente [co-taught].
2024 Sustainability and Technology. Twente.
2021-23 Global Climate Change: Challenges & Perspectives. Oldenburg [co-taught].
2018-20 Ocean Environmental Management. CSUM.
2017-20 Comparative Maritime Policies. CSUM.
2017-20 GIS Mapping & Spatial Analysis (ArcGIS). CSUM.
2019 Political Geography. CSUM.
2019 Citizen Environmental Science. CSUM.
2016-19 Ocean Politics. CSUM.
2017,19 International Experience. CSUM [Vietnam, New Zealand].
2015-19 Environment and Society. Arizona, CSUM
2016 Comparative Politics. CSUM.
2016 Our Diverse Biosphere. Arizona [teaching assistant].
2015 Political & Cultural Geography of Globalization. Arizona [teaching assistant].
2015 Introduction to Sustainable Development. Arizona [teaching assistant].
2015 Our Changing Climate. Arizona [online].
2014-15 Introduction to Physical Geography. Arizona [online].
2013 Environmental Policy. Arizona [online].
2012,15 Our Dynamic Landscape. Arizona.

2012 Geog. Applications of Remote Sensing (ERDAS). Arizona [lab instructor].
2012 GIS for Natural & Social Sciences. (ArcGIS). Arizona [lab instructor].
2011 Introduction to Remote Sensing (ERDAS). Arizona [lab instructor].
2007-08 Weather and Climate. Arizona [teaching assistant].

Mentorship

Postdoctorate

2023-26 Primary advisor, Amelia Hine, "Baselines and Biofutures." Helmholtz Institute for Functional Marine Biodiversity (HIFMB).
2022-23 Secondary advisor, Satya Savitsky, "'Invasibility' and marine organisms: Managing the mobilities of marine organisms," HIFMB.

Doctorate

2022-26 Secondary advisor, Vani Sreekanta, "Southern Ocean in Excess: Fluid places, frozen governance." University of Oldenburg (UO).
2022-25 Secondary advisor, Soli Levi, "Listening With Feeling: Setting the course for an emotional marine governance." UO. https://oops.uni-oldenburg.de/7240/.
2021-25 Primary advisor, Solomon Sebuliba, "Biodiversity, scale and spatial differences in the governance of areas beyond national jurisdiction," UO. https://oops.uni-oldenburg.de/7139/.
2021-24 Primary advisor, Merdeka Agus Saputra, "Go offshore, go deeper: Benthic geopolitics off the Bangka and Belitung Islands, Indonesia" UO. http://oops.uni-oldenburg.de/7036.

Masters

2023-24 Thesis supervisor, Alyssa Delarosa, "A just Earth system boundary." Philosophy of Sci, Tech & Society MSc., U Twente, NL. https://essay.utwente.nl/103203.
2019 Thesis examiner, Emerald Naylor, "More than Sun & Pineapples: The Culture of Astronomical Sciences in Hawai'i," Island Studies M.A., U of Prince Edward Island, CA. https://islandscholar.ca/islandora/object/ir:22892.

Undergraduate

2021-22 Thesis advisor, Keven Rosenboom, "Capitalism and the Ecological Rift in the Industrial Aquaculture of *Octopus vulgaris*," B.S. Environmental sciences, UO.
2022 Internship advisor, Jannik Reinema, "Definitions of water: An exploration of colonial ideology & California's water problems," Environmental sci., UO.
2022 Internship advisor, Anne Wolfgramm, "The emerging industry of deep-sea mining and social perspectives in Kingdom of Tonga." Environmental. sci., UO.
2020 Team advisor, National Renewable Energy Laboratory, Collegiate Wind Competition, Cal Maritime policy team students.
2017 Thesis supervisor, Lizzie Orr "Legal Construction of Ocean Jurisdictions," B.A. Global Studies & Maritime Affairs, CSUM.

Service & Outreach

Professional

2025-26 Reader: College board AP Human Geography.

2023 Forum co-organizer, Society & Space.

2021-23 Scientific representative, HIFMB Steering Committee.

2018-21 Committee co-chair: Women's Network, APCG.

2018-19 Nominations committee: APCG.

2018 Reader: College board AP Human Geography.

2018 Reviewer: National Science Foundation graduate research proposals.

Ad hoc reviewer: Cultural Geographies; EPA: Economy & Space; EPC: Politics & Space; EPD: Society & Space; EPE: Nature & Space; Extractive Industries and Society; Geography Compass; Human Rights & Environment; International Social Science Journal; Island Studies Journal; Maritime Studies; Political Geography; Progress in Human Geography; Routledge; Science, Technology, & Human Values; Sustainability Sci.; Territory, Politics, Governance.

University

2019-20 Committee, Gender Equity on Campus, CSUM.

2019-20 Lead, Curriculum development, Environment & Ocean Studies program, CSUM.

2017-20 Chair, Political action committee, California Faculty Association, CSUM.

2017-20 Committee, The Institution-Wide Assessment Council, CSUM.

2017 Committee, Global Studies & Maritime Affairs chair search, CSUM.

2016-18 Committee, Department curriculum assessment, CSUM.

2015 Committee, Dean of research search, Soc. & behavioral sci., U Az.

2011-15 Judge, Graduate & Professional Student Council Travel Grant, U Az.

Community

2021 Panelist, Hydrofeminism exhibit. Uni. of Arts & Design, Karlsruhe, DE.

2018 Speaker, New Museum Triennial: Songs of Sabotage. New York, NY.

2017-18 Speaker, Visions of the Wild. Film and Arts Festival, Vallejo, CA.

2017-18 Organizer, Maritime Film Festival, CSUM.

2017 Speaker, Maritime National. Historical Park, San Francicso, CA.

2014 Organizer, McGuinness Found. seabed mining roundtable. Wellington, NZ.

2012 Judge, South Side Community School Science Fair, Tucson, AZ.

2011-12 Speaker, STEM Camp: Interact with Air, Land, & Sea. AZK-12 Center.

Professional Membership

2010-25 Association of American Geographers (AAG)

2011-22 Association of Pacific Coast Geographers (APCG)

2014-22 International Small Islands Studies Association (ISISA)

Professional Development

2026 The Palestine Space Institute Workshop - *Bringing Humanity to the Stars*. Space Governance & Praxis, Jul 2 & 30.

2019 Faculty Learning Community, CSUM, *Teaching in a Makerspace*, 20-25 Sep.

2018 MIT Media Lab, *All Hands on Deck: National Ocean Exploration Forum*. Cambridge MA, 8–10 Nov.

2018 National Science Foundation, *COMPASS Science Communication Workshop*. Estuary & Ocean Science Center, Tiburon, CA, 17–18 Oct.

2018 Faculty Learning Community, CSUM, *Preventing Discrimination and Harassment in Education*, 24 Nov.

2018 California Faculty Association Equity Conference, *Antiracism and Unconscious Bias Workshop*, 15 Apr.

2018 Faculty Learning Community, CSUM, *Teaching Techniques: Making Accessible Learning*, 2-4 Mar.

2017 The Baldy Center for Law and Social Policy, SUNY. *Ocean Legalities: The Law and Life of the Sea*. Buffalo, NY, 23–24 Feb.

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 *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*. Normal Taiwan University, Taipei, TW, 1–4 Oct.

Language

English: Native speaker
German: CEFR level A1.2
Spanish: reading, intermediate; writing, intermediate; speaking, conversational.
Indonesian: beginner.

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 Aid Certified 2019; CPR certified 2019; CITI Human Subjects Training renewed 2013; PADI open water SCUBA certified 2008; linocut, screen printing, textile arts, and design.