

Katherine G. Sammler

Curriculum vitae

CONTACT INFORMATION University of Twente (+31) (0)53 489 7403
Drienerlolaan 5 k.g.sammler@utwente.nl
7522 NB Enschede, Netherlands www.saltygeographies.net

EDUCATION

- 2016 Ph.D., University of Arizona, School of Geography and Development
Advisor: Dr. Jeffrey Banister
Dissertation: National Governance of Offshore Volumes: Challenging Geopolitics and Geophysicalities.
Minor: Remote Sensing & Spatial Analysis, Graduate Certificate in GIS
- 2009 M.S., University of Arizona, Atmospheric Sciences
Advisor: Dr. E. Robert Kursinski
Thesis: The Accuracy of Profiling O_3 via Radio Occultation
- 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, Netherlands.
- 2020-2023 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, 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). GIS marine spatial planning with artisanal fisher co-ops for sustainable governance in Gulf of California.
- 2009-2011 Flood Hydroclimatology of Arizona, Climate Assessment of the Southwest (CLIMAS), University of Arizona. Analyzed historical flood data, flood frequency & magnitude, web and GIS platforms for bi-directional stakeholder communication.

-
- 2008-2010 Border Climate Summary, Udall Center for Public Policy and the Institute of the Environment, University of Arizona. Editor, bi-national climate quarterly. Interpreted climate content, made infographics, facilitated workshops in US & MX.
- 2008-2009 Modeling O³ Measurement of GPS Radio Occultation. Atmospheric Sciences, University of Arizona. Atmospheric Temperature, Ozone, and Moisture Microwave Spectrometer (ATOMMS) satellite proof of concept.

PUBLICATIONS

Refereed Articles

- 2023 Sammler K & House-Peters L. Unblackboxing mediation in the digital mine. *Geoforum*. <https://doi.org/10.1016/j.geoforum.2023.103745>.
- 2023 Sammler K & Peters K. 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 K & Hartman L. 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 K & Lynch C. 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 K & Lynch C. Spaceport America: Contested offworld access and the everyman astronaut. *Geopolitics*, 26(3):704–728. In special issue: Human rights & critical geopolitics of outer space. doi:10.1080/14650045.2019.1569631.
- 2020 Sammler K. The rising politics of sea level: demarcating territory in a vertically relative world. *Territory, Politics, Governance*, 8(5):604–620. doi:10.1080/21622671.2019.1632219.

Book Chapters

- 2020 Sammler K. “Kauri and the whale: Oceanic matter and meaning in New Zealand” pp. 63-84, in Braverman and Johnson (eds.), Blue legalities: The law and life of the sea, Durham, NC: Duke University Press.
- 2017 Sammler K. “The deep Pacific: Island governance and seabed mineral development” pp. 10-31, in E. Stratford (ed.), Island geographies: Essays and conversations, New York, NY: Routledge. 198pp.

Conference Proceedings

- 2016 Kursinski ER, 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 and Sensors: Development, Implementation, and Characterization IV*, 98810Z. New Delhi, India 2 May. <https://doi.org/10.1117/12.2224038>.
- 2015 Sammler K. From Ocean Abyss to Vacuum of Space: Privatization in the Vertical Commons. *Association of Pacific Coast Geographers*, Palm Springs, CA 21-24 Oct.
- 2010 Kursinski ER, 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* (p. 2952-2955). Honolulu, HI, 25–30 Jul. <https://doi.org/10.1109/IGARSS.2010.5653877>.
- 2010 Kursinski ER, 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 S, 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. <https://www.nrao.edu/meetings/isstt/papers/2009/2009230237.pdf>.
- 2008 Kursinski ER, 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. <https://www.nrao.edu/meetings/isstt/papers/2009/2009230237.pdf>

Book Reviews

- 2017 Sammler K. Book review of Seascapes: Shaped by the sea edited by Mike Brown & Barbara Humberstone. *The Canadian Geographer/Le Géographe canadien* April, 61(2). <https://doi.org/10.1111/cag.12370>.
- 2015 Sammler K. Territory as political technology: review of Stuart Elden's *The birth of territory*. *Contrivers' Review* 2 Mar. <http://www.contrivers.org/reviews/11>.

- 2013 Sammler K. Book review: Island enclaves: Offshoring, creative governance and sub-national island jurisdictions by Godfrey Baldacchino. *Cultural Geographies* 20(2): 262. <https://doi.org/10.1177/1474474013478369>. and in *Current Issues in Comparative Education* 15(1): 182-184.
www.tc.columbia.edu/i/a/document/25996_15_01_BR_Island-Enclaves.pdf.

Manuscripts in Submission

- 2023 Sammler K (in revision) From mountain to sea: Socio-political orogenesis and granular geographies of Mt. Taranaki, Aotearoa New Zealand.

Manuscripts in Preparation

- 2023 Sammler K Gravity Politics: Analog habitats, habitants, and the orientation of bodies.
- 2024 Lynch C & Sammler K. Spatializing “Intelligence” from animal to AI.
- 2024 Coles A, Sammler K, Bien K. Sediment transport and the implications for Vietnam’s territorial sovereignty.

Other Publications

- 2023 Hetzler D, Giraldo C, Kunz Y, Sammler K. Teufelsberg: More-than-Mountain. *AG Umweltethnologie*.
<https://umweltethnologie.com/2023/02/08/teufelsberg-more-than-mountain>
- 2020 Sammler K. A Marine Political Ecology Perspective. *HIFMB Newsletter* #01/21.
<https://hifmb.de/en/media/newsletter/>.
- 2018 Sammler K. Vibranium and the super nature of earthly materials. *Museum of the Moving Image: Sloan Science & Film*.
<http://scienceandfilm.org/articles/3065/vibranium-and-the-super-nature-of-earthly-materials>.
- 2013 Sammler K. and House-Peters L. Tracing L.A.’s marine topographies: Climate, currents, & calamari. *Assoc. of Am. Geographers Newsletter* 48(1).

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, environmental sustainability, \$30,000.

Research Grants

- 2022 Akademie Der Wissenschaften in Hamburg (Academy of Sciences 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 (RSCA), CSU Chancellor's Office. *Hydro-Social Atmospheric water management in Western U.S.*, \$4,700.
- 2018 RSCA, CSU Chancellor's Office. *From mountains to sea: Sovereignty and nature in Aotearoa New Zealand*, \$5,000.
- 2017 RSCA, *Colonial pasts and futures atop Hawaii's sacred peaks*, \$4,300.
- 2016 RSCA. *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 (IRA), CSU Maritime. Support undergraduate students to present research at the Association of Pacific Coast Geographers conference in Reno, NV. \$1,750.
- 2017 IRA Grant. 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. *Ocean Politics increased freshman retention*, \$1,000.
- 2016 IRA Grant. *GPS Coastline Measurement and Mapping. Purchase of handheld GPS units for GIS Mapping & Spatial Analysis*, \$1,500.

External Travel Grants

- 2018 AAG-NSF junior scholar. International Geographical Union, Quebec \$1,400.
- 2016 AAG-NSF junior scholar. International Geographical Union, Beijing \$2,000.
- 2015, 2012 Women's Network, Association of Pacific Coast Geographers. \$200.
- 2014 Islands of the World Conference—Penghu Island, Taiwan. \$1500.

INVITED SPEAKER

- 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, Germany, 20 Jun.
- 2018 Mining the deep sea frontier, 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

- 2022 Sammler, K. Most-human: How non-human animal models of ‘intelligence’ codify (de)humanization. *Royal Geographical Society*. Newcastle. 30 Aug-2 Sep.
- 2022 Sammler, K. Anthropocene islanding: granular geographies of material and political processes. *Islands of the World*. Zadar, Croatia. 13-17 Jun.
- 2022 Hartman, L. and Sammler, K. Arctic Magnetograms: Stitches in space. *Mediating Arctic Geographies: Contemporary Imaginaries of the Circumpolar World*, Tampere University, Finland, 9-11 Jun.
- 2022 Sammler, K. Summit to seafloor: Sediment flows from Mt. Taranaki, Aotearoa New Zealand. *European Society for Oceanists*. Ajaccio, France, 2-5 Jun.
- 2022 Sammler, K. Unruly Taranaki: Tracing sands from seabed summit. *Exploring Unruly Sites of More-than-Human Entanglements*. Freie Universität Berlin, 19-20 May.
- 2022 Sammler, K. and Hartman, L. Arctic Magnetograms: Stitches in Space.. *American Association of Geographers (AAG)*. Virtual NY, 25 Feb-1 Mar.
- 2022 Bien, K., Coles, A., Sammler K. Sediment transport and the implications for Vietnam’s territorial sovereignty. *AAG*. Virtual New York, NY, 25 Feb-1 Mar.

- 2021 Sammler, K. and Laketa, S. Space poop challenge: Gravity, waste and bodies. *Everybody's Business: Toilets as a Contested Space*. Humboldt University, Berlin 18-20 Nov.
- 2021 Sammler, K. Granular geographies and oroimaginaries of Mt. Taranaki, Aotearoa NZ. *Association of Pacific Coast Geographers*, Virtual San Diego 14-16 Oct.
- 2021 Lynch C. and K. Sammler. Spatializing 'Intelligence': Techno-Logics of SETI and AI. *AAG*, Online, 7–11 Apr.
- 2021 Sammler K. and L. 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 K. The Road to Mars. *AAG*, Denver, CO°, 6–10, Apr (°Moved to virtual).
- 2019 Sammler K. Intimate outer space: Gravity, waste & the spatial orientation of bodies. *Association of Pacific Coast Geographers*. Flagstaff, AZ, 16–19 Oct.
- 2019 Sammler K. Entangled Elements: Between Sand & Sea. Society for Social Studies of Science. New Orleans, LA 4–7 Sep.
- 2019 Sammler K. From mountain to sea: The erosion & extraction of sovereign sands. Institute of Australian Geographers. Hobart, Tasmania, 9–13 Jul.
- 2019 Sammler K., L. House-Peters, C. Lynch. Bots not bodies: Analogs and robots in hostile environments. *AAG*. Washington DC, 3–7 Apr.
- 2019 House-Peters L., K. Sammler, C. Lynch. The 'robot' in the coal mine: Emerging regimes of extractivism in the robotic age. *AAG*. Washington DC, 3–7 Apr.
- 2018 House-Peters L., K. 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 K., L. House-Peters. As above, so below (part 2): Frontier robots. *APCG*. Reno, Nevada, 24–27 Oct.
- 2018 Sammler K. Colonial pasts and futures atop Mauna Loa and Mauna Kea. *International Geographical Union*, Quebec City, Canada, 6–10 Aug.
- 2018 Sammler K. Drawing a line in the sand: The rising politics of sea level. *Shifting baselines, altered horizons: Politics, practices, and knowledge in environmental science and policy*. Max Planck Institute for the History of Science, Berlin, Germany, 21-22 Jun.
- 2018 Sammler K. Meta Earth, virtual Mars: Science & colonialism on Hawaiian mountains. *Islands of the World*. Terschelling, Netherlands, 10–14 Jun.
- 2018 Sammler K. Ship vs boat: Extractivism & activism at sea. *AAG*. New Orleans LA, 10–14 Apr.
- 2017 Sammler K. Fog, clouds, and rain: Incorporating the atmosphere into a hydrosocial framework. *APCG*, Chico CA, 26–28 Oct.

- 2017 Sammler K., Lynch, C. Spaceport America: Contested offworld access & the everyman astronaut. *AAG*, Boston, MA, 5–9, Apr.
- 2017 Sammler K. Material, technical, and political constructions of sea level. *AAG*, Boston MA, 5–9, Apr.
- 2016 Sammler K. Critical physical geography of sea level. *APCG*, Portland OR, 5–9 Oct.
- 2016 Sammler K. Territory, sovereignty and political geometry in the Pacific Ocean. *International Geographical Congress*, Beijing, China, 21–25 Aug.
- 2016 Sammler K. Common heritage or private commodity: Political geography of sea, air, & space. *AAG*, San Francisco CA, 29 Mar–02 Apr.
- 2015 Sammler K. From ocean abyss to vacuum of space: Privatization in the vertical commons. *APCG*, Palm Springs CA, 21–24 Oct.
- 2015 Sammler K. Subsuming the submerged: Producing seabeds as political territories. *AAG*, Chicago IL, 21–25 Apr.
- 2015 Sammler K. 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 K. Emerging resource management strategies and deep seabed mining in Pacific island nations. *Islands of the World*, Penghu, Taiwan 22–27 Sep.
- 2014 Sammler K. The deep Pacific: Island governance and seabed mineral development. *AAG*, Tampa FL 8–12 Apr.
- 2014 Sammler K. Sovereignty submerged: Pacific deep sea mining, governance, & accumulation. *Dimensions of Political Ecology*, Lexington KY 27 Feb–1 Mar.
- 2013 Sammler K. Ruin spreads over the deep: The production and materiality of ocean space. *AAG*, Los Angeles CA 9–13 Apr.
- 2012 Sammler K. Redolent of spheres: On ocean law and sovereignty. *APCG*, Olympia WA 3–6 Oct.

Posters Presented

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

Conferences Organized

- 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

- 2022 Hawkins, H., Sammler, K., House-Peters, L., Peters, K., Squire, R. Creating Depth? I-V. *AAG*. Virtual, 25 Feb-1 Mar.
- 2021 Lynch C. and K. Sammler. Spatializing ‘Intelligence’ *AAG*, Virtual, 7–11 Apr.
- 2020 Sammler K. and L. House-Peters. Thinking with portals I & II. *AAG*, Denver, CO°, 6–10, Apr (°Moved to virtual platform).
- 2018 Swann-Quinn J. and K. Sammler. Assembling benthic power I & II. *AAG*, Washington DC, 3–7, Apr.
- 2017 Sammler K. and Z. Sugg. Multispheres: Legal & political geographies of geophysical interfaces, I & II. *AAG*, Boston, MA, 5–9, Apr.
- 2016 Sammler K. and A. ElVilaly, Point, line, plane, volume: Increasing dimensionality in geographic inquiry. *AAG*, San Francisco, CA, 29 Mar–2 Apr.
- 2013 Sammler K. and T. 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 (*Postponed).
- 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 (*Postponed).
- 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

- 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.

INVITED WORKSHOPS

- 2023 Hanse-Wissenschaftskolleg (HWK) Institute for Advanced Study. *Turning Information into Knowledge: Sense-Making in Interdisciplinary Conversation*. Delmenhorst, DE, 23 Jan.
- 2022 NYU Gallatin School of Individualized Study. *Discard Studies: Exploring disposal's past, present, and future*. New York, NY, 15-17 Sep.
- 2021 University of Cambridge, Department of Geography. *Vital Geographies Research Group: Digital Ecologies*. Online, 29–30 Mar.
- 2018 Max Planck Institute for the History of Science. *Shifting Baselines, Altered Horizons: Politics, Practices, and Knowledge in Environmental Science and Policy*. Berlin, Germany, 21-22 Jun.
- 2017 National Science Foundation, *Center for Research, Excellence, and Diversity in Team Science (CREDITS)*. Lake Arrowhead, CA, 12–14 Oct.
- 2017 The Baldy Center for Law and Social Policy, *Ocean Legalities: The Law and Life of the Sea*. Buffalo, NY, 23–24 Feb.
- 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*. National Taiwan Uni., Taipei, Taiwan.

TEACHING EXPERIENCE

Primary Instructor

- 2021-23 Science & Society [hybrid].
- 2021-23 Global Climate Change - Facts, Challenges and Perspectives & Perception and Implementation in Research & Society [Co-taught modules].

- 2018-20 Ocean Environmental Management [Face-to-Face, in person class (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].

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, Merdeka Agus Saputra, “Seabed Mining in Indonesia Amidst Broader Benthic Geopolitics.” HIFMB, University of Oldenburg.

- 2021-24 Ph.D. Primary Advisor, Solomon Sebuliba, “Biodiversity in the High Seas.” HIFMB, University of Oldenburg.
- 2021-24 Ph.D. Secondary Advisor, Soli Levi, “Emotional Governance: The place of feelings in marine management.” HIFMB, University of Oldenburg.
- 2021-24 Ph.D. Secondary Advisor, Vani Sreekanta, “Southern Ocean in Excess: Fluid Places, Frozen Governance.” HIFMB, University of Oldenburg.
- 2022 B.S. Thesis Advisor, Keven Rosenboom, “Capitalism and the Ecological Rift in the Industrial Aquaculture of *Octopus vulgaris*.” Environmental Sciences, University of Oldenburg.
- 2022 B.S. Internship Advisor, Jannik Reinema, “The disconnected definitions of California’s water: An exploration of the colonial ideology behind today’s water problems.” Environmental Sciences, University of Oldenburg.
- 2022 B.S. Internship Advisor, Anne Wolfram, “The emerging industry of deep-sea mining and social perspectives in the Kingdom of Tonga.” Environmental Sciences, University of Oldenburg.
- 2020 Team Advisor, National Renewable Energy Laboratory, Collegiate Wind Competition, Cal Maritime policy team students.
- 2019 M.S. Thesis External Examiner, Emerald Naylor, “More than Sun and Pineapples: A Look into the Culture of Astronomical Sciences in Hawai’i.” in Island Studies at University of Prince Edward Island.
- 2017 B.A. Thesis Supervisor, Lizzie Orr “Legal Construction of Ocean Jurisdictions.” Global Studies, CSU Maritime.

SERVICE & OUTREACH

Professional

- 2023 Forum co-organizer: Contesting the Ocean Decade: Plural Provocations on the Universal Sea. *Society & Space*.
- 2022 Ad hoc reviewer: Territory, Politics, Governance; Environment & Planning D: Society & Space.
- 2021-22 Scientific Representative, HIFMB Steering Committee.
- 2021 Ad hoc reviewer: Maritime Studies.
- 2020 Ad hoc reviewer: Political Geography, Human Rights & Environment.
- 2019 Ad hoc reviewer: Environment & Planning C: Politics & Space; Environment & Planning E: Nature & Space; Sustainability Science.
- 2018-21 Committee Co-Chair: Women’s Network, Association of Pacific Coast Geographers (APCG).
- 2018-19 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.

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 Assessment, department learning committee, CSUM.

2015 Search committee, associate dean for research, Social & Behavioral Sciences, University of Arizona.

2011-2015 Judge, Graduate & Professional Student Council Travel Grant, UA.

2011 Development Committee, newsletter, alumni fundraising. School of Geography & Development, UA.

Community

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

2017-18 Maritime Film Festival organizer, CSUM.

2015 Founding member, Space Society science fiction reading group, Tucson, AZ.

2014 Organizer, McGuinness Foundation seabed mining stakeholder roundtable. Wellington, NZ.

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

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)

Native American and Indigenous Studies Association (NAISA)

Society for Cinema and Media Studies (SCMS)

Society for Social Studies of Science (4S)

LANGUAGE

Dutch: reading, beginner; writing, beginner; speaking, beginner.

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.