UNIVERSITY OF HAWAIʻI SYSTEM ANNUAL REPORT

REPORT TO THE 2019 LEGISLATURE

Annual Report on the
Hawaiʻi Research Center for Futures Studies

HRS 304A-3253

December 2018

Hawai‘i Research Center for Futures Studies Report

Pursuant to HRS 304A-3253, the University of Hawai‘i respectfully submits its report on the Hawai‘i Research Center for Futures Studies.

HAWAIʻI RESEARCH CENTER FOR FUTURES STUDIES
Activities for the year 2015-2016

Director

Jairus Grove
Department of Political Science
jairusg@hawaii.edu
1-808-956-8743

Faculty Associates

Debora Halbert
Associate Vice Chancellor for Academic Affairs
halbert@hawaii.edu

Noelani Kaʻopua-Goodyear
Department of Political Science
goodyear@hawaii.edu

Nicole Grove
Department of Political Science
nsgrove@hawaii.edu
Sarah Wiebe
Department of Political Science
swiebe@hawaii.edu

Jenifer Winter
School of Communications
jwinter@hawaii.edu

Graduate Research Associates

Michelle Brown mbrown74@hawaii.edu
Anna Butchart annabutc@hawaii.edu
Boyd DeLanzo delanzo@hawaii.edu
Shree Deshpande sdeshpan@hawaii.edu
Ari Eisenstat ari7@hawaii.edu
Ryan Ferguson ryanferg@hawaii.edu
Heather Frey hfrey@hawaii.edu
David Goldberg davidgol@hawaii.edu
Yeonhee Kim ykim8@hawaii.edu
Kenneth Gofigan Kuper kennethkuper@gmail.com
Andriy Levytskyy alevytsk@hawaii.edu
Mathew Markman markman@hawaii.edu
Billy Meinke wmeinke@hawaii.edu
Michael Miller millermf@hawaii.edu

Ali Musleh amusleh@hawaii.edu
Emily Pesicka eab613@hawaii.edu
Youngwoo Rhee rhee205@hawaii.edu
Elizabeht Seibel egseibel@hawaii.edu
Owen Shieh oshieh@hawaii.edu
Amy Sojot amysojot@hawaii.edu
Jacob Sotiriadis jsotiria@hawaii.edu
Tamara Swift swiftt@hawaii.edu
Zoe Vorsino zvorsino@hawaii.edu
Aubrey Yee aubreyy@hawaii.edu

2424 Maile Way, Room 617
University of Hawai‘i at Mānoa
Honolulu, Hawai‘i 96822 USA
Phone: 1-808-956-2888
Fax: 1-808-956-6877
Website: <http://www.futures.hawaii.edu>

INTRODUCTION

Since the last legislative report the Center has continued its tradition of collaborative faculty and student research, consultations, and workshops by the Center, both in Hawaii and internationally. In what follows is a selection of the activities undertaken by the Center. A detailed account of the work by the director, associates, and students working together under the auspices of the Hawai‘i Center for Futures Studies follows the end of the report. Over the past year we have added a new faculty researcher Dr. Sarah Wiebe. We have also tripled the number of graduate researchers bringing our number to twenty-four. We have researchers available to the Hawai‘i legislature and Governor's office with expertise in a range of emerging issue from blockchain technologies to artificial intelligence to regional and global changes in international relations and war and peace.

Selected Local Work

Jairus Grove appeared on ThinkTech Hawai‘i "The Will of the People" November 15th, 2018.

Jairus Grove and Ralph Cossa (Director of the Pacific Forum) held a public forum on the future of the North Korean nuclear weapons program at the Church of the Crossroads. March 10th, 2018.

Jairus Grove was interview for HPR "Politics of the Korean Conflict" March 7th, 2018.

Jairus Grove was interviewed for HPR "Futurist on Artificial Intelligence October 9th, 2018.

Jairus Grove was interviewed for HPR "Hate in Hawai‘i" January 12th, 2018.

Jairus Grove held a Futures presentation on the Asia-Pacific region for the East-West Center's Leadership Fellows program. December 4th, 2017

Selected National Work

Starting in September 2018, the Center began a partnership with the University of Rochester to help them design and begin a undergraduate certificate in Futures studies to be followed by an undergraduate minor Futures studies. In addition to meetings and discussions over skype Jairus Grove will be making a site visit to work with faculty at Rochester the week of March 1st 2019.

This year Dr. Jenifer Sunrise Winter obtained a National Science Foundation Grant titled, "Emergence of Organizational Forms of Data Governance in the Big Data Era" (Co-PIs Elizabeth Davidson and Victoria Fan) $215,000.

The center's project with the University of Sydney "The Q Effect" studying the future consequences of quantum computing received another $400,000 from the Carnegie Corporation, New York.

Selected International Work

At the invitation of the Korean Ministry of Foreign Affairs, Jairus Grove will be giving a series of talks at the Korean National Diplomatic Academy on the impact of the fourth industrial revolution for the futures of war and peace. December 10-13, 2018.

Jennifer Winter's book The Future Internet: Alternative Visions (Eds.). Cham: Springer. Was translated and published in Mandarin 珍妮弗·温特 [Jenifer Winter] & 良太小野 [Ryota Ono] , 郑常青 [Zheng Changqing, trans.] (译者). (2018). 未来互联网 [The future Internet]. 北京 [Beijing]: 电子工业出版社 [Publishing House of Electronics Industry]; 第 1 版 [1st edition] (2018 年 7 月 1 日).

Nicole Grove gave an invited talk at the World Social Science Forum in Fukuoka, Japan titled, "Big Data and security in the Gulf" September, 2018.

Nicole Grove took over as director for the Beirut Summer School for Critical Security Studies. June, 2018.

Nicole Grove received a research grant from the Arab Social Science Council for $7,000.

Jairus Grove represented the center at Presentation and Discussion of Quantum Computing Futures, discussants including Swedish Ambassador and James Der Derian, Director CSIS at the University of Sydney. December 1st, 2017

Jairus Grove represented the center at Roundtable, Futures of Cyber and Hybrid Warfare, Director of Hybrid Warfare, NATO; Italian Representative, NATO Military Council; Antoine Bousquet, University of Birkbeck. November 30th, 2017

Jairus Grove represented the center at Public Debate with General Petr Pavel, NATO Military Council. November 29th, 2017

Jairus Grove represented the center at Future Policy Roundtable, International Relations Institute of the Czech Republic with Ambassadors of Germany, U.S., Estonia, Latvia, U.K., and Hungary. November 28th, 2017

Jairus Grove represented the center at Meeting with Ambassador of Sweden, Prague, Czech Republic. November 28th, 2017

Jairus Grove represented the center at Futures of Security Meeting with the Ambassador of Austria, Prague, Czech Republic. November 28th, 2017

BACKGROUND OF THE CENTER

The HRCFS was established by the Hawai‘i State Legislature in 1971 to collect and disseminate information about futures studies and to conduct futures research for public and private groups within the State, the region, and throughout the world (Chapter 304A- 3253).

Locally, after thirty years within the Social Science Research Institute of UHM, the HRCFS is administered by the UHM Department of Political Science. The HRCFS thus works closely with the Alternative Futures Graduate Option in the Department. The Alternative Futures Option, created in 1977, has produced scores of women and men who have gone on to become successful professional futures consultants in many fields, locally, nationally, and worldwide. Their names are listed on the website of the Center www.futures.hawaii.edu . The Alternative Futures Option was listed as Number 17 among the "100 Contributions" recognized during the celebration of the 100th Anniversary of the University of Hawai‘i (Malamalama, Vol. 33, No. 2. May 2008, p. 4).

One component of the Alternative Futures Option has been a paid internship that many students experience with the Institute for Alternative Futures (IAF), in Alexandria, Virginia (one of the oldest and most respected futures consulting firms in the world), with the HRCFS itself, or with some other futures consulting firm, such as the Institute for the Future in Menlo Park, California.

The HRCFS also cooperates with the Program in Public Administration, the School of Architecture, the College of Education, and other University units as well as the Asian-Pacific Leadership Program of the East-West Center, on applied futures-oriented projects
in Hawai‘i and throughout the Asia-Pacific region.

Affiliates of the Center consult on request with local groups in government, education, business, and the nonprofit sector about futures-oriented issues.

Nationally, the HRCFS is a major futures resource. The HRCFS was responsible, with Institute for Alternative Futures, for the concept and development of “judicial foresight”-- incorporating futures studies into judicial administrative decision-making. This began with work done by the HRCFS with Chief Justice William Richardson and Court Administrator Lester Cingcade of the Hawai‘i State Judiciary from the 1970s onward. The State Justice Institute, a U.S. federal agency for state judiciaries, made the category “Futures and the Courts” one of its major funding categories during the decade of the 1990s specifically because of work done with and through the HRCFS and the IAF. Consequently, the HRCFS has engaged in judicial foresight activities indirectly with all, and directly with ten, other U.S. state judiciaries, as well as with the U. S. federal judiciary, many national and state bar associations, and with several foreign judiciaries and law-related entities, not only in the Asia-Pacific but also in The Hague. In addition,

the HRCFS consults with many other governmental units, universities, businesses, religious organizations, and nonprofit entities throughout North America.

Globally, the World Futures Studies Federation (WFSF), the premier world organization of groups and individuals conducting futures research at a professional level, chose the Center to house the WFSF Secretariat during the 1980s and early 90s, and awarded the HRCFS its highest honor for excellence in futures research in 1995. The Center continues to work closely with the WFSF and with the Association of Professional Futurists. The Center has been an Affiliate Campus of the International Space University (ISU) of Strasbourg, France since 1996. As such, UH faculty and students participate in the Masters in Space Studies (MSS) program at the main campus in Strasbourg and the nineweek Space Session Program (SSP) that is held in different locations around the world (most recently, the University of West Australia, Adelaide, the University of Bremen, Germany; Federico Santa Maria Technical University, Valparaiso, Chile; Suranaree University of Technology, Nakhon Ratchasima, Thailand; Beihang University, Beijing, China; Universitat Politecnica de Catalunya, Barcelona; NASA Ames, California; Graz University of Technology, Graz, Austria; Florida Technical University and Kennedy Space Center, Melbourne, Florida, and École de Technologie Supérieure, Montreal, Quebec, Canada. The SSP for 2015 will be held at Ohio University, Athens, Ohio. Discussions continue about the possibility of an SSP being held in Hawaii in the near future. Selected ISU MSS students have come to the Mānoa campus for their Internship Program. University of Hawai‘i students also enjoy special privileges regarding admission and substantially reduced tuition at ISU, and several UH graduate have received a MSc in Space Studies at ISU under this arrangement. Scott Yim, an affiliate of the Center and MA graduate in Alternative Futures in the Department of Political Science, also received the Master of Space Studies from ISU in 2013 and now works at NASA’s Ames Center in California. HRCFS and ISU also cooperate in various research, training and outreach projects, such as researching and writing a definitive book on space in all its human and scientific aspects titled, The Farthest Shore: A 21st Century Guide to Space (Apogee Books, 2010).

Recent Placement of Graduate Research Associates

Mary Baker, Brown University, Department of Political Science, 2018.

Gitte Du Plessis, University of Oulu, Finland, 2018.

Jonathan Hui, Ph.D. Fellowship at the Balsillie School of International Affairs and the International Red Cross, 2018

Aaron Rosa, Fraunhofer Institute for Innovation and Systems Research in the Foresight Competence Center, Germany, 2017.

Il-Hahn Bae, Researcher and Instructor, Korea Advanced Institute of Science and Technology, Graduate School of Future Strategy, 2015.

Brian Gordon, Ph.D. Fellow, Johns Hopkins University, Department of Political Science, 2015

Keonwoo Kim, Seoul Metropolitan Government, Urban Planing and Development.

Rex Troumbley, Postdoctoral Fellow, Humanities Research Center, Rice University.

PUBLICATIONS and PRESENTATIONS by Center Researchers

Director, Dr. Jairus Grove
Forthcoming Books
Savage Ecology: Geopolitics at the End of the World (Duke University Press, Forthcoming 2019)

Target Practice: Automated Killing and the Dehumanization of American Sovereignty (Rowman and Littlefield, 2019)

Grants Received:
2018 International Studies Association Catalyst Grant for Workshop "The State of War."

Co-investigator, Carnegie Endowment of Peace Innovation Grant for "Project Q: Global Power in a Quantum Age." 2014 to Present.

Peer Reviewed Articles:

"Becoming War: Towards a Martial Empiricism, with Nisha Shah and Antoine Bousquet, *Security Dialogue,* Fall 2019.

"Becoming Weapon" Critical Studies on Security, with Nisha Shah and Antoine Bousquet, Fall 2017.

Peer Reviewed Book Chapters
"War In the Age of Late Globalization" in The Oxford Handbook of Global Studies, Oxford University Press, Eds. Saskia Sassen and Mark Juergensmeyer, Forthcoming, August 2018.

"The Geopolitics for Extinction" in Technology and World Politics: An Introduction, editor, Daniel McCarthy, Routledge, July 2017.

Selected Invited Talks

"Dreaming of Intelligence: Quantum Computing and the DOD's 4th Offset," University of Sydney, February 15th, 2018.

"A Possessive Investment in Disorder: American Foreign Policy and the Pathology of Power." Ministry of Foreign Affairs of the Czech Republic, December 1st, 2017.

"Control as a Form-of-Life: Geoengineering, Species Plasticity, and the Emerging Ecologies of Security" Cultures of Control Keynote, University of Stockholm, October 12, 2017.

Faculty Researchers

Dr. Noelani Goodyear-Kaʻōpua

Dr. Goodyear-Kaʻōpua works on the futures of Native Hawaiian politics and social movements; Indigenous politics; Indigenous feminisms; intersections of indigeneity with food and energy politics.

Recent Publications

Goodyear-Kaʻōpua, N. "Indigenous Oceanic Futures: Challenging Settler Colonialisms & Militarization." In *Indigenous and Decolonizing Studies in Education*, Eve Tuck and K. Wayne Yang, eds. New York and London: Routledge Press, 2018. P. 82 – 102.

Goodyear-Kaʻōpua, N., Warech, J., Naehu, H. and Ritte, K. "'Welcome to the future': Restoring Keawanui Fishpond". In *Detours: A Decolonial Guidebook to Hawai'i.* Hokulani Aikau and Vernadette Gonzalez, eds. Durham: Duke University Press. In Press.

Goodyear-Kaʻōpua, N., Kuper, K., and Peter, J. "Together We are Stronger: Hawaiian and Micronesian Solidarity for Climate Justice" In Climate Change + Hawai'i/The Pacific. Christina Gerhardt, ed. Durham: Duke University Press. In Press.

Wilson-Hokowhitu, K. L. N., Goodyear-Kaʻōpua, N. "Colonization, Education and Kanaka ʻŌiwi Survivance." In *Handbook of Indigenous Education*. Elizabeth A. McKinley and Linda Tuhiwai Smith, eds. Singapore: Springer, 2018. P. 1 – 14. https://doi.org/10.1007/978-981-10-1839-8_57-1.

Recent Presentations

"Movement-building for Ea." Invited presentation for the *Practice of Pedagogy* conference, New York University, Department of Social and Cutlural Analysis. May 2018.

"Indigenous Oceanic Futures: Challenging Settler Colonialisms & Militarization." Invited presentation for the Ethnic Studies department's colloquium series. University of Hawai'i at Mānoa. October 2017.

"Together We are Stronger: Hawaiian and Micronesian Solidarity for Climate Justice." Invited presentation for the Pacific Climate Circuits Working Group, Center for the Study of Social Difference, Columbia University. April 28, 2017.

"Remaking the 'Aha: Braiding Strands of Hawaiian Self-Rule, Genealogy and Ritual." Invited presentation for Department of Pacific Studies, Wellington, New Zealand. March 2017.

"Aloha 'Āina, Aloha ka Po'e: Haunani-Kay Trask, Loving Against Violences at Home (1978 – 1981)." Native American and Indigenous Studies Association, Los Angeles. May 2018.

"Together We are Stronger: Hawaiian and Micronesian Solidarity for Climate Justice." Native American and Indigenous Studies Association, University of British Columbia. June 2017.

"Remaking the 'Aha: Braiding Strands of Hawaiian Self-Rule, Genealogy and Ritual." He Manawa Whenua conference, University of Waikato, Hamilton, New Zealand. March 2017.

Community Engagement
Kānehūnāmoku Voyaging Academy. Board member. 2014 – present.
Kānehūnāmoku, a 29ft double hull sailing canoe, is a hands-on, dynamic, and living classroom for students of all ages. Based in Kāne'ohe Bay, students become crew and learn all aspects of sailing the canoe, including maritime skills, non-instrumental navigation, elemental observations, teamwork and communication.

Hui o Kuapā – Keawanui Fishpond. Board member. 2015 – present.
Hui o Kuapā is a 501(c)(3) nonprofit organization founded in 1989 for the purpose of supporting Native Hawaiian fishpond restoration, education & research.

Hawai'i Center for Food Safety. Advisory board. 2016 – present.

Movement-building for Ea community organizers' trainings. Lead curriculum developer, workshops' coordinator and facilitator. 2014 – ongoing.

Lead organizer for the Kamehameha Schools Class of 1992 scholarship endowment fund, under the Ke Ali'i Pauahi Foundation. 2011-ongoing.

Dr. Nicole Grove
Dr. Grove works on the emergence of new forms of surveillance and data management in the Arab Gulf.

2017-2018 Grants and Awards

- Arab Council for the Social Sciences (ACSS) Critical Security Studies in the Arab World Individual Research Grant, November 2017 (US$ 7036.00).
- Collaborator, Critical Security Studies in the Arab World Project. Funded by the Arab Council for the Social Sciences, 2016-2019.
- Fulbright Scholar Award, Middle East and North Africa Regional Research Program, 2016-2017 (US$ 86,312.00).

2017-2018 Funded Invited Talks and Workshops (International and Continental U.S.)

- September 2018: Invited presentation on Big Data and security in the Gulf. World Social Science Forum. Fukuoka, Japan
- March 2018: Invited talk on big data and surveillance in the Gulf. University of Ottawa, Ontario, Canada.
- November 2017. Invited talk on social media and security in the Middle East. Villanova University. Villanova University, Pennsylvania.
- October 2017: Invited participation and paper for the workshop, 'Militarization 2.0's Days of Engagement: Policy, Practice, Research.' Sponsored by the Militarization 2.0: Militarization's social media footprint through a gendered lens Vetenskapsrådet Framework Grant, Stockholm University, Sweden.
- April 2017: Invited individual talk and roundtable on crowdfunding and non-state combatants in Syrian and Iraq. Lund University, Sweden.
- March 2017. Invited workshop participant for the Arab Council for the Social Sciences Critical Security Studies in the Arab World project. Beirut, Lebanon.

2017-2019 Publications

- (Forthcoming, 2019) "Playing with the World: The Politics of Miniaturization in the Gulf." In Salter M. and S. Yao (eds.), How to do Popular Culture in International Relations. Routledge.
- (Forthcoming, 2019) "Zombie Doctors, Saw-Scaled Vipers, and Other Incipient Swarms: Reading Connolly in Dubai." In Contemporary Political Theory, Critical Exchange on William E. Connolly's Facing the Planetary: Entangled Humanism and the Politics of Swarming.
- (Forthcoming, 2019) "Militarization, the 'Gig' Economy, and the Indiscernibility of the Violence Entrepreneur." In International Studies Review forum on 'Militarization 2.0.'
- "Towards a Beirut School of Critical Security Studies." With Omar Dahi, Samer Abboud, Coralie Pison Hindawi, Waleed Hazbun, Jamil Mouawad, and Sami Hermez. Critical Studies on Security, Vol. 6, No. 3, 2018: 273-295.
- "Weapons of mass participation: Social media, violence entrepreneurs, and the politics of crowdfunding for war." European Journal of International Relations.

First published online, December 7, 2017.
https://doi.org/10.1177/1354066117744867

Dr. Jenifer Sunrise Winter
*Joined the University of Indiana at Bloomington as External Affiliated Faculty, Ostrom Workshop in Cybersecurity and Internet Governance

*Grant

PI, National Science Foundation SoO: "Emergence of Organizational Forms of Data Governance in the Big Data Era" (Co-PIs Elizabeth Davidson and Victoria Fan) $215,000. Award number 1827592. Science of Organizations (SoO). 2018–2020.

*Our 2015 book was translated and published in Mandarin this year.

Winter, J. S., & Ono, R. (2015). The Future Internet: Alternative Visions (Eds.). Cham: Springer. https://dx.doi.org/10.1007/978-3-319-22994-2. In 2017, secured license agreement for Mandarin translation rights with leading Chinese publisher Publishing House of Electronics Industry (PHEI), Beijing. Contracted run of 5,000 Mandarin print copies released in July 2018.

珍妮弗·温特 [Jenifer Winter] & 良太小野 [Ryota Ono] , 郑常青 [Zheng Changqing, trans.] (译者). (2018). 未来互联网 [The future Internet]. 北京 [Beijing]: 电子工业出版社 [Publishing House of Electronics Industry]; 第 1 版 [1st edition] (2018 年 7 月 1 日).

*Journal Special Issues (Edited)

Winter, J. S. (Ed.). (2018). Special Issue: Digital Inequalities and Discrimination in the Big Data Era. Journal of Information Policy, 8 (March 2018). http://www.jstor.org/stable/10.5325/jinfopoli.8.issue-2018

Winter, J. S. (Ed.). (forthcoming August 2018). Special Issue: The Digital Divide at the Nexus of Social Justice, Media Justice, and Ethics. Journal of Information, Communication and Ethics in Society, 15(3).

*Refereed Journal Articles

Winter, J. S., & Davidson, E. (forthcoming) “Big data governance and the contextual integrity of personal health information.” The Information Society. (Journal acceptance rate: 8%).

Rathnayake, C., & Winter, J. S. (2018). “Carrying forward the Uses and Grats 2.0 agenda: An affordance-driven measure of social media uses and gratifications.” Accepted for publication in the Journal of Broadcasting and Electronic Media, 62(3), 371–389. doi:10.1080/0960085X.2018.1435232 (Journal acceptance rate: 2.7%).

Chiasson, M., Davidson, E., & Winter, J. S. (2018). “Philosophical foundations for informing the future(S) through IS research.” Special Issue on IS and Philosophy. European Journal of Information Systems, 27(3), 367–379. doi:10.1080/0960085X.2018.1435232 (Journal acceptance rate: ~15%).

Rogerson, S., Miller, K., Winter, J. S., & Larson, D. (2017). “Information Systems ethics – challenges and opportunities.” Journal of Information, Communication and Ethics in Society. doi:10.1108/JICES-07-2017-0041.

Rathnayake, C., & Winter, J. S. (2017). “Examining the link between social media uses and gratifications, and political tolerance and dogmatism.” Special Issue on The Platform Society. Policy & Internet, 9(4), 444–466. (Oxford Internet Institute). doi:10.1002/poi3.157.

Zhang, B., & Winter, J. S. (2018). “Current situation and policy of cyberspace governance in the United States.” Communications World [通信世界] (Beijing), 28, 33–35. [published in Mandarin].

*Book Chapters

Winter, J. S. (2018). “Energy consumers’ perspectives on smart meter data: Privacy and unjust algorithmic discrimination.” In R. Luppicini (Ed.)., The Changing Scope of Technoethics in Contemporary Society (pp. 241–260). Hershey, PA: IGI Global. [Invited chapter]. Reprinted as:

Winter, J. S. (2019). “Energy consumers' perspectives on smart meter data: Privacy and unjust algorithmic discrimination.” In Information Resources Management Association (Ed.). Censorship, Surveillance, and Privacy: Concepts, Methodologies, Tools, and Applications (pp. 1585-1604). Hershey, PA: IGI Global.

Winter, J. S. (2017). “Big data and information/power asymmetries: What role for scholars?” In C. George (Ed)., Communicating with Power (pp. 85–98). ICA Annual Conference Book Series. Bern: Peter Lang. [Invited book chapter elaborating peer-reviewed conference submission].

*Encyclopedia Articles

Winter, J. S. (2018). “Right to Internet access.” In Barney Warf (Ed.)., The SAGE Encyclopedia of the Internet (pp. 735–738). Thousand Oaks, Ca.: SAGE.

Winter, J. S. (2017). “Privacy, algorithmic discrimination and the Internet of Things.” In M. Khosrow-Pour (Ed.)., Encyclopedia of Information Science and Technology, Fourth edition (pp. 4951–4961). Hershey, PA: IGI Global.

*Policy Research Report

Taylor, R. D., & Winter, J. S. (2017, June). Global Cyberspace Governance in the Age of the Embedded Infosphere” Policy research report (252 pp.).

*Refereed Conference Papers/Presentations

Kauweloa, N. S., & Winter, J. S. (2019). “Taking college eSports seriously: A Serious Leisure perspective.” Accepted for presentation at the Hawaii International Conference on System Sciences, Maui, Hawaii, January 2019.

Winter, J. S., & Davidson, E. (2018). “The healthcare AI juggernaut: Is PHI data governance possible?” Accepted for presentation at IFIP 8.2 Living with Monsters: Social Implications of Algorithmic Phenomena, Hybrid Agency and the Performativity of Technology, December 2018, San Francisco.

Winter, J. S., & Davidson, E. (2018). “Big Data governance of personal health information: contextual integrity in the case of Google DeepMind Health and the UK National Health Service.” International Communication Association Annual Conference, May 2018, Prague.

Rathnayake, C., Winter, J. S., & Buente, W. (2018). “#BlackLivesMatter and #AliveWhileBlack: A study of topical orientation of hashtags and message content.” International Communication Association Annual

Conference, May 2018, Prague.

Winter, J. S., & Davidson, E. (2017). "Contextual integrity and governance of personal health data." 8th Conference on Health IT and Analytics (CHITA). November 2017, University of Maryland Center for Health Information & Decision Systems, Washington, D.C. (Presented by co-author E. Davidson).

Winter, J. S., & Taylor, R. D. (2017). "Global governance of the embedded Internet: The urgency and the policy response." 46th Telecommunication Policy Research Conference. September 2017, George Mason School of Law, Washington, D.C.

Winter, J. S., & Davidson, E. (2017). "Investigating values in personal health data governance models." 23rd Americas Conference on Information Systems (AMCIS). August 2017, Boston, MA.

Rogerson, S., Miller, K., Winter, J. S., & Larson, D. (2017). "The ethics of Information Systems – challenges and opportunities: A panel discussion." Paper and panel discussion at the Midwest Association for Information Systems conference, March 2017, Springfield, IL.

*Invited Academic Research Presentations

Plenary speaker. (2017). "Bridging research, policy, and practice for Asia-Pacific ICTD." Partnership for Progress on the Digital Divide (PPDD) 2017 International Conference, San Diego, May 2017.

Winter, J. S., & Davidson, E. (2017, January). "Values-driven data governance: Is personal health data a public good or a private garden?" Hawaii International Conference on System Sciences (HICSS), Social Movements and IT Symposium, Waikoloa, HI.

Dr. Sarah Wiebe

Dr. Sarah Marie Wiebe joined the Department of Political Science at the University of Hawai‘i at Mānoa as an Assistant Professor in August 2017. The ethos of aloha ‘āina drew her from Coast Salish territory (Canada) across the Pacific Ocean as an internationally recruited faculty member. As a political ecologist, she aims to inspire students to critically reflect on the entanglements between citizens, politics and ecosystems at the nexus of human/more-than-human lifeworlds. The questions animating her program of research centre upon four central areas of inquiry: environmental justice, critical policy studies, mixed media storytelling and environmental political thought. She is the author of *Everyday Exposure: Indigenous Mobilization and Environmental Justice in Canada's Chemical Valley* and teaches

undergraduate courses in environmental sustainability and a graduate course on decolonial futures. For more about her background see: www.sarahmariewiebe.com.

FELLOWSHIPS AND PROFESSIONAL APPOINTMENTS

- *Science Education for New Civic Engagements and Responsibilities (SENCER) Fellow,* Grand Challenges Summer Institute, Mālama ʻĀina and Conservation, May 2018, University of Hawaiʻi, Mānoa
- *CIHR Postdoctoral Research Fellow*, University of British Columbia School of Population and Public Health, 2017
- *Research Affiliate*, Centre for Global Studies & POLIS Project on Ecological Governance, 2017

AWARDS AND GRANTS

- Charles Taylor Book Award, 2017, American Political Science Association
- Principal Investigator, SSHRC Insight Development Grant (Awarded 2016-2018. Rank: First Sextile)
- Collaborator, SSHRC Insight Grant, Seascape Indigenous Storytelling Studio (Awarded 2016-2021)
- Collaborator, SSHRC Partnership Development Grant, Yuusnewar (Taking Care of Each Other): Life Promotion through Indigenous Youth Community Capacity Building, 2018

PUBLICATIONS

Books

Wiebe, Sarah Marie. *Everyday Exposure: Indigenous Mobilization and Environmental Justice in Canada's Chemical Valley*. Vancouver: UBC Press (2016). Recipient of the Charles Taylor Book Award, 2017.
Wiebe, Sarah Marie and Jennifer Lawrence, eds. *Biopolitical Disaster*, Routledge, *Interventions* series (2017).
Wiebe, Sarah Marie. *Life in a State of Emergency: Interrupting the Gendered Biopolitics of Settler-Colonialism.* Proposal under review with University of Minnesota Press.
Wiebe, Sarah Marie Wiebe and Leah Levac, eds. *Creating Spaces of Engagement.* Under contract with University of Toronto Press.

Articles

Wiebe, Sarah Marie and Jennifer Bagelman (equal co-authors) (2017). "Intimacies of Global Toxins: Exposure and Resistance in Chemical Valley", *Political Geography.* 60: 76-85.

Wiebe, Sarah Marie, Kelly Aguirre, Amy Becker, Leslie Brown, Israyelle Claxton, Brent Angel (2016). "Traveling Together? Navigating the Practice of Collaborative Engagement in Coast Salish Communities", *Engaged Scholar Journal.* 2(1): 125-144.
Wiebe, Sarah Marie (2016). "Guardians of the Environment in Canada's Chemical Valley", *Citizenship Studies,* 20(1): 18-33.

Wiebe, Sarah Marie (2015). "Decolonizing Engagement? Creating a Sense of Community through Collaborative Filmmaking", *Studies in Social Justice,* special issue on "Scholarship and Activism", 9(2): 244-257.

Wiebe, Sarah (2009). "Producing Bodies and Borders: A Review of Immigrant Medical Examinations in Canada", *Surveillance and Society*. Vol. 6(2): 128-141.

LECTURES AND PUBLIC PRESENTATIONS

Invited Presentations

"Biopolitical Disaster", Guest Lecture to Planning 670, Department of Urban and Regional Planning, University of Hawai'i, Mānoa, November 2018.

"Everyday Exposure: Indigenous Mobilization and Environmental Justice in Canada's Chemical Valley", Western Washington University, Environmental Studies program, virtual presentation March 2018
"Life in a State of Emergency: The Biopolitics of Chief Theresa Spence's Hunger Strike", Department of Political Science Colloquium Series, March 2018
"Everyday Exposure: Indigenous Mobilization and Environmental Justice in Canada's Chemical Valley", Institute for Gender, Sexuality and Social Justice, University of British Columbia, Spring 2017
"Everyday Exposure: Indigenous Mobilization and Environmental Justice in Canada's Chemical Valley", Osgoode Hall Law & Faculty of Environmental Studies, York University, November 2016
"Everyday Exposure: Indigenous Mobilization and Environmental Justice in Canada's Chemical Valley", University of Toronto Law School, November 2016
"In Deep Water: From Fish Flashpoints to Ocean Sense", Simon Fraser University, June 2016
"Guardians of the Environment in Canada's Chemical Valley", Appalachian State University, April 2016
"Life on the Edge: Environmental Justice in Canada's Chemical Valley", University of Washington, February 2016

CONFERENCE AND WORKSHOP PARTICIPATION

Wiebe, Sarah Marie, "Chemical Exposure and Democratic Dilution: Moving Corporeal Citizens Beyond the Margins through Sensing Policy", Applied Social Anthropology, Oxford, UK, September 2018

Wiebe, Sarah Marie, "Fluid Decolonial Futures: Seascape Relationality Across the Pacific", American Political Science Association, Annual Conference, Boston, MA, September 2018

Wiebe, Sarah Marie, "Chemical Exposure and Democratic Dilution: Moving Corporeal Citizens Beyond the Margins through Sensing Policy", Western Political Science Association, Annual Conference, San Francisco, March 2018
Wiebe, Sarah Marie, New Books in Environmental Political Theory panel, Western Political Science Association, Annual Conference, San Francisco, March 2018
(Chair) Postcolonialism and Environmentalism panel, Western Political Science Association, Annual Conference, San Francisco, March 2018
(Discussant) Rethinking Representation panel, Western Political Science Association, Annual Conference, San Francisco, March 2018
Wiebe, Sarah Marie, Erynne Gilpin and Laurence Butet-Roch, "Reimagining Attawapiskat: Mixed Media Storytelling, Sustainable Self-Determination and Treaty Relations", Canada, The United States, and Indigenous Peoples: Sovereignty, Sustainability, and Reconciliation Hawai'i, March 2018, Sponsored by Fulbright Canada, the Center for the Study of Canada at the State University of New York College at Plattsburgh, and the College of Social Sciences at the University of Hawai'i at Mānoa
Wiebe, Sarah Marie, "Mixed Media Storytelling: Reimagining Attawapiskat", Environmental Justice: Looking Back, Looking Forward: Environmental Justice, University of Sydney, November 2017

LEADERSHIP, SERVICE AND COMMUNITY ENGAGEMENT

Academic Service

- American Political Science Association, Methods Café Convenor, 2018-2020
- Canadian Political Science Association, 2019 Conference Gender & Politics Section Co-Head with Alana Cattapan and 2020 Jill Vickers Prize Jury Member
- University of Hawai'i at Mānoa, Rhodes Scholarship Committee
- Sustainability Certificate, University of Hawai'i at Mānoa Planning Committee, 2017-present
- 2018-2019 Clay Morgan Book Award Committee, Environmental Political Theory Section, Western Political Science Association
- 2018 Charles Taylor Book Award Committee Chair, American Political Science Association
- Western Political Science Association, Environmental Political Theory pre-conference workshop co-facilitator with James Rowe (School of Environmental Studies, University of Victoria)
- Respondant and Notetaker: "Sharing the Land, Sharing a Future", Arts and Reconciliation workshop, Congress 2016, Calgary, AB

University of Hawai'i, Mānoa Professional Development and Community Service

- Chair, Professional Development Committee, UH Mānoa, 2018-2019
- Grand Challenges Summer Institute: Mālama 'Āina and Conservation, UH Mānoa, May 2018

- Teaching Tolerance: Educating for a Diverse Democracy, April 11, 2018, UHM Campus Climate Committee and College of Education's Diversity Committee
- Place-Based Research Matters for Faculty: Building Pilina, March 14 2018
- Faculty Leaders in Place-Based Research, Centre for Teaching Excellence, UH Mānoa, February 28 2018
- Critical Thinking: Teaching, Learning and Assessing, Centre for Teaching Excellence, UH Mānoa, February 27 2018
- Ho'oulu 'Āina, Kalihi Valley Nature Preserve, Political Science Department community service, February 2018

Graduate Researchers

Anna Butchart

Ms. Butchart is a British Diplomat, researching the role of fisheries management on the potential future of violent conflict in West and Central Africa. She is part of the One Earth Future Secure Fisheries Research Consortium and a research associate with Vision Foresight Strategy a Honolulu based futures consultancy.

Captain Boyd T. DeLanzo

He is an Army Space Operations Officer. He most recently served as the European commander for an early missile warning detachment, known as the Joint Tactical Ground Station (JTAGS). His research interests include: the impact of technology on commercial and military space operations; military technology; future of space policy; political systems; asymmetric warfare; crisis escalation manavgement; and the geopolitics of space.

Recent Publication

"Managing the Next Great Power Crisis: Lessons from '62"
http://purview.dodlive.mil/2017/10/01/crisis/

Shree Deshpande

Mr. Deshpande is interested in infrastructural and logistical interventions undertaken to respond to climate change, nuclear war, and other potential catastrophes their roles in furthering colonial, settler colonial, and anti-black violence. He is also interested in the diasporas (re)made out of these and other forms of violence.

Ari Eisenstat

Ari Eisenstat is a first year PhD student researching the future of social innovation for sustainable development and imagining the 2045 Global Goals. He is a civil society representative to United Nations, impact investor, and venture philanthropist.

In the past year Ari has presented at Harvard, MIT, Duke, United Nations Headquarters, UN Climate Summit, and conferences around the world. Ari currently serves on the

executive council for Manoa Graduate Student Organization as chair of sustainability and Political Science department delegate.

Ryan Ferguson
Mr. Ferguson is a graduate from Ursinus College in Pennsylvania where I received my undergraduate degree in both Politics and International Relations. After graduating, I briefly spent time working in electoral campaigns in Pennsylvania before moving to Hawaii. As a graduate student on the Ph.D. track, I am interested in mapping the way the technology of today, like the internet, will shape how our history will be studied and understood in the future.

Yeonhee Kim
My project investigates the long-term consequences of the division on the Korean peninsula and the implications for building genuine peace. I examine the war-like relations on the peninsula, and the communities of trauma and pain that frame the grounds for political activism, struggle, and solidarity around the politics of division.

Forthcoming "Memory, Trauma, Becoming: Korean Philosophy and French Theory" Panel Discussant. American Philosophical Association (North American Korean Philosophy Association), Annual Meeting, Denver, Colorado, February 2018

"Religious Affect and Phenomenological Being in Andrei Tarkovsky" Panel Discussant. Biennial SOPHERE (The Society for Phenomenology of Religious Experience) Congress, Prague, Czech Republic, November 2018

"Policing Events: American Politics of Korean War." Panel Discussant. American Studies Association Annual Meeting, Atlanta, Georgia, November 2018

"April 3rd Jeju Uprising and Claims to Present"— Jeju 4.3 Conference & Peace Study Tour. Participant. Jeju, South Korea, June 2018

"National Traumas and Decolonial Politics of Healing in the Korean Peninsula." Panel Discussant. International Studies Association Annual Meeting, San Francisco, CA, February 2018

Mathew Markman
Mr. Markman is working on the Futures of neo-fascist movements and research into democratic and populist alternatives to authoritarianism. Markman is also interested in how emerging technologies such as blockchain and life-extending techniques may pose opportunities or challenges to new forms of governance.

Billy Meinke
Mr. Meinke is working with the University and Legislature on efforts to encourage open access publishing and open education. Mr. Meinke is interested in the futures of knowledge access and the global political economy of education.

Andriy Levytskyy
Mr. Levytskyy is conducting field research in the Ukraine and studies the shifting geopolitics and transformations of political economy in Europe with special attention to changes in communication and data infrastructures.

David Goldberg
Mr. Goldberg is researching the role new media platforms such as social media impact American race relations and what possibilities new media have for the building of more inclusive democracy.

Amy Sojot
Ms. Sojot is research education futures in Hawai‘i with a special focus on experiential education and land-based curricula in primary education.

Aubrey Yee
Ms. Yee is working on the future of biotechnology in Hawai‘i.

Emily Pesicka
Ms. Pesicka’s is working to develop proposals for military base adaptation to climate change and other catastrophic challenges.

Michael Miller
Mr. Miller is doing research in four areas involving aspects of Futures Studies. The first involves futural forms of governance derived from the fear of the people or masses. The second involves the futures of crowd theory and collective action. The third involves the futures of the labor movement and the futures of work. The fourth involves futures of the influence of spatiotemporal assumptions on the conception of reality.

Ali Musleh
Mr. Musleh’s research focuses on the futures of warfare automation and their consequences for the Israeli-Palestinian conflict.

Kenneth Gofigan Kuper
He examines security and violence from a Pacific Islands alternative and uses International Relations theory and its inherent flaws to examine the future conflict ecosystem that may affect the region in an era of climate change, power politics, and geopolitical imaginaries that view islands as simply strategic. In doing this, he explores not only the future conflict ecosystem, but also genuine security alternatives for Pacific

Islands. He was just hired as tenure-track faculty of Political Science at the University of Guam where is he from.

Heather Qualters:
Ms.Qualters is working on a PhD focusing on the futures of technology transfer within the neo-liberal American university. She presented her research at the annual Association of University Technology Managers (AUTM) meeting. She is also collecting data for her dissertation at the university of Washington's CoMotion research center over the 2018-19 academic year. This coming spring she will be presenting a paper at the Western Political Science Association (WPSA) titled
The Making of Bayh-Dole: A deep-dive into the economic, political and cultural narratives which brought about Bayh-Dole (1960-1990).

Youngwoo Rhee
Mr. Rhee is working on the inquiry of the ontological modality of the power, asking who the modern people, as the political subject of the modern nation-state, are, and where they are from, asking their collective identity and formation by means of tracing the trajectory of the changing onto-modality overtime through 16- 20th century. In the same context, I am looking into the natured nature of the contemporary Korean people as the people of the nation-state, through the comparative study centered on the changing onto-modality of slave/serf in Chosŏn dynasty overtime through 16- 20thcentury with that of American South, Spain, and Japan.

Elizabeth Seibel
Ms. Seibel is interested in the ways that big data enables and affects different forms of intervention into the lifeworld from violent acts of war to "benevolent" acts of humanitarian assistance. More broadly, Elizabeth is interested in interrogating the politics of security technologies and their effects in shaping our world.

Owen Shieh
Mr. Shieh. is exploring the relationality between quantitative and interpretive methods of meteorology as they pertain to the science and art of hazardous weather forecasting to support decision-making in emergency management, humanitarian assistance, and national security. Shieh is also interested in understanding how the rapidly-evolving technology of Numerical Weather Prediction and data-sharing agreements will shape international and interagency policies and priorities in the future as global economies become increasingly dependent upon accurate, precise, and timely weather forecasts.

Training Department Head at the Joint Typhoon Warning Center in Pearl Harbor.
--I received the Navy Meritorious Civilian Service Award: 2017 Oceanographer of the Year / Matthew Henson Award, named after the first African-American explorer to reach the North Pole

--I hosted a summer undergraduate research internship through the national service academies (JTWC Academies Internship), with participation from cadets and midshipmen from West Point, US Air Force Academy, and US Naval Academy.
--Leading interagency research/operations to apply JTWC forecasts to decision-making efforts in American Samoa (see abstract: https://ams.confex.com/ams/2019Annual/meetingapp.cgi/Paper/355966)
--Was hosted by Japan Meteorological Agency for a seminar/workshop in Tokyo to share new developments in tropical cyclone forecasting tools (May 2018)
--Taught multiple training workshops on tropical meteorology to U.S. military in Guam, mainland Japan, and Okinawa (May 2018)
--Member of the American Meteorological Society (AMS) Emergency Management Committee
--Member of AMS Membership Committee
--Currently serving as a Co-Chair of the AMS Major Weather Events and Impacts Conference: https://annual.ametsoc.org/index.cfm/2019/programs/conferences-and-symposia/major-weather-events-and-impacts-of-2018/
--Invited as Guest Lecturer at Fenner School of Environment & Society, Australia National University (April 2017)
--Invited and participated as a peer-reviewer for major meteorology journals based in the U.S. and U.K.
--Will be teaching "POLS 387: Politics of the Ocean" next semester

Jacob Sotiriadis
Mr. Sotiriadis' research focuses on the future of ideological movements with respect to how ideologies become material in a systemically important way for understanding security politics. His work examines the emerging dogmas of Neo-Confucianism in China, Neo-Eurasianism in Russia, and Neo-Ottomanism in Turkey. Sotiriadis is an intelligence officer in the United States Air Force with over 15 years of experience, including portfolios at the Pentagon and the National Security Agency.

Recent Publications:
"Why the US and China Can't Get to Yes (Even When They Could)," with Meicen Sun, *The Diplomat,* 20 November 2018

"Do Drones Make Us Trigger Happy? Implications for the East China Sea," *China-US Focus,* 04 Sep 2018

"Xi Jinping's Neo-Confucianist Turn," *China-US Focus,* 19 Jun 2018

Tamara Swift
Ms. Swift asks, is it possible to feel futures that are different from the past and the present? How can we start living in alternative futures? My dissertation research will explore indigenous and feminist visions of alternative governance and futures that are

reflected in community actions of protest, cultural resurgence and sustainable food production in Hawaii as well as other parts of the world.

Conference Presentations:

- Swift, T.E. (2018) Ea Wahine; Un-settling Hawai‘i, The 39th Annual Hawai‘i Sociological Association Conference, ‘Island Voices: Celebrating Our Past, Present, and Future,’ February 24th & 25th at UH Hilo.
- Swift, T.E. (2018) Ea Wahine; Un-settling Hawai‘i, Lahui Hawai‘i Research Center, Student Conference, April 6th & 7th, 2018 at UH Manoa

Conference Participation:

- Piko’oko’o 2018 Conference at UH Manoa – Oct. 5 & 6, 2018 – Make UH a place of Hawaiian Learning
- 17th Annual Native Hawaiian Convention – Oct. 8-10, 2018, Council for Native Hawaiian Advancement, Honolulu, Hawaii
- Re Mapping Indigenous Geography Conference – October 19, 2018 Center for Hawaiian Studies
- Association of Hawaiian Civic Clubs – 59th Annual Convention | Kaua'i, Hawai‘i

November 11-18, 2018.

Community Engagement:

Kailua Hawaiian Civic Club - August 19, 2018 meeting submitted my membership, general meetings once a month, including work with Hika‘alani to restore Ulupo Heiau and taro planting.

Kailua Houseless Service Care - 8/28/2018
It was our turn to provide the day's meal at Daybreak Church for about 30 of Kailua's houseless. Sponsored by the Windward Y and a coalition of Kailua churches, this last-Tuesday-of-every-month gathering includes a hot lunch, a hot shower, employment support, veteran services, housing applications, legal aid, care packages, and assistance with health care, insurance, and vital documents. Mahalo to Kailua Hawaiian Civic Club coordinators Sue Pignataro and Judy Mick, and to club members Ululani Young, Tamara Swift, Doc Burrows, Mapuana de Silva, Ryan Ueunten, and Kaleo Wong. (pc: MdS)

Poi & Papale – October 21, 2018, Kailua Hawaiian Civic Club, Scholarship Fundraiser.

Houseless Community Panel – October 27, 2018, Doris Duke Theater.

Pu'uhonua o Waianae, Houseless Community Organization Open House – November 3, 2018 “Be the first to see our Tiny Home tomorrow at our open house event from 10am-2pm. Tours will be from 10-12. We will be sharing more details on our future plans & our community-based solutions.”

Zoe Vorsino

Ms. Vorsino is researching the futures of affect reading algorithms which sense human emotions for advertising and security infrastructures.