

KORY CHRIST RUSSEL

Assistant Professor of Landscape Architecture and Environmental Science
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EDUCATION

Ph.D.	Civil and Environmental Engineering	Stanford University, Stanford, CA (2019)
M.S.	Civil and Environmental Engineering	Stanford University, Stanford, CA (2012)
M.E.S	Environmental Science	Taylor University, Upland, IN (2005)
B.S.	Environmental Biology, Cum Laude	Taylor University, Upland, IN (2003)
	Center for Medieval and Renaissance Studies	Oxford University, United Kingdom (2001)

PROFESSIONAL APPOINTMENTS

- 2019-current** Assistant Professor. Department of Landscape Architecture and Environmental Studies. University of Oregon
- 2016-2019** Acting Assistant Professor. Department of Landscape Architecture and Environmental Studies. University of Oregon

RESEARCH AND TEACHING INTERESTS

Key words: human centered design, entrepreneurship, container-based sanitation, dense urban settings, informal urban design, low- and middle-income settings, rural water, water source coverage area, energy expenditure, water fetching, gendered activities, health, reuse of greywater, resource recovery

PEER- REVIEWED PUBLICATIONS (*denotes doctoral student advisee)

- 2022** VanRipper, F., * **Russel, K. C.**, Tillias, D., Tilt, J., Laporte, J. (2022). "Container-based sanitation in urban Haiti: how can it improve human rights as a component of citywide inclusive sanitation?". *H2Open Journal*, 5(1), 135-152.
- 2022** Ferguson, C., Mallory, A., Anciano, F., **Russel, K.**, Valladares, H. D. R. L., Riungu, J., & Parker, A. (2022). A qualitative study on resource barriers facing scaled container-based sanitation service chains. *Journal of Water, Sanitation and Hygiene for Development*, 12(3), 318-328.
- 2022** VanRipper, F., * **Russel, K.**, Cramer, L., Tillias, D., Laporte, J., Lloyd, E., Kramer, S. 2022. "Container-based sanitation services and attrition: an examination of drivers and implications." *Frontiers of Environmental Science*. 9:817142. DOI: 10.3389/fenvs.2021.817142

- 2021 VanRipper, F.,* **Russel, K.**, Tillias, D., Laporte, J., Lloyd, E., Cramer, L., Kramer, S. 2021. "The sanitation arc: an alternative examination of WASH behavior change." *Journal of Water, Sanitation and Hygiene for Development*, 7(1), 2080003. DOI: 10.2166/washdev.2021.162
- 2020 **Russel, K.**, Buman, M., Davis, J., Haskell, W. 2020. "Estimating energy expenditure of head-hauling water and grain grinding from heart-rate monitor measurements in northern Mozambique." *Public Health Nutrition*, 23(16), 2886-2897.
- 2019 **Russel, K.**, Hughes, K., Roach, M., Auerbach, D., Foote, A., Kramer, S., Briceño, R. 2019. "Taking Container-Based Sanitation to Scale: Opportunities and Challenges." *Frontiers of Environmental Science*, 7, 190.

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2015 **Russel, K.**, Tilmans, S., Kramer, S., Sklar, R., Tillias, D., Davis, J. 2015. "User perception of and willingness to pay for household container-based sanitation services: experience from Cap Haitien, Haiti." *Environment and Urbanization Vol 27, No 2*, pp. 525-540.
- 2015 Tilmans, S., **Russel, K.**, Sklar, R., Page, L., Kramer, S., Davis, J. 2015. "Container-based sanitation: assessing costs and effectiveness of excreta management in Cap Haitien, Haiti." *Environment and Urbanization. Vol 27 No 1*, pp. 89-104.
- 2014 Ho, J., **Russel, K.**, Davis, J. 2014. "Evaluating the efficacy of Euclidean distance and self-reported travel time as proxies for water fetching distance." *Journal of Water and Health. Vol 12 No 1* pp 173–183
doi:10.2166/wh.2013.042.
- 2011 Zuin, V., Ortolano, L., Alvarinho, M., **Russel, K.**, Thebo, A., Muximpua, O., Davis, J. 2011. "Water resale to neighbors in Maputo, Mozambique: costs, service quality, and user satisfaction." *Journal of Water and Health, Vol. 9, No. 4*, pp. 773-784. doi:10.2166/wh.2011.031.

REFEREED PUBLICATIONS IN PROGRESS (E.G. PEER REVIEWED PUBLICATIONS AND BOOK CHAPTERS)

Re-Submitted. L. Harroff, R. Ryals, G. McNicol, E. Bischak, M Reid, **K. Russel**. "Demonstration of potential for climate-positive sanitation through case studies of four sanitation service providers." *Target Journal: Water Research*.

In preparation. **Russel, K.**, Tillias, D., Tilmans, S., Kramer, S. Book Chapter: "Reversing the Flow: Global South to Global North Knowledge Transfer" *Making Do and Transformational Participatory Urbanism. Communities Claiming Space and Creating Place.* Amsterdam University Press.

In preparation. A. DeHeer, and **Russel, K.**, "Codesign: A New Framework for Landscape Architectural Engagement in Informal Settlements." *Target Journal: Journal of Landscape Architecture*.

In preparation. **K. Russel**, W. Haskell, M. Buman, J. Ho and J. Davis. "The burden of water fetching: accounting for the human energy expenditure in the analysis of water supply investments in rural Mozambique." *Target Journal: Social Science and Medicine*.

In preparation. **Russel, K.**, VanRipper, F., Coates, J. "Container-based sanitation is one of the most cost-effective strategy for achieving safely managed sanitation." Target Journal: Journal of Water, Sanitation and Hygiene for Development.

BOOK CHAPTERS, REPORTS, EXHIBITIONS, AND NON-PEER REVIEWED PUBLICATIONS

- 2023 **Russel, K.**, Kristensen, B., Rycewicz, Audrey. "Designing for the Intimate Shared Reality of All Species." Art installation within the Dean Adrian Parr's Transpecies Design Exhibit. 2023 Venice Architectural Biennale. <https://www.koryrussel.com/venicebiennaleexhibition>
- 2021 **Russel, K.** 2021. "Book Review: Routledge Handbook of Water and Health." Water Economics and Policy, 7(1), 2080003. DOI: 10.1142/S2382624X2080003X
- 2020 Ward, P., Castro, I.(S), Fiorelli, T.(S), Fretz, M., Ko, Y. (Co-I), Lee, J.H. (Co-I), **Russel, K.** (Co-I), da Silva, C.(S), Van Den Wymelenberg, K.(PI). 2020. "Open Home Project: Designing Modular Housing and Landscapes for Resilient Communities." American Council for an Energy Efficient Economy 2020 Summer Study on Energy Efficiency in Buildings, online; August 17-21, 2020.
- 2020 **Russel, K.** and Montgomery, I. Container-Based Sanitation Implementation Guide 1st Edition. Container-Based Sanitation Alliance, London, UK. 2020. (https://cbsa.global/wp-content/uploads/2020/11/CBSA-implementation-guide-1st-edition_compressed.pdf)

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2014 Hall, R., Davis, J., Van Houweling, E., Vance, E. A., Carzolio, M., Seiss, M., and **Russel, K.** 2014. "Impact evaluation of the Mozambique rural water supply activity." Millennium Challenge Corporation, United States of America. pp. 1–120. Retrieved from <http://data.mcc.gov/evaluations/index.php/catalog/76/study-description>.
- 2012 **Russel, K.** and Cariello, N. 2012. "Every drop counts: rural water and sanitation in sub-Saharan Africa." SAUTI: Stanford Journal of African Studies, Volume VIII: pp. 15-17. 2011-2012.

CONTRIBUTOR TO PUBLICATION

- 2019 **Contributor.** World Bank. 2019. "Evaluating the Potential of Container-Based Sanitation." World Bank, Washington, DC.
- 2019 **Contributor.** National Science Foundation (NSF) Landscape Carbon Sequestration for Atmospheric Recovery White Paper: A Perspective on Convergence to Accelerate Carbon Sequestration. University of Oregon, Eugene, Oregon. [Silva LCR, Wood M, Johnson B, Bomfim B, Coughlan M, Smith M, Brinton H, Bridgham S, and McGuire K (eds.)] https://law.uoregon.edu/sites/law2.uoregon.edu/files/white_paper_lcsar.pdf

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

2017 **Contributor. Russel, K.,** Oko-Williams, A., and Diaz, L. 2017. "With Elephant, Rider, Path, behavior change isn't rocket science." UCD in Sanitation, The Bill and Melinda Gates Foundation.

CONFERENCE PRESENTATIONS, POSTERS, AND WEBINARS

- 2023 Venice Biennale Workshop: German Pavilion "Circular Sanitation Days." Venice, Italy. Oct 19-23.
- 2023 Association for the Study of Literature and the Environment + Association of Environmental Studies and Sciences Joint Conference. Session Speaker: "Designing for the Shared Intimate Reality of All Species." Portland, Oregon and Online. July 9-12. (<https://aessconference.org/>)
- 2023 Kenya Water & Sanitation International Conference & Exhibition. Plenary Speaker: "Capacity Development and Research." Mombasa, Kenya. June 19-23.
- 2022 Landscape Architecture Construction International Conference. Speaker: "Rethinking the integration of water and wastewater with urban spaces." Online. Dec 17-18.
- 2022 APRU Sustainable Cities and Landscapes Conference. Hawaii. Water and Wastewater Working Group Leader. Sept. 6-9.
- 2022 Adaptive Refugee Housing Project. Global Perspectives Panel. University of Oregon. March 30.
- 2022 FSMA Spotlights Webinar: The Container-Based Sanitation Implementation Guide. Feb. 17. <https://fsm-alliance.glueup.com/event/fsma-spotlights-the-container-based-sanitation-implementation-guide-49071/>
- 2021 APRU Sustainable Cities and Landscapes Live Webinar Series. Session 3: Urban Sanitation and the Sustainable Development Goals: The Role of Container-Based Sanitation. Sept. 13.
- 2021 Rich Earth Institute Summit 2021. Online (Battleboro, Vermont). Speaker for Session: Global Partnerships for Urine Reclamation. <http://richearthinstitute.org/global-partnerships-for-urine-reclamation/>
- 2021 World Water Week 2021. Online (Stockholm, Sweden). Speaker for Session: Catalyzing sustainable futures for sanitation? Innovative financing and planning tools. August 26.
- 2021 Colorado WASH Symposium. Speaker for Session: The Future of Container-Based Sanitation: Innovative, Cost Effective, and Climate Positive. Boulder, Colorado. March 11 – 12.
- 2020 APRU Sustainable Cities and Landscapes Conference 2020. New Zealand. The Future of Wastewater and Sanitation Working Group Leader. December 14-18.
- 2020 Making Do Conference. Virtual Symposium. Reversing the Flow: Global South to Global North Knowledge Transfer. November 20.
- 2020 Water and Health Conference: Where Science Meets Policy. University of North Carolina. Virtual Poster. Calculating the Climate Change Mitigation Potential of Container-based Sanitation Systems. October 27.

- 2020 Rich Earth Institute Summit. Online (Battleboro, Vermont). Speaker and Moderator for Session: Container based sanitation alliance notes from the field. September 16.
- 2020 World Water Week 2020. Online (Stockholm, Sweden). Speaker in Session: Convergence of sanitation and climate crises. Break-out session 1: Using Emissions Data. August 24.
- 2020 Institute for Health and the Built Environment. Building Health: Environmental. Designed. Determinants. Virtual Symposium. Speaker for Session: Housing Determinants – Water reuse and Container-based sanitation. May 14.
- 2019 Toilet Board Coalition, Global Sanitation Economy Summit. Pune, India. Speaker for Session: Climate change and sanitation. November 18 – 21.
- 2019 Container-Based Sanitation Alliance Session at World Water Week 2019. Stockholm, Sweden. Speaker and Moderator for Session: Container based sanitation: Affordable and innovative services for all. August 25 – 30.
- 2019 Council of Educators in Landscape Architecture (CELA) 2019 Conference: Engaged Scholarship Panel. Landscape for Humanity: New design pedagogies for critical landscape engagement. Sacramento, California. March 8.
- 2019 Combined AfricaSan5 and Fifth International Fecal Sludge Management (FSM5) Conferences. Cape Town, South Africa. Speaker in several sessions including: 1) Container Based Systems and Capacity Building. 2) Private Sector Dialogue: Promoting the Enabling Environment for Non-sewered Sanitation. 3) Monitoring and Using Evidence to Improve Hygiene and Sanitation: Accelerating Sanitation Access Through Mobile IT. 4) Achieving Urban Equality Workshop: The Potential of CBS for Realizing the Human Right to Sanitation in Urban Settings. February 18-22.

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2018 APRU Sustainable Cities and Landscapes Conference 2018. Hong Kong, China. The Future of Wastewater and Sanitation Working Group Leader. September 6 – 9.
- 2018 Container-Based Sanitation Alliance Session at World Water Week 2018. Stockholm, Sweden. Speaker and Moderator for Session: Container based sanitation and the sanitation economy. August 26 – September 31.
- 2018 University of Oregon 24th Hopes Conference. Panel Member, UnTraditional: Ad-Hoc Principles for Design and Sustainability. Eugene, Oregon. April 13.
- 2018 Healthy Places, Healthy People, Portland Design Symposium, Oregon ASLA. Portland, Oregon. Rethinking Wastewater: Recapturing Resources and Creating Urban Green Space. April 7.
- 2018 CU WASH Symposium 2018. Boulder, Colorado. Speaker and Moderator for Session: Container Based Sanitation: A Revolution for Urban Sanitation. March 7.
- 2017 The Bill and Melinda Gates Foundation User Centered Design for Sanitation Convening. Seattle, Washington. Poster on re.source sanitation work. September 25 – 28.

- 2017 APRU Sustainable Cities and Landscapes Conference 2017. Portland, Oregon. The Future of Wastewater and Sanitation Working Group Leader. September 15 – 17.
- 2017 Sanitation Community of Practice (SanCop) 19. University College, London. Container-Based Sanitation Alliance and Sanitation Safety Planning. April 6.
- 2016 Global Toilet Business, Innovation & Investment Summit. Mumbai, India. Co-facilitator for Container Toilet Meeting. November 17.
- 2016 Association of American Geographers Annual Meeting. San Francisco. Expanding sanitation services: Impacts of a container-based, household toilet and human waste collection service in a dense urban slum of Cap Haitien, Haiti. April 1.

2016 – ACTING ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2015 Water and Health Conference: Where Science Meets Policy. University of North Carolina. Does the installation of improved water sources impact the burden of water fetching? Results from Nampula, Mozambique. October 27.
- 2015 Third International Fecal Sludge Management (FSM3) Conference. Hanoi, Vietnam. Impacts of a container-based household toilet and waste collection service in Cap Haitien, Haiti. January 20.
- 2014 Water and Health Conference: Where Science Meets Policy. University of North Carolina. Impacts of a container-based household toilet and waste collection service in Cap Haitien, Haiti. October 16.
- 2013 International Water, Sanitation & Hygiene Symposium. Stanford University. re.source: Piloting a low cost container-based household sanitation service. May 17.
- 2011 International Water, Sanitation & Hygiene Symposium. Stanford University. Measurement and modeling of water fetching energy expenditure. April 15.
- 2011 Chi Crossroads Conference, The Woods Institute for the Environment. Stanford University. FIB and nitrate contamination of water supplied by SSIPs and the water utility in Maputo, Mozambique. January 14.
- 2005 Taylor University Scientific Poster Symposium. Dialectic variations of the female hiccup call amongst sub-populations of the Florida Scrub Jay.

HONORS, FELLOWSHIPS, AWARDS, AND GRANTS

- 2022 IDEAL Grant, from the Office of the Vice President for Equity and Justice, University of Oregon (PI) (\$20,000)
- 2021 Faculty Research Award from the Office of the Vice President for Research and Innovation, University of Oregon (PI) (\$7,000)
- 2021 I3 Award from the Office of the Vice President for Research and Innovation, University of Oregon (Co-PI) (\$30,000)

- 2020 Economic and Social Research Council (ESRC) Global Challenges Research Fund (GCRF), Rethinking the off-grid city grant. (International Co-PI) (~\$1,000,000).
- 2020 UO Inaugural Resilience Initiative Interdisciplinary Seed Funding, University of Oregon (Co-PI) (\$50,000)
- 2019 ASLA Student Award of Excellence for Residential Design: Codesigning Green Sanitation Infrastructure: A Framework for Informal Settlements (Faculty Advisor)
- 2019 UO Foundation's Trustee Excellence Fund, University of Oregon (Co-PI) (\$30,000)
- 2019 Town and Gown Sustainability Award, University of Oregon
- 2019 United States Environmental Protection Agency Phase 1 P3 Award (Faculty Advisor and grant PI) (\$15,000)
- 2019 EPA P3 Student Team won the best design from the both the Society of Civil Engineers and the Institute for Chemical Engineers at the 2019 TechConnect Expo in Boston (Faculty Advisor and grant PI)

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2018 School of Architecture and Environment Faculty Design Research/Creative Practice Award 2018, University of Oregon (PI) (\$5,000)
- 2017 Sustainability Faculty Fellowship 2017, University of Oregon
- 2017 Faculty Research Award from the Office of the Vice President for Research and Innovation, University of Oregon (PI) (\$5,000)

2016 – ACTING ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2015 Rising Environmental Leaders Program, Wood Institute for the Environment, Stanford University
- 2014 United States Environmental Protection Agency Phase 1 P3 Award (re.source) (\$15,000)
- 2014 Charles H. Leavell Graduate Student Fellowship, Stanford University
- 2014 Social Entrepreneurship Scholarship, SOCAP 2014
- 2013 Showcase of Solutions for Planetary Sustainability – Winner: Outstanding Overall Solution (re.source), Sustainable Silicone Valley
- 2013 Stanford Institute for Innovation in Developing Economies (SEED) Design Lab Grant (re.source), Stanford University
- 2012 The Woods Institute for the Environment Mel Lane Grant (re.source), Stanford University
- 2013 Haas Center Graduate of Public Service (GPS) Fellowship, Stanford University
- 2011-2014 United States Environmental Protection Agency STAR Fellowship (\$130,000)

- 2011-2013 Bill and Melinda Gates Foundation Grand Challenge Exploration Round 6 Grant (Co-PI) (\$100,000)
- 2011 NSF Graduate Research Fellowship Honorable Mention
- 2011 Rotary District Scholar Fellowship
- 2011 Center for African Studies Summer Fellowship, Stanford University
- 2010 Center for Latin American Studies FLAS Fellowship, Stanford University
- 2009 Polhemus Fellowship, Stanford University
- 2003-2005 Graduate Fellowship, Taylor University

TEACHING AND MENTORING EXPERIENCE (number of times taught)

- Instructor of Record. LA 699 – Masters Project. Landscape Architecture. (3)
- Instructor of Record. LA 459/559 – Sustainable SITES: Certifying Sustainability. Landscape Architecture. (3)
- Instructor of Record. LA 459/559 - Urban Water and Sanitation. Landscape Architecture. (1)
- Instructor of Record. LA 410/510 - Sustainable Principles and Practices. Landscape Architecture. (3)
- Instructor of Record. LA 337 - Design for a Sustainable World. Landscape Architecture. (6)

- Instructor of Record. ENVS 632 – Research Methodology. Environmental Studies. (1)
- Instructor of Record. ENVS 631 – Theory and Practice. Environmental Studies. (1)
- Instructor of Record. ENVS 499/599 - Water, Sanitation, and the Environment. Environmental Studies. (5)
- Instructor of Record. ENVS 202 - Intro to Environmental Science. Environmental Studies. (8)

2016 – ACTING ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- Teaching Associate, Design for a Sustainable World. Dr. Bill Mitch and Dr. Jenna Davis. Stanford University. (2016, 2014)

- Teaching Associate, Current Topics in Sustainable Engineering. Dr. Bill Mitch and Dr. Jenna Davis. Stanford University. (2016, 2014)

- Teaching Assistant, Water, Public Health and Engineering. Dr. Jenna Davis. Stanford University. (2015)

- Teaching Assistant, Water and Sanitation in Developing Countries. Spring Quarter. Dr. Jenna Davis. Stanford University. (2012)

STUDENT ADVISING AND MENTORING

- Mentor, Leapfrog Design, Innovation Corps Program, SBIR Cohort. National Science Foundation. (Summer 2020)

Undergraduate Students, University of Oregon

Completed

Honors thesis committee member. Indigo Larson, Clark Honors College (Spring 2018)

Graduate Students, University of Oregon

Completed

MLA committee chair. Jigisha Modi, Department of Landscape Architecture (Spring 2022)

MLA committee chair. Sam Alig, Department of Landscape Architecture (Spring 2021)

MA committee member. Dayna Hansberger, International Studies (Summer 2020)

MLA committee chair. Adam DeHeer, Department of Landscape Architecture (Spring 2019)

MLA committee chair. Alden Carr, Department of Landscape Architecture (Spring 2018)

PhD Committee chair. Evan Elderbrock, Department of Landscape Architecture (Spring 2023)

PhD Committee member. Shan Zang, Department of Economics (Spring 2023)

PhD Committee member. Froggi VanRiper, Environmental Science – Oregon State University (Winter 2021)

PhD Committee member. Kyle Wilson, Department of Economics (Summer 2019)

Ongoing

PhD Committee chair. Thomas Fiorelli, Department of Landscape Architecture

PhD committee member. Bjørn Kristensen, Environmental Studies Program

PhD Committee member. Audrey , Department of Chemistry

PhD Committee member. Sara Loquist, Department of Landscape Architecture

DISSEMINATION IN PUBLIC MEDIA AND PUBLIC OUTREACH

- 2023 Time Space Existence show in Venice spotlights solutions for a planet under pressure. Dezeen. (<https://www.dezeen.com/2023/05/25/time-space-existence/>) Work featured in article.
- 2023 Maybe It's Time for a Bidet. Bridget Reed Morawski. Dwell Magazine (<https://www.dwell.com/article/why-switch-to-a-bidet-environment-4274d446-dc6e77b3-f04bfc86>)
- 2022 Landscape for Humanity: Project-Based Education with a Compassionate Focus from the College of Design. (<https://design.uoregon.edu/landscape-humanity-project-based-education-compassionate-focus-college-design>)
- 2021 Are bidets really better for the planet than toilet paper? Sarah Kiley Watson. Popular Science (<https://www.popsci.com/environment/bidets-vs-toilet-paper/>)
- 2021 UO Today Interview (<https://www.youtube.com/watch?v=GzYdEj5PsMI>)
- 2021 The 2021 Faculty Research Awards go to 12 UO scholars. (<https://around.uoregon.edu/content/2021-faculty-research-awards-go-12-uo-scholars>)
- 2021 I3 seed funding program awards grants to four research teams. (<https://around.uoregon.edu/content/i3-seed-funding-program-awards-grants-four-research-teams>)
- 2020 Toilet Board Coalition Interview. Cheryl Hicks. (https://www.youtube.com/watch?v=wN4_KUOWFTA)

- 2019 World Bank. 2019. "Evaluating the Potential of Container Based Sanitation." World Bank, Washington, DC (<https://www.worldbank.org/en/topic/water/publication/evaluating-the-potential-of-container-based-sanitation>)
- 2019 Codesigning Green Sanitation Infrastructure: A Framework for Informal Settlements. 2019 ASLA Student Awards. (https://www.asla.org/2019studentawards/686577_Codesigning_Green_Sanitation_Infrastructure_A_Framework_For_Informal_Settlements.html)
- 2019 Ko, Abelman, and Russel Win 2019 University of Oregon Sustainability Award for Town & Gown. University of Oregon, Office of Sustainability. (https://www.youtube.com/watch?v=eLBAct_V2vQ&feature=youtu.be)

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2018 Landscape Architecture Students Clean Up in EPA Design Competition. UO School of Architecture & Environment. (<https://archenvironment.uoregon.edu/landscape-architecture-students-clean-epa-design-competition>)
- 2018 Rethinking Human Waste. Traveling Smithsonian Exhibition "H2O Today," University of Oregon's Museum of Natural and Cultural History. (<https://www.youtube.com/watch?v=v14pUmpmW1o&t=1s>)
- 2016 You're Tuned to CBS: SOIL's Sasha Kramer, Kory Russel, and Container Based Sanitation. SHHH Podcast. June 23, 2016. (<http://www.podcasts.com/shhh-77/episode/youre-tuned-to-cbs-soils-sasha-kramer-kory-russel-and-container-based-sanitation>)

2016 – ACTING ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2015 Sanitation: When Toilets Fly. March 16, 2015. (<https://woods.stanford.edu/news-events/news/water-solutions-when-toilets-fly>)
- 2014 Sanitation solution for urban slums gets national recognition. The Dish. Oct 4, 2014. (<http://news.stanford.edu/thedish/2014/10/21/sanitation-solution-for-urban-slums-gets-national-recognition/>)
- 2014 Dry toilets are a thing that might save the world. Collectively.org. Nov 7, 2014. (<https://collectively.org/en/article/dry-toilets-are-a-thing-that-might-save-the-world>)
- 2014 re.source sanitation work featured in; Designing the Next Generation of Sanitation Businesses: A Report by Hystra for the Toilet Board Coalition. September 2014. (http://static.squarespace.com/static/51bef39fe4b010d205f84a92/t/54073979e4b0cd91b7e776e4/1409759609026/HystraSanitation_122pp_Web.pdf)
- 2014 re.source sanitation work featured in; A Collection of Contemporary Toilet Designs. EOOS and WEDC, Loughborough University. 2014, (<http://wedc.lboro.ac.uk/knowledge/>) ISBN: 978 1 84380 155 9

- 2013** Third Sanitation Experts Webinar, "Innovative Sanitation Solutions for Urban Areas," SuSanA Forum. (<http://forum.susana.org/forum/categories/139-general-information-and-announcements/5624-5th-webinar-on-21-january-2014-sanitation-webinars-with-bmgf-grantees-organised-by-stockholm-environment-institute>)
- 2013** Sanitation project wins kudos from sustainability leaders. The Dish. June 4, 2013. (<http://news.stanford.edu/thedish/2013/06/04/sanitation-project-wins-kudos-from-sustainability-leaders/>)

RESEARCH EXPERIENCE AND FIELD WORK

- 2020-current** International Co-Principal Investigator, ESRC GCRF - Rethinking off-grid cities Grant. Lima, Peru; Cap-Haitien, Haiti; Cape Town, South Africa; Naivasha and Nairobi, Kenya. In collaboration with Cranfield University.
- 2019-current** Co-Principal Investigator, Climate-Positive Sanitation: A Greenhouse Gas Emission Calculator for CBS and traditional systems. Cap-Haitien, Haiti; Antananarivo, Madagascar; Naivasha and Nairobi, Kenya. CBSA and WSSCC funded research.
- 2019-current** Co-Principal Investigator, Landscape for Humanity. Eugene, Oregon. In collaboration with Opportunity Village and Community Supported Shelters. Eugene, Oregon.
- 2019-current** Core Team Member, Open Home Project. Eugene, Oregon.
- 2017-current** Principal Investigator, Creation of green space in informal settlements utilizing compost from human waste. Lima, Peru. University of Oregon in collaboration with x-runner.
- 2019-2022** Co-Principal Investigator, Sustainable Sanitation and Customer Attrition. Cap-Haitien, Haiti. In collaboration with SOIL.
- 2018-2020** Co-Principal Investigator, Comparing Sustainable Sanitation Choices: A cost effectiveness analysis of CBS and traditional systems. Lima, Peru; Cap-Haitien, Haiti; Kumasi, Ghana; Antananarivo, Madagascar; Naivasha and Nairobi, Kenya. CBSA research.

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2014-2015** Lead Researcher, measurement, and modeling of human energy expenditure as it relates to rural women water fetchers. Nampula, Mozambique. Stanford University in collaboration with Lúrio University, Mozambique.
- 2010-2014** Research Assistant, Impact evaluation of Millennium Challenge Corporation-sponsored Rural Water Supply Activity Investment. Nampula Province, Mozambique. Stanford University in collaboration with Virginia Tech University.
- 2012-2014** Co-lead Researcher, Impact evaluation of mobile integrated sanitation service, implemented in a dense urban settlement. Cap-Haitien, Haiti. Stanford University.
- 2010** Research Assistant, Baseline evaluation of water resale practices and policy formalization. Maputo, Mozambique. Stanford University.

- 2009 Research Assistant, Rural Water Systems Sustainability Study Kenya. Stanford University.
- 2004-2005 Principal Investigator, Dialectic variations of the female hiccup call amongst sub-populations of the Florida Scrub Jay. Dr. Jan Reber, Taylor University.
- 2003-2004 Research Assistant, Grant County Resident Environmental Concern Telephone Survey. Taylor University.
- 2003-2004 Research Assistant, Indiana Streams Sediment Load Project. Taylor University.

PROFESSIONAL EXPERIENCE AND SERVICE

- 2023-present Grand Challenges Canada TTS Grant Peer Reviewer.
- 2022-present Advisory Board Member, Leap Frog Design.
- 2022-present Advisory Board Member, SOIL.
- 2020-present Toilet Board Coalition, Partnership Council Member (www.toiletboard.org/about).
- 2019-present Co-founder, Landscape for Humanity (L4H) Lab (www.landscape4humanity.org).
Using landscape as the fundamental framework for creating spatial changes that support social and environmental justice.
- 2019 Container-Based Sanitation Alliance Meeting at FSM5 2019. Cape Town, South Africa. Co-facilitator for CBSA Meeting. February 16-18.
- 2016-present Chair, Container-Based Sanitation Alliance. Spearheading formation, outreach and research activities to be undertaken through the alliance and its funders. The CBSA consists of organizations located in Peru, Haiti, Ghana, Kenya, India, Madagascar and the UK.
- 2012-present Co-founder, re.source sanitation research initiative (www.resourcesanitation.com).
Student-focused research initiative working on solutions for urban sanitation in low-income settings.

2019 – ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2018 Container-Based Sanitation Alliance Meeting at World Water Week 2018. Stockholm, Sweden. Co-facilitator for CBSA Meeting. August 26 – September 31.
- 2017 Container-Based Sanitation Alliance Meeting at World Water Week 2017. Stockholm, Sweden. Co-facilitator for CBSA Meeting. August 30 – September 1.

2016 – ACTING ASSISTANT PROFESSOR AT UNIVERSITY OF OREGON

- 2015-2016 Research Assistant, School of Humanities and Sciences Departmental Academic Experience Survey. Stanford University.

- 2014-2016** Advisor and instructor for international development projects, Engineers for a Sustainable World, Stanford University.
- 2011-2013** Speaker, twelve club speaking tour of Rotary District 5170, Rotary District Scholar, California.
- 2011** Panel Member, Civil and Environmental Engineering Graduate Fellowship Writing Seminar, Stanford University.
- 2010-2011** Graduate Student Co-Coordinator, Stanford Civil and Environmental Engineering Lecture Series. Stanford University.
- 2009** Experimental Biology Aide, Oregon Department of Fish and Wildlife. Roseburg, Oregon.
- 2007-2008** Peace Corp Volunteer Leader for Project Development, Mozambique, Southern Africa.
- 2005-2008** Founding Member, Peer Support Network. United States Peace Corps, Mozambique.
- 2005-2007** Peace Corp Education Volunteer, Mozambique, Southern Africa.
- 2003-2005** President, Stewards of Creation: Environmental Club, Taylor University.