

JENNA H. TILT, Ph.D.
CURRICULUM VITAE
6/9/2024

Assistant Professor
College of Earth, Ocean, Atmospheric Sciences
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CAREER SUMMARY

I am a social scientist who studies the human dimensions of natural hazards, particularly equitable and just adaptation, disaster recovery, and community resilience. As a practitioner of convergence research, I co-produce mixed methods research with community members and scientists with diverse expertise. Our collaborative work explores how natural and built systems influence the human impacts of natural disasters, to understand the uneven impacts of realized and potential disasters. These community-engaged research methods and experiences greatly inform my teaching and mentorship.

A. PROFESSIONAL PREPARATION

A1. EDUCATION

Ph.D. Social Sciences, College of Forest Resources, University of Washington 2007
Dissertation: Neighborhood Vegetation and Preferences: Exploring Walking Behaviors in Urban and Suburban Environments. Advisors: Gordon Bradley & Anne Kearney

Graduate Certificate in Urban Ecology, University of Washington 2007

M.S. Social Sciences, College of Forest Resources, University of Washington 2001
Thesis: Perceptions of Rural Character: More than what meets the eye. Advisor: Anne Kearney

B.S. Environmental History, *cum laude*, Utah State University 1998

A2. ACADEMIC APPOINTMENTS

College of Earth, Ocean, and Atmospheric Sciences, Oregon State University Corvallis, OR
Assistant Professor (Tenure Track) 2022-current

Affiliate Faculty Member in Environmental Sciences, Marine Resource Management, and Water Resources Graduate Programs

Senior Instructor 2021-2022

Held jointly with Assistant Professor (Senior Research) position

Assistant Professor (Senior Research) 2015-2022

Held jointly with Instructor and Senior Instructor positions

Faculty Research Associate 2009-2015

Held jointly with Instructor position

Instructor 2008-2021

Held jointly with Faculty Research Associate and Assistant Professor (Senior Research) positions

School of Infrastructure, Indian Institute of Technology Bhubaneswar, India
Visiting Faculty Member 2020

Scheme for Promotion of Academic and Research Collaboration (SPARC) Program

College of Forest Resources, University of Washington Seattle, WA
Integrative Graduate Education and Traineeship (IGERT) Fellow 2003-2007

Urban Ecology IGERT (National Science Foundation)

A3. PROFESSIONAL APPOINTMENTS

King County (WA) Natural Resource and Regional Planner I

2001-2003

A4. PROFESSIONAL DEVELOPMENT

- 2022 DEI Training, Cascadia CoPes Hub
- 2022 Respectfully Engaging Tribes 101, Cascadia CoPes Hub
- 2022 Mentoring Workshop, OSU Graduate School
- 2021 Social Justice Education Initiative Tier One and Two Workshops, OSU Human Resources
- 2018 National Association of Geoscience Teachers (NAGT) Geoscience Education Research Workshop, CEOAS, OSU
- 2016 Rural Leadership Institute, Ford Family Foundation
- 2015 ESRI Storymap Training Workshop, Ecampus OSU

B. TEACHING (50%)

Instructional Summary. Subject areas include land use planning, site planning, natural hazard mitigation, community resilience, natural resource decision-making, socio-ecological systems, and geospatial techniques and analyses.

B1. COURSES TAUGHT: *Course numbers, term, year, and number of students enrolled*

Course No.	Title	Credit Hour	No. of Students	Term/Year
GEOG 250	Land Use Planning for Sustainable Communities	3	40	S 24
eGEOG 250	Land Use Planning for Sustainable Communities	3	57	W 24
eGEOG 4/551	Planning Principles and Practices for Resilient Communities	4	39	S 23
GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	15	F 22
ENSC 4/552	Environmental Assessment	3	23	S 22
GEOG 250	Land Use Planning for Sustainable Communities	3	33	S 22
eENSC 4/552	Environmental Assessment	3	37	W 22
eGEOG 4/551	Planning Principles and Practices for Resilient Communities	4	39	W 22
GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	27	F 21
eGEOG 250	Land Use Planning for Sustainable Communities	3	40	F 21
eGEOG 201	Foundations of Geospatial Science and GIS	4	40	SU 21
GEOG 250	Land Use Planning for Sustainable Communities	3	22	S 21
eENSC 4/552	Environmental Assessment	3	37	S 21
ENSC 4/552	Environmental Assessment	3	22	W 21
GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	28	W 21
eGEOG 250	Land Use Planning for Sustainable Communities	3	50	F 20
GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	17	F 20
GEOG 201	Foundations of Geospatial Science and GIS	4	58	SU 20
GEOG 4/552	Sustainable Site Planning	3	24	S 20
eGEOG 4/551	Planning Principles and Practices for Resilient Communities	4	28	S 20
GEOG 250	Land Use Planning for Sustainable Communities	3	22	S 20
eGEOG 250	Land Use Planning for Sustainable Communities	3	38	W 20
eGEOG 4/552	Sustainable Site Planning	3	39	W 20
GEOG 240	Climate Change, Water, and Society	3	44	F 19
GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	19	F19
GEOG 300	Sustainability for the Common Good	3	26	SU 19
eGEOG 4/552	Sustainable Site Planning	3	31	S 19
GEOG 250	Land Use Planning for Sustainable Communities	3	21	S 19
eGEOG 250	Land Use Planning for Sustainable Communities	3	29	W 19
GEOG 4/552	Sustainable Site Planning	3	20	W 19

GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	15	F 18
GEOG 300	Sustainability for the Common Good	3	29	SU 18
GEOG 300	Sustainability for the Common Good	3	39	SU 18
GEOG 250	Land Use Planning for Sustainable Communities	3	17	S 18
GEOG 4/552	Sustainable Site Planning	3	12	W 18
GEO 518	Geoscience Communication	3	17	W 18
GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	8	F 17
GEOG 300	Sustainability for the Common Good	3	41	SU 17
GEOG 4/551	Planning Principles and Practices for Resilient Communities	4	9	W 17
GEOG 4/552	Sustainable Site Planning	3	10	F 16
eGEOG 300	Sustainability for the Common Good	3	49	F 16
NR 455	Natural Resource Decision Making	3	29	S 16
eGEO 4/523	Land Use of the American West	3	15	S 16
eGEO 465	Geographic Information Systems and Sciences	4	15	W 16
GEO 4/551	Environmental Site Planning	3	28	F 15
eNR 455	Natural Resource Decision Making	3	35	F 15
eNR 201	Managing Natural Resources for the Future	3	26	SU 15
eNR 455	Natural Resource Decision Making	3	25	SU 15
eGEO 4/523	Land Use in the American West	3	18	S 15
NR 455	Natural Resource Decision Making	3	29	S 15
GEO 4/552	Principles and Practices of Rural and Resource Planning	3	12	W 15
eNR 455	Natural Resource Decision Making	3	40	W 15
GEO 4/551	Environmental Site Planning	3	25	F 14
eGEO 360	Cartography	3	18	F 14
eNR 201	Managing Natural Resources for the Future	3	31	SU 14
eNR 455	Natural Resource Decision Making	3	36	SU 14
eGEO 4/523	Land Use of the American West	3	11	S 14
NR 455	Natural Resource Decision Making	3	49	S 14
eNR 455	Natural Resource Decision Making	3	32	W 14
GEO 4/551	Environmental Site Planning	3	15	F 13
eNR 201	Managing Natural Resources for the Future	3	17	SU 13
eNR 455	Natural Resource Decision Making	3	31	SU 13
eGEO 4/523	Land Use of the American West	3	12	S 13
eANTH 581	Natural Resources and Community Values	3	9	S 13
GEO 4/520	Geography of Resource Use	3	21	W 13
eNR 455	Natural Resource Decision Making	3	34	W 13
GEO 4/523	Land Use of the American West	3	46	F 12
eNR 455	Natural Resource Decision Making	3	29	SU 12
eGEO 4/523	Land Use in the American West	3	7	S 12
GEO 4/523	Land Use in the American West	3	45	F 11
eNR 455	Natural Resource Decision Making	3	34	F 11
eNR 455	Natural Resource Decision Making	3	n/a*	SU 11
eNR 455	Natural Resource Decision Making	3	n/a	W 11
eNR 455	Natural Resource Decision Making	3	n/a	SU 10
eNR 455	Natural Resource Decision Making	3	n/a	W 10
eNR 455	Natural Resource Decision Making	3	n/a	SU 09
eNR 455	Natural Resource Decision Making	3	n/a	W 09
Geo 4/553	Resource Evaluation Methods/EIS	3	n/a	W 09
eNR 455	Natural Resource Decision Making	3	n/a	W 08

81 courses, >1000 students

Course Products Prepared for Stakeholders

I provide students with a “real world” learning laboratory by collaborating with community partners and stakeholders to create applied student projects. The following is a list of these products and who they were prepared for.

- 2021 OSU College of Agriculture East Hill Farm Property Site Management Plan. Prepared for OSU, College of Agriculture, City of Corvallis, OR, and Greenbelt Land Trust. Geog/ENSC 452/552: Environmental Assessment.
- 2019 OSU College of Agriculture Corvallis Property Site Management Plan. Prepared for OSU, College of Agriculture, City of Corvallis, OR, and Greenbelt Land Trust. Geog 452/552: Sustainable Site Planning.
- 2018 Adair Park Site Management Plan. Prepared for Benton County, OR: Geog 452/552: Sustainable Site Planning
- 2017 Benton County Parks and Open Space Equity and Access Report. Prepared for Benton County, OR Geog 451/552: Planning Principles and Practices for Resilient Communities
- 2016 North Albany Park Site Management Plan. Prepared for Benton County, OR: Geog 452/552: Sustainable Site Planning
- 2016 Monroe Area Community Revitalization Opportunities (MACRO). Prepared for the City of Monroe, OR: Geo 452/552: Principles and Practices of Rural and Resource Planning
- 2016 Site Selection Assessment for potential new home for the Avery Educational Center. Prepared for Corvallis Environmental Center: Geo 452/552: Principles and Practices of Rural and Resource Planning
- 2015 Bellchambers Property Site Management Plan. Prepared for the City of Monroe, OR: Geo 451/551: Environmental Site Planning
- 2015 Bailey Branch Side Property Site Management Plan. Prepared for Benton County, OR: Geo 451/551: Environmental Site Planning
- 2015 Long Tom Bridge Crossing Site Management Plan. Prepared for the City of Monroe, OR: Geo 451/551: Environmental Site Planning
- 2015 Multi-use Path Alternatives: Suitable options and opportunities for South Benton County. Prepared for Benton County and AFRANA. Geo 452/552: Principles and Practices of Rural and Resource Planning
- 2014 Bellfountain Park Management Plan. Prepared for Benton County, OR: Geo 451/551: Environmental Site Planning
- 2014 Bailey Branch Rail Property Site Management Plan. Prepared for Benton County, OR: Geo 451/551: Environmental Site Planning

B2. CURRICULUM DEVELOPMENT

I have developed three original courses (Geog 250, Geog 4/551, Geog 4/551, and NR 455) for in-person and Ecampus delivery. In addition, I have completely re-developed four existing courses: NR 455, eNR 455, Geog 300, and eGEO 4/523.

Year	Course
2019	eGEOG 4/551: Planning Principles and Practices for Resilient Communities
2019	eGEOG 4/552: Sustainable Site Planning
2019	eGEOG 250: Land Use Planning for Sustainable Communities
2018	GEOG 250: Land Use Planning for Sustainable Communities
2018	GEOG 300: Sustainability for the Common Good
2017	GEOG 4/551: Planning Principles and Practices for Resilient Communities
2016	GEOG 4/552: Sustainable Site Planning
2013	eNR 455: Natural Resource Decision Making (re-development)
2012	eGEO 4/523: Land Use of the American West
2009	eNR 455: Natural Resource Decision Making

B3. PROGRAM DEVELOPMENT

2021 Geography MS Online Degree Program. *I developed the online degree program proposal for Oregon State Ecampus Program and initiated the online degree program development with Ecampus, Geography faculty members, and CEOAS leadership.*

B4. ADVISING

Post-Doctoral Advisor

Name	Dates
Andrea Mah	2024 - Current
Amanda Thiel	2023 – Current
Natasha Fox	2022 –2023
Andres Schmidt (coadvise)	2020 –2023

Graduate Student Thesis/Dissertation Advisor

Name	Major	Degree	Date Entered Program	Graduation Date
Joshua Blockstein	Environmental Sciences	Ph.D.	Fall 2023	Current Student
Nancy Hiner	Geography and Geospatial Sciences	M.S.	Fall 2023	Current Student
Emma Gleeman	Geography and Geospatial Sciences	M.S.	Fall 2023	Current Student
Najiba Rashid	Geography and Geospatial Sciences	Ph.D.	Fall 2021	Current Student
Eliza Amstutz	Geography and Geospatial Sciences	M.S.	Fall 2021	Spring 2023
Trisha Patterson	Public Policy	M.S.	Fall 2021	Spring 2023
Joshua Blockstein	Marine Resource Management	M.S.	Fall 2021	Spring 2023
Maria Jose Iglesias Thome (coadvise)	Water Resources Policy and Management	M.S.	Fall 2021	Fall 2023
Katherine Stanton	Anthropology	M.A.	Fall 2018	Spring 2020
Brent Doty	Natural Resources	M.S.	Fall 2018	Spring 2021
Joshua Applegate	Environmental Sciences	Ph.D.	Fall 2017	Summer 2024
Froggi VanRiper (coadvise)	Environmental Sciences	Ph.D.	Fall 2017	Spring 2021
Michelle Tahal (coadvise)	Environmental Sciences	Ph.D.	Fall 2016	Spring 2019
Douglas Chambers	Water Resources Policy and Management	M.S.	Fall 2015	Spring 2017
Christine Johnson (coadvise)	Forest Ecosystems and Society	M.S.	Fall 2015	Spring 2017
Abbey Driscoll (coadvise)	Forest Ecosystems and Society	M.S.	Fall 2012	Spring 2014
Candice Weems (coadvise)	Geography and Geospatial Sciences	Ph.D.	Fall 2016	Spring 2016

Graduate Student Advisory Committee

Name	Major	Degree	Date Entered Program	Graduation Date
Segnide Guidimadjegbe	Geography	Ph.D.	Fall 2021	Current Student

Amina Meselhe	Civil Engineering	Ph.D.	Fall 2022	Current Student
Julie Sorfleet	Environmental Science & Management (Cal Poly Humboldt)	M.S.	Fall 2023	Current Student
Emma Sloan	Forest, Ecosystems, and Society	M.S.	Fall 2021	Spring 2023
Ashley Voisinet	Water Resource Policy & Management	M.S.	Fall 2021	Spring 2023
Abigail Knipp	Marine Resource Management	M.S.	Fall 2021	Summer 2023
Dylan Sanderson	Civil Engineering	Ph.D.	Fall 2019	Spring 2023
Souksavanh Keovorabouth	Women, Gender, and Sexuality Studies	Ph.D.	Fall 2019	Spring 2023
Meredith Leung	Geology	Ph.D.	Fall 2019	Spring 2024
Derek Godwin	Water Resource Policy & Management	Ph.D.	Fall 2018	Current Student
Fatima Taha	Geography	Ph.D.	Fall 2017	Spring 2020
Shane James	Anthropology	M.S.	Fall 2017	Spring 2019
Brian Katz	Geography	M.S.	Fall 2017	Spring 2020
Zach Pike-Urlacher	Water Resource Policy and Management	M.S.	Fall 2017	Spring 2019
Malia Losordo	Water Resource Policy and Management	M.S.	Fall 2015	Spring 2018
Luis Angel Gomez Cunya	Civil Engineering & Water Resources Policy	Ph.D.	Fall 2013	Spring 2018
Heaven Manning	Environmental Sciences	M.S.	Fall 2012	Spring 2014
Tucker Selko	Water Resources Policy and Management	M.S.	Fall 2011	Spring 2013
Michelle Mileham	Environmental Sciences	Ph.D.	Fall 2011	Spring 2015
Candice Weems	Geography	M.S.	Fall 2010	Spring 2012

Undergraduate Internships and Advising

Name	Major	Internship Title	Funding Source	Year
Michael Garduno	Geography and Geospatial Science	<i>Social Media (Twitter) data coding and analysis</i>	Alfred P. Sloan Foundation	2023-2024
Irene Pablo-Lora	Sociology	<i>Inclusive Hazard Awareness Materials</i>	Cascadia CoPes Hub	2022-2023
Shaun Trevathan	Geography and Geospatial Science	<i>Envisioning Oregon's Coastal Futures Storymap</i>	n/a	2022
Kyle Delonis	Geography and Geospatial Science	<i>Latinx participatory mapping geocoding and analysis</i>	n/a	2021
Sophie Waterman	Geography and Geospatial Science	<i>Latinx Place attachment storymap</i>	n/a	2021
Anthony Marroquin	Geography and Geospatial Science	<i>Participatory mapping development</i>	n/a	2020

Aeron Sheppard	Geography and Geospatial Science	Assistance with focus group interviews	n/a	2019
Guillermo Bermudez	Geography and Geospatial Science	Map development	n/a	2018

B5. TEAM OR COLLABORATIVE EFFORTS

- 2023 Cascadia (CHARTER) Fellows “Bootcamp.” (Community Asset Mapping, Hazard Awareness and Community Facilitation). Organized and funded by the Cascadia CoPes Hub.
- 2022 Cascadia (CHARTER) Fellows “Bootcamp.” (Community Asset Mapping, Hazard Awareness and Community Facilitation). Organized and funded by the Cascadia CoPes Hub.
- 2022 Data-Driven and Stakeholder-Centered Adaptive Management of Food, Energy, and Water (FEW) Nexus. Virtual Workshop for Indian Graduate Students and Scholars. Sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC) and Ministry of Education Government of India. Workshop Organizer and Presenter in partnership with Dr. Meenu Ramadas (IIT, Bhubaneswar) Suresh Marru (Indiana University), and Dr. Nagesh Kolagani (Centurion University, India) and Dr. Meghna Babbar-Sebens (OSU).
- 2020 Training workshop on “From Knowledge to Action: A Vision for Resilient Rural India” on January 7-9, 2020 at School of Infrastructure, IIT Bhubaneswar, India. Funded by SPARC, Ministry of Human Resource Development, India. In partnership with Dr. Meenu Ramadas (IIT, Bhubaneswar), Dr. R. Srinivasan (Texas A&M University), Dr. Venkat Sridhar (Virginia Tech), Dr. Venkata Reddy (NIT, Warangal, India), Dr. Nagesh Kolagani (Centurion University, India) and Dr. Meghna Babbar-Sebens (OSU).

C. SCHOLARSHIP AND CREATIVE ACTIVITY (40%)

C.1 PUBLICATIONS

Google Scholar: H-Index – 12; i10-Index – 12

Total citations: 683

The following key is used to denote my role in each paper.

- [A] Lead writer of manuscript or worked closely with a student in drafting the manuscript
 [B] Contributed to the study's conception, data acquisition, and analysis and manuscript development
 [C] Contributed to data analysis and/or data acquisition and manuscript development
 [D] Contributed to the final submitted manuscript

\$ Resulting from or dependent on grants to Tilt (as PI or Co-PI)

*student mentee, P postdoctoral mentee

Soon to be submitted

33. **Tilt, J.H.**, Olmeta-Schult, F., *Blockstein, J. Creating Inclusive Disaster Hazard Awareness Programs. *Society and Natural Resources*. [A\$]
32. *Patterson, T., and **Tilt, J.H.** The Housing-Hazard Nexus. *Journal of the American Planning Association* [A\$]
31. *Amstutz, E., **Tilt, J.H.**, and Ellsworth, L. Indicators of Wildfire Community Resilience in Santa Rosa and Paradise, California. *Society and Natural Resources* [A\$]

Under Review

30. *Meselhe, A., *Sanderson, D., Cox, D., **Tilt, J.H.** Human-centered connectivity and transportation network recovery following a Cascadia Subduction Zone Earthquake and Tsunami. *Sustainable and Resilient Infrastructure* [C\$]

29. *Blockstein, J., **Tilt, J.H.**, Botello, B. Daily vulnerability and disaster resilience: A case study of preferred community assets and social capital for Latinx coastal residents. *International Disaster Prevention and Management*. Under Review. [A\$]
28. **Tilt, J.H.**, Ellsworth, L., ^PSchmidt, A., Gough, M., and *Amstutz, E. Using Fuzzy Logic to Develop a Localized Social Vulnerability Assessment for Wildland-Urban Interface Communities. *International Journal of Disaster Risk Reduction*. Under Review [A\$]
- 2024**
27. Uslu, S., Kaur, D., Rivera, S., Durresti, A., Babbar-Sebens, M., **Tilt, J.H.** (2024). A trustworthy and responsible decision-making framework for resource management in food-energy-water nexus: A control-theoretical approach. *Transactions on Intelligent Systems and Technology*. doi.org/10.1145/3660640 [D\$]
26. Kolesar, S., Ruggiero, P., Tullos, D., **Tilt, J.H.**, Tilt, B., and Thompson, B. (2024). Co-Producing Knowledge for Coastal Hazards: Lessons from Oregon Sea Grant SEED-LEAF program. *Oceanography*, 37(1): 19-25. <https://www.jstor.org/stable/27301077> [B\$]
25. *Cunya L.A.G, Babbar-Sebens, M., Tullos, D., and **Tilt, J.H.** (2024). Attitudes toward moving or staying and buying flood insurance to face varied flood threats in a floodplain community. *International Journal of Disaster Risk Reduction*. doi.org/10.1016/j.ijdr.2024.104432 [B]
24. **Tilt, J.H.**, Babbar-Sebens, M., Kolagani, N., Naren, U.S., Ramadas, M., and Gorripati, R. (2024). A community engaged approach to understanding a hyper-localized Food, Energy, and Water Nexus in rural India. *Journal of Water Resources Planning and Management*. doi.org/10.1061/JWRMD5.WRENG-6154 [A\$]
- 2023**
23. ^PFox, N., **Tilt, J.H.**, Ruggiero, P., *Stanton, K., and Bolte, J. (2023). Toward equitable coastal community resilience: The Great East Japan Earthquake and the Cascadia Subduction Zone. *Coastal Futures*, 1(e36). doi.org/10.1017/cft.2023.24_ [A\$]
22. *Applegate, J.D and **Tilt, J.H.** (2023). Using content and comparative analysis to contextualize the criteria for urban resiliency planning from international and US cities perspectives. *Frontiers in Environmental Science*, 11. doi.org/10.3389/fenvs.2023.1103115 [A\$]
21. *Stanton, K., and **Tilt, J.H.** (2023). Building resilient Oregon coastal communities: Reimagining critical facilities through Latinx Sense of Place. *International Journal of Disaster Risk Reduction*, 87. doi.org/10.1016/j.ijdr.2023.103600 [A\$]
20. ^PSchmidt, A., Ellsworth, L.M., **Tilt, J.H.**, and Gough, M. (2023). Application of Deep Convolutional Networks for Improved Risk Assessments of Post-Wildfire Drinking Water Contamination. *Machine Learning with Applications*, 11. doi.org/10.1016/j.mlwa.2023.100454 [B\$]
- 2022**
19. **Tilt, J.H.**, Mondo, H., Giles, N., Rivera, S., and Babbar-Sebens, M. (2022). Demystifying the fears and myths: The co-production of a regional food, energy, water (FEW) nexus conceptual model. *Environmental Science and Policy*, 13: 69-82. doi.org/10.1016/j.envsci.2022.02.011[A\$]
18. *VanRiper, F., Russel, K., Tillias, D., **Tilt, J.H.** and Laporte, J. (2022). Container-based sanitation in urban Haiti: How can it improve human rights as a component of citywide inclusive sanitation? *H2Open*, 5(1): 135-152. doi.org/10.2166/h2oj.2022.037 [B]

17. ^PSchmidt, A., Ellsworth, L.M., **Tilt, J.H.**, and Gough, M. (2022). Predicting conditional maximum contaminant level exceedance probabilities for drinking water after wildfires with Bayesian regularized network ensembles. *Machine Learning with Applications*, 7, 100227. doi.org/10.1016/j.mlwa.2021.100227 [B\$]
 16. *Cunya L.A.G, **Tilt, J.H.** Babbar-Sebens, M., and Tullos, D. (2022). Perceived risk and preferences of response and recovery actions of individuals living in a floodplain community. *International Journal of Disaster Risk Reduction*, 67, 102645. doi.org/10.1016/j.ijdr.2021.102645 [A]
- 2021**
15. **Tilt, J.H.**, and Ries, P. (2021). Constraints and catalysts towards operationalizing a green infrastructure program in rural communities. *Urban Forestry and Urban Greening*, 63, 127138. doi.org/10.1016/j.ufug.2021.127138 [A\$]
 14. *Talal, M., Santelmann, M., and **Tilt, J.H.** (2021). Urban park visitor preferences for vegetation—An on-site qualitative research study. *Plants, People, Planet*, 1-14. doi.org/10.1002/ppp3.10188 [B]
 13. Uslu, S., Kaur, D., Rivera, S.J., Durresi, A., Babbar-Sebens, M., and **Tilt, J.H.** (2021). A trustworthy human-machine framework for collective decision making in Food-Energy-Water management: The role of trust sensitivity. *Knowledge-Based Systems*. doi.org/10.1016/j.knosys.2020.106683 [D\$]
- 2019-2007**
12. *Johnson, C., **Tilt, J.H.**, Ries, P., and Schindler, B. (2019). Continuing education for green infrastructure: Fostering collaboration through interdisciplinary trainings. *Urban Forestry and Urban Greening*, 41: 283-291. doi.org/10.1016/j.ufug.2019.04.021 [A\$]
 11. *Driscoll, A., Ries, P.D., **Tilt, J.H.**, Ganio, L.M. (2015). Needs and barriers to expanding urban forestry programs: An assessment of community leaders and program managers in the Portland-Vancouver metropolitan region. *Urban Forestry & Urban Greening*, 14(1): 48-55. doi.org/10.1016/j.ufug.2014.11.004 [A\$]
 10. **Tilt, J.H.** and Cerveny, L.K. (2013). Master-planned in exurbia: Examining the drivers and impacts of master-planned communities at the urban fringe. *Landscape and Urban Planning*, Vol. 114, 102-112. doi.org/10.1016/j.landurbplan.2013.03.003 [A\$]
 9. Kearney, A.R., **Tilt, J.H.**, and Bradley, G. (2010). The effects of forest regeneration on preferences for forest treatments among foresters, environmentalists, and the general public.” *Journal of Forestry*, Vol. 108 (5), 215-229. doi.org/10.1093/jof/108.5.215 [A]
 8. **Tilt, J.H.** (2010). Walking trips to parks: Exploring demographic, environmental factors and preferences for adults with children in the household.” *Preventive Medicine*, Vol. 50 (Suppl.1), S69-S73. doi.org/10.1016/j.ypmed.2009.07.026 [A]
 7. **Tilt, J.H.**, Unfried, T.M., Roca, B. (2007). Using objective and subjective measures of neighborhood greenness and accessible destinations for understanding walking trips and BMI in Seattle, Washington.” *American Journal of Health Promotion* Vol. 21 (4), 371-379. doi.org/10.4278/0890-1171-21.4s.3 [A]
 6. **Tilt, J.H.**, Kearney, A.R and Bradley, G. (2007). Understanding rural character: Cognitive and visual perceptions. *Landscape and Urban Planning* Vol. 81, 14-26. doi.org/10.1016/j.landurbplan.2006.09.007 [A]

Peer-reviewed chapters

5. Uslu S., Kaur D., Rivera S.J., Durresi A., Babbar-Sebens M., and **Tilt J.H.** (2021). Control Theoretical Modeling of Trust-Based Decision Making in Food-Energy-Water Management. In: Barolli L., Poniszewska-Maranda A., Enokido T. (eds) Complex, Intelligent and Software Intensive Systems. CISIS 2020. Advances in Intelligent Systems and Computing, vol 1194. Springer, Cham. doi.org/10.1007/978-3-030-50454-0_10. [D\$]
4. **Tilt, J.H.** and Cervený, L. (2020). “Urban nature and human physical health” in Anderson, P., Douglas, I., Goode, D., Houck, M., Maddox, D., Nagendra, H., and Yok, T. P. (Eds.), *The Routledge Handbook of Urban Ecology, Second Edition*, Ch. 548. [A\$]
3. Box, J., Boon, R., Kwanda, T., Stupar, A., **Tilt, J.H.** and Vasquez, A. (2020). “The role of targets and standards in delivering urban greenspace for people and wildlife.” in Anderson, P., Douglas, I., Goode, D., Houck, M., Maddox, D., Nagendra, H., and Yok, T. P. (Eds.) *The Routledge Handbook of Urban Ecology, Second Edition*, Ch. 73. [A]
2. **Tilt, J.H.** and Cervený, L.K. (2016). “Politics of landscape transformation in exurban King County, Washington.” In Taylor, L.E. and Hurley, P.T. (Eds) *A Political Ecology of Sprawl: Understanding Rural to Exurban Landscape Transitions*. (Springer) [A\$]
1. **Tilt, J.H.** (2010). “Urban nature and human physical health” in Douglas, I., Good, D., Houck, M., and Wang, R. (Eds.) *The Routledge Handbook of Urban Ecology*, Ch. 32. [A]

C.2 PROFESSIONAL PRESENTATIONS

I have presented 13 invited talks and 41 total conference presentations.

¹Invited, ²Abstract Published, ³Session Chair, *student mentee, [†]Postdoctoral mentee

Invited Talks

- ¹**Tilt, J.H.** “Where Fire Meets Water: Community Recovery from and Potential Adaptations to Disasters in Oregon, USA.” *Disaster, Climate and Adversity Unit*, University of Melbourne. June 20, 2024.
- ¹**Tilt, J.H.** “Water Contamination and Wildfire Community Recovery.” *Possibility Lab*, Australian Institute of Disaster Resilience. Webinar, Australia.
- ¹**Tilt, J.H.** “Interactive Adaptation and Collaboration Tool for Managing Water, Energy, and Land.” *Engage INFEWS Lightning Talks* (Online), May 2022. Online.
- ¹**Tilt, J.H.** “Envisioning Oregon’s Coastal Futures.” Session 1a: Cascadia Earthquake Disaster Risk Reduction, Community Resilience Session. *EERI Annual Meeting* (Online), March 2021
- ¹**Tilt, J.H.** “Community Benefits of Green Infrastructure.” *Drainage and Density—the forgotten infrastructure workshop. Building a Better Bend speaker series*. Bend, OR. May 2019.
- ¹**Tilt, J.H.** “InterACTWEL: A stakeholder driven approach to Food, Energy, and Water Nexus adaptation & decision-making.” *FEWESTERN Leadership meeting*, Sponsored by National Science Foundation. University of Tennessee. Knoxville, TN. Feb. 2019.
- ¹**Tilt, J.H.** “Lessons from the field: Creating a collaborative, stakeholder-driven approach to food, energy, and water adaptation and resilience planning.” *China-US 2018 Joint Eco-environmental Symposium, Advances in Critical Needs for the Nexus of Food, Energy, and Water systems*. Sponsored by National Science Foundation and National Science Foundation of China. March 2018.

- ¹Babbar-Sebens, M., **Tilt, J.H.**, Murthy, G., Reimer, J., Mukhopadhyay, S., Durresti, A., Giles, N.A., Mondo, H., Tabatabaie, H., Rivera, S., Farahani, M., Cody, C., Ruan, Y., and Alfantoukh, L. “INFEWS/T2 - A Secure Decision Support System for Coordination of Adaptation Planning Among FEW Actors.” *In: The Pacific Northwest. 2018 Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS) Principal Investigator Workshop*, Alexandria, VA, May 16-18, 2018.
- ¹**Tilt, J.H.**, MacQuarrie, P., Babbar-Sebens, M. “Identifying Adaptive Capacity for local Food-Energy-Water (FEW) nexus systems within a global marketplace. *Stockholm Resilience Center*, Stockholm, Sweden. June 2017
- ¹**Tilt, J.H.** “Green Infrastructure Practices: How we can protect our water.” *Deschutes 350 Climate Conference*. Bend, OR. Feb. 2016
- ¹**Tilt, J.H.** “Perceptions of place and rural places in the wake of land use change.” *Place Identity Seminar*, Norwegian University of Life Sciences, As, Norway. April 2014
- ¹**Tilt, J.H.** “Amenity migration and outdoor recreation at the wildland-urban Interface.” *Out of the Woods Seminar*, Department of Landscape Architecture, University of Oregon. May 2013
- ¹**Tilt, J.H.** “Land Use Planning and Public Spaces.” *Oregon Urban and Community Forestry Conference*, Portland, OR. April 2013.

Conference Presentations

2020-2024

- ³**Tilt, J.H.** “Improving Communities and Ecosystems: The Coastlines and People Program. *Natural Hazards Workshop*. Broomfield, Colorado. July 2024.
- ³**Tilt, J.H.** “Not the Disaster we Expected: Experiencing and Recovering from Wildfire While Preparing for the ‘Big One’.” *International Association for Society and Natural Resources Conference*. Cairns, Australia. June 2024.
- Tilt, J.H.** “Oregon Coastal Community Assets: Preliminary Survey Results.” *The Cascadia Coastlines and Peoples Hazards Research Hub Annual Gathering*. May 2024.
- Tilt, J.H.**, Amstutz, E., and Ellsworth, E. “What’s missing? Applying the concept of “community resilience to WUI communities.” *American Association of Geographers Annual Meeting*. Hawaii (presented virtually). April 2024.
- Auemuller, L., Alston, S., Behl, M., Mosier, S., **Tilt, J.H.**, and Zarger, R. “What Have We Learned When Working at the Intersection of Natural, Human-Built, and Social Systems: A Dialogue with Coastlines and People Projects.” *NOAA Social Coast Forum*. Charleston, S.C. February 2024.
- ²Ruggiero, P., Bostrom, A., Burgos, A., Duvall, A., Errett, N. Gaines, L., Plaza, D., **Tilt, J.H.**, Tobin, H. “Regional advances in co-producing new understanding of acute and chronic coastal hazards: the Cascadia Coastlines and Peoples Hazards Research Hub” *American Geophysical Union Fall Meeting*. San Francisco, CA. December 2023
- *Blockstein, J., and **Tilt, J.H.** “Building Equitable Resilience for Coastal Hazards” *Ecological Society of America*, Portland, Oregon. August 2023.

- *Blockstein, J., and **Tilt, J.H.** “Hidden links: Connections between community assets and social capital in a disaster-resilience context for Latinx communities along the Oregon Coast.” *AESS/ASLE Annual Meeting*. July 2023.
- *Blockstein, J., and **Tilt, J.H.** “Connecting community assets, racialized processes, and social capital for Latinx immigrants in Lincoln County, OR.” *Coastal & Estuarine Research Federation Conference*. November 2023.
- ³Fox, N., and **Tilt, J.H.** “Toward More Equitable Resilient Coastal Futures: Knowledge Co-Creation in Coastal Regions.” *American Association of Geographers*. March 2023.
- ³**Tilt, J.H.** “Using Fuzzy Logic to Develop a Localized Social Vulnerability Assessment for Wildland-Urban Interface Communities.” *American Association of Geographers*. March 2023.
- Tilt, J.H.**, and Amstutz, E. Building WUI Water Distribution Resilience: Social vulnerability, Response, and Recovery to the 2018 Camp Fire and 2017 Tubbs Fire. *Wildfire Resilient Structures Conference (WIRES)*. San Diego, California. February 2023.
- ³Cox, D. and **Tilt, J.H.** “Coastal Community Islanding, Regional Highway Connectivity, and Recovery after a Cascadia Subduction Zone Earthquake and Tsunami.” *State of the Coast, Oregon Sea Grant*. November 2022.
- Tilt, J.H.** “Sensing From All Angles: Building Water Security for Wildland Urban Interface Communities. *Natural Hazards Research and Applications Workshop Researchers Meeting* (Online). July 2022.
- Saduova, A., Gautam, S., Babbar-Sebens, M., Rivera, S.J., **Tilt, J.H.** “Framing the dynamic socio-ecological resilience of a river basin: A case study approach in the Umatilla River Basin, OR, USA.” *ASCE World Environmental & Water Resources Congress*, Atlanta, GA. June 2022.
- Babbar-Sebens, M., Marru, S., Rivera, S., Mukhopadhyay, S., Durresti, A., **Tilt, J.H.**, Reimer, J., and Gautam, S. (2022). “InterACTWEL Cyberinfrastructure: Enabling Longitudinal Stake-holder Decision Support for Adaptation Planning of FEW Nexus in Local Communities.” *INFEWS PI Workshop* (Online). February 2022.
- Tilt, J.H.** “Envisioning Oregon’s Coastal Futures.” *Natural Hazards Research and Applications Workshop Researchers Meeting* (Online). July 2021
- Tilt, J.H.** “Who is Safe?: Building inclusive and equitable hazard mitigation and adaptation strategies for Oregon’s coastal communities” *University-Wide Ignite Research Event: Colloquium on Equity, Inclusion, and Social Justice in Research*, Oregon State University, Corvallis Oregon. April 2021.
- Ruggiero, **Tilt, J.H.** and P., Bolte, J. “Envisioning Oregon’s Coastal Futures.” *Oregon State of the Coast annual meeting* (Online). November 2021
- Uslu, S., Kaur, D., Rivera, S., Durresti, A., Babbar-Sebens, M., Mukhopadhyay, S., and **Tilt, J.H.** “Trustworthy Acceptance of AI-based Collective Management of Food-Water-Energy Resources.” *The 3rd NOAA Workshop on Leveraging AI in Environmental Sciences* (Online) September 2021.

2014-2019

- Babbar-Sebens, M., and **Tilt J.H.** “InterACTWEL: A New Decision Support Tool for Adaptation Planning in the Food, Energy, and Water Sectors,” *13th Annual US - China Eco-Environmental Symposium, Research and Innovation at the Nexus of Food, Energy, and Water Systems*, Seattle, Washington, USA, October 2019.
- Rivera, S.J., Giles, N.A., Reimer, J., Murthy, G., Mukhopadhyay, S., Durresti, A., **Tilt, J.H.**, Babbar-Sebens, M., and Marru, S., “InterACTWEL: A Decision Support System for Adaptation Planning in Food-Energy-Water Sectors of Local Communities,” *2019 Northwest Climate Conference*, Portland, Oregon. October 2019.
- Babbar-Sebens, M., Rivera, S.J., Giles, N.A., **Tilt, J.H.**, Reimer, J., Murthy, G., Mukhopadhyay, S., Durresti, A., Marru, S., and Pierce, M.E., “Stakeholder-Driven Adaptation Planning of Food-Energy-Water Nexus in Local Communities,” *American Geophysical Union Fall Meeting*. San Francisco, California. December 2019.
- Giles, N.A., Babbar-Sebens, M., Rivera, S.J., Tabatabaie, H., Murthy, G., Mukhopadhyay, S., Durresti, A., and **Tilt, J.H.** “A secure decision support system for coordination of adaptation planning among FEW actors.” *American Geophysical Union Fall Meeting*. Washington DC. December 2018.
- Giles, N., Babbar-Sebens, M., **Tilt, J.H.**, and *Mondo, H. “Towards a Stakeholder-driven Planning Approach for Adaptation and Resilience in Food, Energy, and Water Sectors.” *9th International Congress on Environmental Modelling and Software Modelling for Sustainable Food-Energy-Water Systems*. Fort Collins, Colorado. June 2018.
- ³**Tilt, J.H.** “Understanding barriers and opportunities for green infrastructure implementation in urban-rural interface communities.” *International Symposium on Society and Resource Management (ISSRM)*. Umea, Sweden. June 2017.
- Cervený, L.K., and **Tilt, J.H.** “Exploring outdoor recreation patterns along the urban-to-rural continuum: A participatory GIS approach.” *International Symposium on Society and Resource Management (ISSRM)*. Umea, Sweden. June 2017
- Tilt, J.H.**, and Cervený, L.K. “Exploring outdoor recreation patterns along the urban-to-rural continuum: a participatory GIS approach.” *Active Living Research Annual Conference*. Hilton Head, FL. February 2017
- ³**Tilt, J.H.**, Sheikh, A., Cervený, L.K. “Using Participatory GIS to Understand Outdoor Space Visitation Patterns.” *Association of Pacific Coast Geographers*. Portland, OR. October 2016.
- Tilt, J.H.**, and Cervený, L.K. “Nearby nature: Intersecting human and environmental health.” *Society for Applied Anthropology*, Vancouver, B.C. June 2016.
- Cervený, L.K., and **Tilt, J.H.** “Access to nature along the Urban-to-Wildland Continuum.” *Association of American Geographers (AAG) Annual Meeting*. San Francisco, CA. March 2016
- Tilt, J.H.**, and Cervený, L.K. “Amenity migration: Mapping residential locations choices and outdoor recreation activities along the wildland-urban interface.” *International Symposium on Society and Resource Management (ISSRM)*. Charleston, S.C. February 2015.

Tilt, J.H., and Cerveny, L.K. “‘Just following the process:’ Exurban development in the wake of growth management.” *Associate of American Geographers (AAG) Annual Meeting*, Tampa, FL, April 2014.

Tilt, J.H., and Cerveny, L.K. “Participatory mapping of outdoor recreation hotspots in King County, Washington.” *Society for Applied Anthropology*. Albuquerque, NM, March 2014.

2005-2013

Tilt, J.H. “‘This street has a lot of variety’: Understanding the relationship between Neighborhood Design, Canopy Coverage and Physical Activity.” *Associate of American Geographers (AAG) Annual Meeting*. Los Angeles, California. April 2013.

Robbins, A. and **Tilt, J.H.** “The chase for open Space: What amenities are households in search of?” *Associate of American Geographers (AAG) Annual Meeting*. Los Angeles, California. April 2013.

Tilt, J.H., and Cerveny, L. “Patterns of exurban development in the Puget Sound: Case study of the Snoqualmie Valley.” *Associate of American Geographers (AAG) Annual Meeting*. Seattle, Washington. April 2011.

Tilt, J.H. “Exploring the effects of demographic factors and preferences on family walking trips” *Active Living Research Annual Conference*. San Diego, California. February 2009

Tilt, J.H. “Visual preference surveys as a guide to land use planning and natural resources management: Rural Character. *International Symposium on Society and Resource Management*. Vancouver, Canada. June 2006.

Tilt, J.H. “Neighborhood greenness, walkable destinations and health.” *Active Living Research Annual Conference*. Coronado, California. February 2006.

Tilt, J.H. “Understanding rural character at the urban/rural interface.” *Emerging Issues along the Urban-Rural Interfaces: Linking Science and Society*. Atlanta, Georgia. March 2005.

C3. GRANT AND CONTRACT SUPPORT

~\$24.5 million in grant and contract support

TITLE	ROLE	SPONSOR	START	END	PROJECT FUNDS
Collaborative Center for Landslide Geohazards (CCLG)	Senior Personnel, Community Engagement (PI: Rafael Bras, Georgia Tech)	National Science Foundation		<i>Under Review</i>	\$14,998,820 OSU subaward: \$601,555
Co-creating a Community Participatory Resilience Model for Oregon Coastal Hazards	PI	Oregon Sea Grant	2024	2026	\$240,000
Enabling Interdisciplinary Wildfire Research for Community Resilience	Co-PI (PI: Erica Fischer, OSU)	National Science Foundation	2023	2025	\$250,000
Persist, adapt, or transform: What drives WUI community recovery after wildfires?	Co-PI (PI: Lisa Ellsworth, OSU)	BLM-National Interagency Fire Center	2023	2026	\$498,641

Creating Inclusive Hazard Awareness	Co-PI (PI: Felicia Ometa-Schult, OSU)	Cascadia CoPes Hub (NSF)	2022	2023	\$50,000
Large-Scale CoPe: The Cascadia Coastlines and People Hazard Research Hub	Leadership team and Team 3 co-lead (PI: Peter Ruggiero, OSU)	National Science Foundation	2021	2026	\$18,896,138
Sensor Technology for Improved Wildland Urban Interface (WUI) Fire Resilience	Co-PI (PI: Erica Fischer, OSU)	Alfred P. Sloan Foundation	2020	2024	\$1,486,404
Envisioning a Resilient Oregon Coast: Co-developing alternative futures for adaptation planning and decision-making	Co-PI (PI: Peter Ruggiero, OSU)	Oregon Sea Grant	2018	2023	\$850,000
Stakeholder-driven Decision Support Cyber-infrastructure for Empowering Rural Communities to Plan for Water-Agro-Energy-Climate Resiliency	Co-PI (PI: Meenu Ramadas, Indian Institute of Technology, Bhubaneshwar, India)	Scheme for Promotion of Academic and Research Collaboration (India)	2019	2023	\$122,834 No subaward
Envisioning a Resilient Oregon Coast: Co-developing alternative futures for adaptation planning and decision-making	Co-PI (PI: Peter Ruggiero, OSU)	Oregon Sea Grant	2017	2018	\$45,182
iFEWCOORDNET: A Secure Decision Support System for Coordination of Adaptation Planning among FEW actors in the Pacific Northwest.	Co-PI (PI: Meghna Babbar-Sebens, OSU)	National Science Foundation	2016	2021	\$1,588,690
Adapting Urban Forestry and Green Infrastructure Practices for Urban/Rural Interface Communities to Address Forest Action Plan Priorities	Co-PI (PI: Bruce Schindler, OSU)	USDA	2014	2017	\$230,000
Understanding the Mediating Political, Economic, and Social Forces Creating Exurban Residential Environments and Patterns of Outdoor Recreation	PI	USDA	2013	2017	\$50,000
Natural Amenities and In-Migration Influences on the Location Decisions of Rural and Non-Rural Residents with Application to Stewardship Activities to Restore Forest Health	PI	USDA	2010	2014	\$100,000
Natural Amenities, In-Migration, and the Location Decisions of Exurban Residents; with Implications for Public Lands Management	PI	USDA	2009	2014	\$70,000

C.5 MISCELLANEOUS RESEARCH PRODUCTS

Decision-Support Tools

- Wildfire Vulnerability Explorer: <https://wildfirevulnerability.eemsonline.org/>
- Interactive Adaptation and Collaboration Tool for managing Water, Energy, and Land (InterACTWEL): <http://interactwel.oregonstate.edu/>
- Stormwater Solutions for Green Infrastructure: <https://extension.oregonstate.edu/stormwater-green-infrastructure>

Research Protocols

- *Blockstein, J., & **Tilt, J.H.** (2023) "Focus Group Protocol (English and Spanish) - Questions, Conceptual Mapping Activity, Demographics", in Critical Links: Exploring the Connection between Community Assets and Latinx Social Capital for Disaster Resilience along the Oregon Coast. DesignSafe-CI. <https://doi.org/10.17603/ds2-m009-vg97> v1

Websites

- The Cascadia Coastlines and Peoples Hazards Research Hub: <https://cascadiacopeshub.org/>
- Sensor Technology for Improved Wildland Urban Interface (WUI) Fire Resilience: <https://blogs.oregonstate.edu/wildfireresilience/>
- Envisioning Oregon's Coastal Futures: <http://explorer.bee.oregonstate.edu/Topic/coastalresilience/>

D. SERVICE 10%

No FTE allocated to service until 2018; service obligations removed during 2022-2023 academic year due to family medical leave

D.1. SERVICE TO CEOAS

2023-2024	CEOAS Strategic Plan Committee, Co-Chair
2023-2024	CEOAS Awards Committee, member
2021-2022	Environmental Sciences Instructor/Program Coordinator Search, Chair
2021-2022	CEOAS Associate Dean of Research Search Committee, member
2020-2021	RA/FRA/SFRA Promotion Committee, member
2020-2021	CEOAS Governance Committee, Co-Chair
2020-2021	Geospatial Instructor Search Committee, member
2020-2022	Marston Lecture Committee, Chair
2019-2021	Ad Hoc Committee on CEOAS Policies, Procedures, and Processes, Co-Chair
2018-2019	Peer Review of Teaching Committee (PRTC) Committee, member
2018-present	Undergraduate Environmental Sciences Advisory Committee, member
2016-2017	Strategic Position Hiring Committee (SPHC), member
2015-2016	Natural Hazards Assistant Professor Search Committee, member
2015-2016	RA/FRA/SFRA Promotion Committee, member

D.2. SERVICE TO OREGON STATE UNIVERSITY

2024	Black and Orange Days, Mock Lecture for incoming OSU students
2024	OSU Office of Sponsored Programs, EPA Environmental and Climate Justice Community Change grant peer review
2023	OSU Juntos Day. Provided Mock lecture and information about CEOAS to prospective Latinx students and their families.
2020-2021	UAOSU CEOAS Representative
2017-present	Natural Resources Major Advisory Committee, member

D.3. SERVICE TO THE PROFESSION

2023	National Science Foundation, Human-Environmental and Geographic Sciences Program. Proposal merit reviewer.
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- 2023 University of California. Climate 2023 Community Health and Policy Awards Committee. Panel reviewer.
- 2022 “Supporting Community Capacity in Disaster Waste and Debris Management Decision-Making,” Environmental Protection Agency (EPA). Technical report peer reviewer.
- 2021 2020 Large-Scale Applied Research Project Competition: Genomics Solutions for Natural Resources and the Environment, GenomeCanada. GE³LS panel reviewer (e.g. ethical, environmental, economic, legal, and social aspects and potential implications associated with genomics research).
- 2019-2022 International Research Coordination Network for Creating Transdisciplinary Nodes of Food-Energy-Water to Support Sustainable Urban Systems (NSF), Steering committee member.
- 2019 13th Annual Us-China Eco-Environmental Symposium. “Research and Innovation at the Nexus of Food, Energy, and Water Systems. Seattle, WA. Sponsored by FEWESTERN (Food, Energy, and Water Systems Transdisciplinary Environmental Research Network) and NSF. Session and field trip organizer.

Journal Peer Review: *Environment and Behavior; Environment and Policy, Human Ecology Research; International Journal of Disaster Risk Reduction; International Journal of Wildland Fire; Journal of Forestry; Journal of Geography and Natural Disasters; Journal of Planning, Education and Research; Journal of Water Resources Planning and Management; Landscape and Urban Planning; Natural Hazards; Preventive Medicine; Society and Natural Resources; Urban Forestry and Urban Greening*

Professional Memberships and Affiliations

- American Association of Geographers
- American Planning Association
- Environment Design Research Association
- International Association of Society and Natural Resources
- Natural Hazards Center
- Society of American Foresters
- Xi Sigma Pi, National Honors Forestry Society

D.4 SERVICE TO THE PUBLIC

Service to Community Partners and Practitioners—technical advising, co-production of knowledge, and workshops

- 2023-2023 Estuarine Resilience Adaptation Plan (ERAP) for Lincoln and Lane Counties, Oregon, Department of Land, Conservation, and Development (DLCD). Provided technical assistance for community engagement during the planning process.
- 2023-2024 Department of Land, Conservation and Development (DLCD) Sea Level Rise Workshops in Clatsop County, Oregon. Provided technical assistance for the organization and facilitation of community meetings.
- 2021-Present Co-convenor for the quarterly Community Advisory Council Meetings, Cascadia CoPes Hub.
- 2019-2023 Co-convenor for the annual Community Advisory Council Meetings, Sensors for Wildfire Resilience project.
- 2019-2020 Oak Creek Watershed Stakeholder Advisory Committee, member.
- 2019 Lincoln County, Oregon Natural Hazard Mitigation Planning Committee. Provided presentation on inequities and disasters to planning committee.
- 2017-2022 Co-convenor, bi-Annual Community Advisory Council Meetings, Oregon Coastal Futures Project.
- 2017 Green Infrastructure Workshop, LaGrande, Oregon. Lead developer, organizer, and facilitator of the one-day workshop. 20 practitioners.

- 2017 Green Infrastructure Workshop, Coos Bay, Oregon. Lead developer, organizer, and facilitator of the one-day workshop. 40 practitioners.
- 2017 Oregon Coastal Futures Workshop, Seaside, Oregon. Assisted in the development, organization, and facilitation of the workshop. 25 practitioners.
- 2017 Oregon Coastal Futures Workshop, Coos Bay, Oregon. Assisted in the development, organization, and facilitation of the workshop. 27 practitioners.
- 2016-2019 Convenor, bi-annual Community Advisory Council meetings, InterACTWEL project.
- 2016 Community Development Meeting, Monroe, Oregon. Provided presentation on comprehensive planning for the City of Monroe.
- 2016 South Benton County Connectivity Committee, member.
- 2014-2015 *Low Impact Development in Western Oregon: A Practical Guide for Watershed Health*, Oregon State Department of Environmental Quality, technical advisory committee member.

Outreach and Engagement Events for General Public

Trainings: In partnership with community-based organizations serving Latinx coastal residents, we have co-developed inclusive hazard preparedness materials and provided trainings in Spanish that are relevant to the lived experiences of these residents.

- 2024 Tsunami Evacuation Wayfinding Training and Community Wildfire Recovery Discussion. Sponsored by Cascadia CoPes Hub, OSU Extension, and Lincoln County Emergency Management. Lincoln City, Oregon. 30 community participants.
- 2024 Tsunami Evacuation Wayfinding and Emergency Go-Bag Training. Sponsored by Cascadia CoPes Hub, OSU Extension, and Arcoiris Cultural Center. Newport, Oregon. 40 community participants.
- 2024 Tsunami Evacuation Wayfinding and Emergency Go-Bag Training. Sponsored by Cascadia CoPes Hub and Consejo Hispano. Warrenton, Oregon. 20 community participants.
- 2023 Tsunami Evacuation Wayfinding and Emergency Go-Bag Training. Sponsored by Cascadia CoPes Hub and Consejo Hispano. Seaside, Oregon. 20 community participants.
- 2023 Tsunami Evacuation Wayfinding and Emergency Go-Bag Training for the MesoAmerican (Mam) Community. Sponsored by Cascadia CoPes Hub, OSU Extension, and Arcoiris Cultural Center. Newport, Oregon. 50 community participants.

Tabling: In partnership with community-based organizations, Oregon Sea Grant, and local emergency managers we have attended local community events to share informational materials regarding natural hazards and preparedness activities.

- 2022 & 2023 Coastal hazard awareness with Oregon Sea Grant at the Hispanic Heritage Celebration, Seaside, Oregon. October 2022 & 2023.
- 2022 & 2023 Hazard awareness and creating an inclusive disaster response. Newport Pride Festival, Newport, Oregon. September 2022 & 2023.
- 2022 & 2023 Clatsop Readiness Fair, Warrenton, Oregon. September 2022 & 2023.

Public Talks and Popular Press

- 2022 **Tilt, J.H.** “Community Resilience to Natural Hazards: The role of religious organizations.” Presentation to Compassion International.
- 2022 Meadows, R. How Do Wildfires Affect Water Systems? *ACS Central Science*, vol. 8 (5), 504-506. <https://doi.org/10.1021/acscentsci.2c00511>
- 2020 Ellsworth, L., Fischer, E., Linderman, L., **Tilt, J.H.**, and Wham, B. Water in Paradise: Research on Water Network and Community Vulnerabilities. *Water Resources Impact*, vol. 22 (4), 14-15.
- 2019 **Tilt, J.H.** How extreme weather threatens people with disabilities. Yale Climate Connections: <https://yaleclimateconnections.org/2019/09/how-extreme-weather-threatens-people-with-disabilities/>

Community Engagement Products

- 2024 Tsunami Evacuation Wayfinding and Emergency Go-Bag Training Videos. Writer and technical lead:
[Tsunami Evacuation Wayfinding](#)
[Orientación de Evacuación por Tsunami](#)
[Packing a Go Bag](#)
[Cómo armar una mochila de emergencia](#)
- 2024 Community Engagement video. Technical lead: [Tsunami Preparedness in Coastal Communities](#)
- 2023 Oregon Coastal Futures Storymap. Technical lead.
- 2018 OSU Extension Stormwater Solutions for Green Infrastructure website redevelopment. Technical lead: <http://extension.oregonstate.edu/stormwater/>
- 2017 Green Infrastructure Solutions Across the Urban to Rural Continuum (Professional and Continuing Education Course) Green Infrastructure Solutions across the Urban to Rural Continuum PACE course. Content developer and technical lead:
<https://workspace.oregonstate.edu/course/green-infrastructure-solutions-across-the-urban-to-rural-continuum?hsLang=e>

E. AWARDS

- 2024 *Nominated, award announced Fall 2024*
C.Peter Magrath & W.K. Kellogg Foundation Community Engagement Scholarship Award. Oregon Coastal Futures Project. Ruggiero, P., Bolte, P., Corcoran, P., Cox, D., Dundas, S., Olmeta-Schult, F., and **Tilt, J.H.**
This national award is given by the Association of Public and Land-grant Universities, the Engagement Scholarship Consortium, and the W.K. Kellogg Foundation to acknowledge the outstanding community-university engagement scholarship work of four-year public universities.
- 2023 OSU Community Engagement Team Research Award for the Oregon Coastal Futures Project. Ruggiero, P., Bolte, P., Corcoran, P., Cox, D., Dundas, S., Olmeta-Schult, F., and **Tilt, J.H.**
This university-wide award recognizes and celebrates faculty and research programs for their efforts to develop programs or projects that adhere to the principles of community engagement and engaged scholarship.
- 2021 The Anita L. Grunder Award for Excellence in Undergraduate Teaching (CEOAS)
This award is given annually to a CEOAS faculty member who demonstrates excellence in undergraduate teaching in the college.