

YEKANG KO, Ph.D.

Associate Professor
Director of Undergraduate Studies (BLA)
Department of Landscape Architecture
University of Oregon

Program Director
Sustainable Cities and Landscapes Hub
Association of Pacific Rim Universities (APRU)

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[Researchgate](#) / [Google Scholar](#)

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY
Ph.D. Landscape Architecture and Environmental Planning, 2012

GRADUATE INSTITUTE OF PEACE STUDIES, KYUNG HEE UNIVERSITY, Namyangju, South Korea
M. Area Studies (Asia-Pacific Studies), 2007

KOREA UNIVERSITY, Seoul, South Korea
B.S. Environmental Science and Ecological Engineering, 2005

ACADEMIC APPOINTMENTS

2020—Present	<i>Associate Professor</i>
2016—2020	<i>Assistant Professor</i> Department of Landscape Architecture UNIVERSITY OF OREGON
2012—2016	<i>Assistant Professor</i> Department of Planning and Landscape Architecture UNIVERSITY OF TEXAS, ARLINGTON
2011	<i>Lecturer</i> Department of Landscape Architecture and Environmental Planning UNIVERSITY OF CALIFORNIA, BERKELEY

RESEARCH & TEACHING INTERESTS

Urban energy planning, energy landscapes, green infrastructure performance, climate change planning and design, environmental education, community service learning, Asia-Pacific region

PUBLICATIONS (*denotes doctoral student advisee)

Peer-reviewed Articles

Ko, Y., Barrett, B.F.D., Copping, A.E., Sharifi, A., Yarime, M., and Wang, X. 2019. Energy Transitions Towards Low Carbon Resilience: Evaluation of Disaster-Triggered Local and Regional Cases. *Sustainability* 11, 6801.

A.W. Foss* and Ko, Y. 2019. Barriers and opportunities for climate change education: the case of Dallas-Fort Worth in Texas. *The Journal of Environmental Education*, 50:145-159

- Cease, B., Kim, H., Kim, D., Ko, Y., and Cole, C. 2019. Barriers and incentives for sustainable urban development: An analysis of the adoption of LEED-ND projects. *Journal of Environmental Management* 244: 304-312.
- Ko, Y. 2018. Trees and vegetation for residential energy conservation: A critical review for evidence-based urban greening in North America, *Urban Forestry and Urban Greening* 34: 318-335.
- Ko, Y., Jang, K., and Radke, J.D. 2017. Toward a solar city: Trade-offs between on-site solar energy potential and vehicle energy consumption in San Francisco, California, *International Journal of Sustainable Transportation* 11(6): 460-470.
- Ko, Y., Roman, L.A., McPherson, E.G., and Lee, J. 2016. Does tree planting pay us back? Lessons from Sacramento, CA. *Arborist News* June 2016: 50-54.
- Adil, A.* M. and Ko, Y. 2016. Socio-technical evolution of Decentralized Energy Systems: A critical review and implications for urban planning and policy, *Renewable and Sustainable Energy Reviews* 57: 1025–1037.
- Lee, J., Ko, Y., and McPherson, E.G. 2016. The feasibility of remotely sensed data to estimate urban tree dimensions and biomass, *Urban Forestry and Urban Greening* 16: 208-220.
- Ko, Y., Lee, J., McPherson, E.G., and Roman, L.A. 2015. Long-term monitoring of Sacramento Shade program trees: Tree survival, growth and energy-saving performance, *Landscape and Urban Planning* 143:183–191.
- Ko, Y., Lee, J., McPherson, E.G., and Roman, L.A. 2015. Factors affecting long-term mortality for residential shade trees: Evidence from Sacramento, CA, *Urban Forestry and Urban Greening* 14: 500–507.
- Ko, Y. and Radke, J.D. 2014. The effect of urban forms on residential cooling energy use in Sacramento, California, *Environment and Planning B: Planning and Design* 41(4): 573 – 593.
- Ko, Y. 2014. The effect of urban trees on residential solar energy potential, *Journal of the Korean Institute of Landscape Architecture* 42(1): 41-49.
- Ko, Y. 2013. Urban form and residential energy use: A review of design principles and research findings, *Journal of Planning Literature* 28(4): 327-351. *Featured in the American Planning Association Planning Magazine October 2013*
- Yoon, J. and Ko, Y. 2013. STS student learning model: An effective approach to identifying environmental problems and solutions, *The International Journal of Science in Society* 4(2): 133-147.
- Ko, Y., Schubert, D.K., and Hester, R.T. 2011. A conflict of greens: Green development versus habitat preservation—the case of Incheon, South Korea, *Environment* 53(3): 3- 17.

Manuscripts/Book Chapters Under Reviews

- Johnson, B. and Ko, Y. Sustainable Cities and Landscapes: Our Approach, A book chapter in the *Routledge Handbook of Sustainable Cities and Landscapes*, edited by Yang, Y. and Taufen, A. (To be published in 2021)
- Coffman, M. and Ko, Y., Introduction in the Energy Section (edited by Ko, Y. and Coffman, M) in the *Routledge Handbook of Sustainable Cities and Landscapes*, edited by Yang, Y. and Taufen, A. (To be published in 2021)
- Ko, Y., Coffman, M., Mulvaney, D., Copping, A., Wang, H., Barrett, B.F.D., Conflicts of Greens' in Renewable Energy Landscapes: Case Studies and a Planning Framework, A book chapter in the Energy Section (edited by Ko, Y. and Coffman, M) in the *Routledge Handbook of Sustainable Cities and Landscapes*, edited by Yang, Y. and Taufen, A. (To be published in 2021)
- Fiorelli, T., Yu, Y., Ko, Y., Dimond, K., and Coffman, M., Colocation for Co-benefits: the SWOC Analysis of Brightfields and Agrivoltaics, A book chapter in the Energy Section (edited by Ko, Y. and Coffman, M) in the *Routledge Handbook of Sustainable Cities and Landscapes*, edited by Yang, Y. and Taufen, A. (To be published in 2021)

Work in Progress

- Wang, H-W., Dodd, A., and Ko, Y. Resolving the Conflict of Greens: A GIS-based and participatory least-conflicting sitting framework for renewable energy development in Taiwan. Manuscript to be submitted to *Landscape and Urban Planning*.
- Kim, S. Ko, Y. and Jang, K. Air quality and travel behavior: how environmental awareness affect travel behaviors. Manuscript to be submitted to *Transportation Research Part D*
- Kim, S. Ko, Y. and Jang, K. Travel Behavior in Polluted Air Condition: Evidence from South Korea National Household Travel Survey. Manuscript to be submitted to *Journal of Transportation Geography*

Other Publications

- Ko, Y. and Drumm, A. 2015. Transportation's Vulnerability to Weather Extremes. *EarthPeople Media*.
- Winguth, A. Lee, J., Ko, Y. and the North Central Texas Vulnerability Assessment Team, 2015. Climate Change/Extreme Weather Vulnerability and Risk Assessment for Transportation Infrastructure in Dallas and Tarrant Counties, Submitted to the Federal Highway Administration.
- Ko, Y. and Schubert, D.K. 2011. South Korea's plans for tidal power: when a "green" solution creates more problems. *NAPSNet Special Reports*.
- Ko, Y. and Schubert, D.K. 2011. "Green" New Deal projects threaten Korea's rivers and tidal flats. *World Rivers Review* 26(3):15.

Published Image In Book

- A Randstad of the Pearl River Delta. In Bosselmann, P. Urban transformation: understanding city design and form (Fig. 1.20, pp. 114-115). 2008, Island Press. Washington, DC. (performed land cover classification of Landsat imageries to produce the map of urbanization of Pearl River Delta).

Thesis / Dissertation

- Ko, Y. 2012. The Energy Impact of Urban Form: An Approach to Morphologically Evaluating the Energy Performance of Neighborhoods, Ph.D. Dissertation, University of California, Berkeley (Advisor: Dr. John D. Radke).
- Ko, Y. 2007. A Comparative Study of Urban Open Spaces in Seoul and Pyongyang: Towards Sustainable Cities in the Unification Era, Master Thesis, The Graduate Institute of Peace Studies, Kyung Hee University (Advisor: Dr. M. Jae Moon).

HONORS, AWARDS, & FELLOWSHIPS

2020	Council of Educators in Landscape Architecture (CELA) Excellence in Research Award
2018	EPA Campus RainWorks Challenge Winner - faculty advisor of the 1 st place student team - Demonstration Project category (\$3,000)
2019	UO Faculty Research Award (\$5,500)
2019	UO Town and Gown Sustainability Award
2018 – 2019	UO Sustainability Faculty Fellow (\$2,000)
2018	UO Sustainability Award for Excellence in Teaching - Honorable Mention
2016	UO New Junior Faculty Research Award (\$2,000)
2016	Rotary Club Professor of the Year - Excellence in Higher Education Award
2016	UTA CAPPAs Stars for Shining Ever So Brightly Award
2016	UTA Faculty Senate Travel Award (\$500)

2013 – 2014	UTA Community Service Learning Faculty Fellow (\$2,000)
2012 / 2015	UTA Office of Sustainability Travel Support Grants (\$1,000)
2011	UCB Beatrix Farrand Dissertation Research Grant
2011	UCB Graduate Division Summer Grant
2010	UCB Dean's Normative Time Fellowship
2009	GRADUATE WOMEN IN SCIENCE Eloise Gerry Fellowship
2008 – 2011	UCB Beatrix Farrand Travel Grant (multiple awards)
2007 – 2009	UCB Dept. of LAEP Block Grant (multiple awards) <i>Along with Graduate Student Researcher/Instructor Assistantships</i>
2007	KYUNG HEE UNIVERSITY Overseas Study Scholarship
2005 – 2007	KYUNG HEE UNIVERSITY All-Expense Paid Award <i>Full tuition, travel , room & board support for all semesters</i>
2002 / 2001	KOREA UNIVERSITY Best Honors Scholarship
2002	KOREA UNIVERSITY Honors Scholarship

SELECTED RESEARCH GRANTS

2020	UO Inaugural Resilience Initiative Interdisciplinary Seed Funding (Principal Investigator, \$50,000) "Integrated Social, Environmental and Economic Justice Framework to Build Resilient Communities for Vulnerable Unhoused Populations"
2019 – 2020	ASIA-PACIFIC NETWORK FOR GLOBAL CHANGE RESEARCH Collaborative Regional Research Programme (Collaborator, \$41,900) "Assessment of the actual and potential contributions of smart city projects to climate resilience in selected Asia-Pacific cities", Project PI - Dr. Ayyoob Sharifi (Hiroshima University, Japan)
2019 – 2020	UO FOUNDATION Trustee Excellence Fund (PI, \$30,000) "Landscape for Humanity: Multifunctional landscapes co-designed for vulnerable urban populations" with co-PIs: Kory Russel, Jacques Abelman, and Junhak Lee
2018 – 2020	NATIONAL SCIENCE FOUNDATION (PI, \$38,126) "Intra-Urban Variability in Black Carbon Deposition: Rates, Pathways, and Determinants" Subaward of the NSF-CAREER grant, PI Dr. Alexandra Ponette (University of North Texas)
2017 – 2018	NATIONAL GEOGRAPHIC SOCIETY Science and Exploration Grant – Asia (Co-PI, \$30,000) "Solar Energy vs. Critical Habitats: Resolving "green" conflicts for conserving endangered Black-faced Spoonbill habitats in Taiwan" PI Dr. Hsiao-Wen Wang (National Cheng Kung University, Taiwan)
2015 – 2016	UTA Inaugural Interdisciplinary Research Program (PI, \$17,880) "The Dallas-Fort Worth Community Opportunities for Resilience Education (DFW-CORE): Climate Science Education Model for the Public and K-12" with co-PIs from science, engineering and education
2015 – 2016	UTA CAPPA What's NEXT Seed Grant (PI, \$10,000) "Develop a Green Infrastructure Index: Comprehensive Metrics to Measure Ecological and Social Services of the Urban Landscapes"
2014 – 2015	NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (Co-PI, \$43,360) "Climate Change/Extreme Weather Vulnerability and Risk Assessments for the Dallas-Fort Worth Regional Transportation Infrastructure" PI Dr. Arne Winguth (UT Alrington)

2013 – 2014 **USDA FOREST SERVICE PSW RESEARCH STATION/UC BERKELEY (PI, \$28,363)**
 “Monitoring and Modeling Tree Growth, Longevity, and Performance” Phase II Subaward

OTHER RESEARCH EXPERIENCE

2008–present **SAVE INTERNATIONAL (a project of EARTH ISLAND INSTITUTE)**
 Korea project coordinator for ecological planning and design projects for preserving the Black-faced Spoonbill (an endangered species) habitats in South Korea

2008 – 2009 **CENTER FOR GLOBAL METROPOLITAN STUDIES, UC BERKELEY**
 Graduate student researcher / spatial data analyst (PI– Elizabeth Deakin) for TOD projects in Central Valley, CA and Jinan and Chengdu, China

2007 **DEPT. OF LANDSCAPE ARCHITECTURE AND ENV. PLANNING, UC BERKELEY**
 Graduate Student Researcher (PI –John Radke) for conducting extensive literature reviews on the trends in urban growth/land use models

2007 / 2005 **KOREA ENVIRONMENT INSTITUTE**
 Research Assistant for the Sustainable Development Research Team (PI –Jang Min Chu) and the Environmental Management Research Team (PI – Sang Won Bang)

TEACHING EXPERIENCE

UNIVERSITY OF OREGON

LA 4/510 Design for Climate Action (New course development) <i>Instructor, Sustainable City Year Program partnering with the City of Silverton</i>	WT 2020
LA 4/594 Landscape Planning and Design Studio <i>Co-Instructor, partnering with the City of Eugene Manager’s Office (2019) and the City of Portland Bureau of Planning and Sustainability</i>	FA 2019, FA 2020
LA 440/540 Introduction to Landscape Planning Analysis <i>Instructor</i>	SP 2019, SP 2020
LA 459/559 Sustainable Energy Landscapes <i>Instructor Featured in Oregon Quarterly, Summer 2018</i>	SP 2018, WT 2019
LA 410/510 Urban Sustainability <i>Instructor, partnering with the City of Eugene Park and Open Space</i>	FA 2017, FA 2018
LA 4/594 Landscape Planning and Design Studio <i>Co-Instructor, Sustainable City Year Program partnering with the TriMET</i>	FA 2017
LA 606 Sustainable Cities and Landscapes International Conference <i>Instructor</i>	FA 2017 (zero-week)

UNIVERSITY OF TEXAS AT ARLINGTON

CIRP 5308 Metropolitan Sustainability and Plan Making <i>Instructor</i>	SP 2016, SP 2015, SP 2014, SP 2013
CIRP 5350 Environmental Planning <i>Instructor</i>	SP 2016, SP 2015, SP 2014

CIRP 5327 Introduction to Green Cities & Transportation
Instructor FA 2015, FA 2014, FA 2013

CIRP 4320 Sustainable Communities
Instructor Featured in the UTA Magazine Fall 2014 as a “crash course” FA 2014, FA 2013, SP 2013

UNIVERSITY OF CALIFORNIA, BERKELEY

Landscape Architecture & Environmental Planning Colloquium (Graduate)
Instructor FA 2011

Computer Applications in Environmental Design (Undergraduate/Graduate)
Co-Instructor SP 2011

Environmental Planning Studio (Graduate)
Module Instructor SP 2011, SP 2010

Geographic Information Systems (Undergraduate/Graduate)
Graduate Student Instructor FA 2009, FA 2008

CONFERENCE PRESENTATIONS (as a presenter, unless noted otherwise)

Peer-reviewed

“Resolving Conflicts of Greens in Energy Landscapes: The Role of Innovative Design and Spatial Planning”. Annual Conference of the Council of Educators in Landscape Architecture (**CELA**), Sacramento, CA, March 2019.

“Landscape for Humanity: New design pedagogies for critical landscape engagement”. **CELA**, Sacramento, CA, March 2019. (with J. Abelman and K. Russel)

“Trees for conserving energy: Knowns and unknowns”. **CELA**, Beijing, China. May 2017.

“Landscape planning framework for disaster management”. The Pacific Risk Management 'Ohana (PRiMO) Conference, Honolulu, HI. March 2017.

“Bridging the gap in climate action planning: Policy maker perception v. public opinion”. Annual Conference of the Association of Collegiate Schools of Planning (**ACSP**), Portland, OR. November 2016. (presented by the co-author Ann W. Foss)

“Zero net energy communities: the feasibility of meeting residential and vehicle energy demand by on-site solar energy supply”. **ACSP**, Houston TX. October 2015.

“Long-term effectiveness of urban tree planting initiatives: a 20-year evaluation of the Sacramento Shade tree program”. **ACSP**, Philadelphia, PA. November 2014.

“Quantifying the impacts of urban form on residential cooling energy use: the case of Sacramento, California”. Presented at **ACSP**, Cincinnati, OH. November 2012.

“The effects of urban trees on residential solar photovoltaic potential: the case of San Francisco, CA”. **CELA**, Los Angeles, CA. March 2011.

“Conflicting greens: Systematic Greens, Segmented Greens, and False Greens”. **CELA**, Los Angeles, CA. March 2011.

Others

“Measuring climate and extreme weather literacy in politically conservative regions: The case of Dallas-Fort Worth”. Association of American Geographers (**AAG**) Annual Meeting, San Francisco, CA. March 2016.

- “Long-term survival of Sacramento Shade trees and its influence on energy-saving performance: Empirical evidence and implications for urban planning”. Livable Communities Through Urban Forestry Conference, Washington, D.C. August 2015. (*Invited*)
- “Does greening pay off?: Long-term performance of shade trees in Sacramento, CA”. **AAG**, Chicago, IL. April 2015.
- “Climate change/extreme weather vulnerability and risk assessments for the Dallas-Fort Worth regional transportation infrastructure”. Climate Resilience & Adaptation Symposium, Arlington, TX. February 2015.
- “On-site solar energy utilization in cities: location matters”. **AAG**, New York, NY. February 2012
- “City-wide on-site solar energy assessment: the case of the City of San Francisco”. Berkeley Energy and Resources Collaborative Symposium, Berkeley, CA. October 2011. (Poster Presentation)
- “Preserving vibrant habitat: co-mingling urban and natural resources in Hakata Bay, Japan, and its implication for Incheon, South Korea”. Symposium for Conservation of Black-faced Spoonbills and International Network, Ganghwa, South Korea. May 2011.

Session Organization and Panel Participation

- Working Group Co-Leader, “Renewable Energy Landscapes” Working Group, APRU Sustainable Cities and Landscapes Conference, Sydney, September 2019.
- Working Group Leader, “Saving Spoonbills in the era of Conflict of Greens”, Great Asian Street Symposium (GASS), Singapore, December 2018.
- Working Group Leader, “Resilient Grids and Communities”, APRU Sustainable Cities and Landscapes Conference, Hong Kong, September 2018.
- Working Group Leader, “Resolving Conflicts of “Greens”: Energy Planning for Sustainable Landscape Conservation”, APRU Sustainable Cities and Landscapes Conference, Portland, OR, September 2017.
- Organizer, Paper session on “Risk Perception and Resilience Planning”, **AAG**, San Francisco, CA, March 2016.
- Panelist, Panel on “The Myth of Smart Urbanism: Songdo City and Beyond”, **AAG**, San Francisco, CA, March 2016.
- Moderator (invited), Paper session on “Planning for the Future: Green Cities of the Future”, Livable Communities Through Urban Forestry Conference, Washington, D.C. August 2015.

RECOGNITIONS

External Invited Talks

- “Resilience for Vulnerable Communities”. Virtual Guest Lecture, ED 301, Arizona State University, Phoenix, AZ. November 2020.
- “Landscape for Humanity: Multifunctional Landscapes co-designed for Vulnerable Populations”. SDC Distinguished Guest Lecture, School of Design and Construction, Washington State University, Pullman, WA. February 2020.
- “Conflicting Greens around Korean rivers and coastal wetlands: Implications for a systematic water and coastal management”. International Interdisciplinary Faculty Water Management Seminar Series, UC Berkeley, California. February 2019.
- “Conflict of Greens: Global perspectives,” at the Participatory Coastal Planning for Resolving the Conflicts of Greens (a short course), National Cheng Kung University. Tainan, Taiwan. March 2018.
- “Socioeconomic and policy implications from long term monitoring of Sacramento Shade trees”, Urban Green Infrastructure Summit. Tigard, OR. February 2018.

- “Monitoring urban trees: Survival, growth, and energy-saving performance” co-present with L.A. Roman and P. Smith for the USDA Forest Service Urban Forest Connections Webinar Series. March 2016.
- “Landscape design and planning for the era of climate change”, Department of Landscape Architecture, School of Architecture and Allied Arts, University of Oregon, Eugene, OR. February 2016.
- “Does tree planting pay us back?: Lessons from long-term monitoring of Sacramento Shade Trees”, Ph.D. Seminar, Department of Landscape Architecture, School of Architecture and Allied Arts, University of Oregon, Eugene, OR. February 2016.
- “Quantitative methods in landscape architecture and environmental planning”, LAND 6900 Research Strategies, College of Environment + Design, The University of Georgia, Athens, GA. September 2015.
- “Long-term survival, growth and energy performance of Sacramento Shade Trees”, USDA Forest Service Pacific Southwest Station, Davis, CA. July 2015.
- “Do urban forms matter in residential energy consumption?: an empirical approach”, Department of Environmental Science and Ecological Engineering, Korea University, South Korea. December 2014.
- “Environmental and ecological planning for the era of climate change”, Graduate School of Environmental Studies, Seoul National University, South Korea. December 2014.
- “Energy and Built Environment: the effect of urban form on residential energy use in Sacramento, CA”, Department of Geography, University of North Texas, Denton, TX. November 2013.
- “Solar sprawl vs. compact neighborhoods: assessing sustainable urban density”, Knowlton School of Architecture, The Ohio State University, Columbus, OH. March 2012.
- “Energy planning for the 21st century: assessing optimal urban forms toward energy self-sufficient cities”, School of Urban and Public Affairs, UT Arlington, TX. February 2012.
- “Shifting ground: new challenges of environmental planning in the era of climate change”, School of Urban and Public Affairs, UT Arlington, TX. February 2012.
- “Is renewable energy always green?: The case of tidal power projects in South Korea”, AYUSA World Leaders Summer Program, Berkeley, CA. August 2011.

Media Recognitions

- “UO Foundation board awards \$80,000 to three programs” – The Landscape for Humanity proposal that I submitted as PI was featured as the UO Foundation Trustee Excellent Fund awardee in *Around the O*, June 2019.
- “Students Dig In At Opportunity Village” – The students works on the Opportunity Village Eugene from my Sustainable Energy Landscapes course was featured in the non-profit SquareOne Villages Newsletter, April, 2019.
- “Good Drainage, Good Vibes' is EPA Winner” –My student team who won the first place of the EPA Campus RainWorks Challenge was featured in *Around the O*, May 2019.
- “Profile: Yekang Ko, Conflicts of Greens” – My interview regarding research on green conflicts and a profile of my career was featured in *Around the O*, July 2018.
- “UO named sustainability hub for Pacific Rim university network” – My interview regarding my research on green conflicts and the APRU SCL Hub was featured in *Around the O*, April 2017.
- “Results: Long-Term Monitoring of Sacramento Shade Program Trees” – My collaborative study with the USDA Forest Service was featured in the *Alliance of Community Trees*, January 2016.
- “New study assesses risks of extreme weather to North Texas roads, runways” – My collaborative project with the NCTCOG was featured in *PHYS.ORG*, May 2015.

“UTA researchers investigate how permafrost-trapped carbon could affect Texas” – My interview regarding climate change impacts on infrastructure was featured in the *Shorthorn*, the UTA newspaper, June 2015.

“Environmental Planning Study Findings Have Been Reported from University of California (The effect of urban form and residential cooling energy use in Sacramento, California)” – My referred article published in *Environment and Planning B* was featured in *Ecology, Environment & Conservation*, p 288, October 2014.

“Crash Course: Sustainable Communities” – My undergraduate course at UTA was featured in the *UTA Magazine* Fall 2014.

“Building up” – My interview regarding Better Block project in Oak Cliff, Texas was featured in the *Shorthorn*, the UTA newspaper, April 2014.

“Reviewing the Reviews” - My article published in the Journal of Planning Literature, was featured in the American Planning Association’s *Planning Magazine*, October 2013.

“Tidal Power Makes a Surprising Comeback” – My interview regarding environmental impacts of tidal power plants was featured in the *IEEE Spectrum*, July 2013.

“DFW Solar Tour” – My home was featured as a tour site of the 2012 DFW Solar Tour hosted by the North Texas Renewable Energy Group, October 2012.

SERVICE TO PROFESSION

Association of Pacific Rim Universities (APRU) International Secretariat (2016 – present)

Sustainable Cities and Landscapes (SCL) Hub Program Director and APRU SCL Steering Committee

United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP) and UN-Habitat (2019 – present)

The Asia-Pacific Mayors Academy Technical Advisory Group for Curriculum Development

Manuscript Reviewer (2012- present)

Springer (book proposal)

Journal of Planning Education and Research

Land Use Policy

Landscape and Urban Planning

Cities

Journal of Planning Literature

Environment and Planning B: Planning and Design

Energy and Buildings

Cities and Environment

Urban Forestry & Urban Greening

Arboriculture and Urban Forestry

Urban Design International

Energies

IEEE Transactions on Systems, Man and Cybernetics: Systems

Transport Policy

International Journal of Sustainable Transportation

Journal of Urban Planning and Development

Ocean and Coastal Management

Conference Review Committee

2020 APRU Sustainable Cities and Landscapes Ph.D. Symposium, Auckland, New Zealand

2019 CELA Conference, Sacramento, California

2018 CELA Conference, Blacksburg, Virginia
2017 CELA Conference, Beijing, China
2017 PRIMO Conference, Honolulu, Hawaii

DEPARTMENTAL / UNIVERSITY SERVICE

University of Oregon

University

APRU Sustainable Cities and Landscapes (SCL) Program Director (2016-present)
Center for Asian and Pacific Studies Board (CAPS) Advisory Board (2019 – present)
APRU SCL Inaugural Conference Organizer (2016-2017)
APRU SCL Hub Steering Committee (2016-present)
Korean Studies Working Group (2018-present)

School of Architecture and Environment / Department of Landscape Architecture

Director of Undergraduate Studies (BLA) (2017 - present)
BLA Admission Committee (2017 - present)
PhD Committee (2016 - present)
MLA Admission Committee (2016)
Faculty Advisor for a student group: Design for Climate Action
Faculty Advisor for a student team submitting to the 2019 EPA Rainworks Challenge competition

University of Texas at Arlington

University

UTA President's Sustainability Committee on Curriculum Research and Community Engagement (CRCE)
(2012 to 2016)
UTA Community Service Learning Faculty Fellow (2013-2014)

College / Department

CAPPA Visiting Scholar Review Committee (Spring 2016)
Planning and Landscape Architecture (PALA) Search Committee (Fall 2015 – Spring 2016)
The College Creation Team (Spring 2015)
City and Regional Planning (CIRP) Search Committee (Fall 2014 – Spring 2015)
Urban Affairs and Policy (MUAP) Curriculum Committee (Summer 2014 – Spring 2015)
CIRP Re-accreditation/ Curriculum Committee (Fall 2012 – Spring 2016)
Urban Planning and Public Policy (UPPP) Curriculum Committee (Fall 2012 – Spring 2016)

Campus Talks

- “Energy-conscious design and planning: Takeaways for the Opportunity Village Eugene” at LA 337 Design for a Sustainable World, UO, February 2019.
- “Designing Sustainable Energy Landscapes” at LA 199 Design for a Sustainable World, UO, May 2018.
- “Measuring climate literacy: Using survey data for interdisciplinary environmental education” Qualitative Research Brownbag, UT Arlington, TX. November 2015. (with A.W. Foss)
- “Environmental and ecological planning for the era of climate change” What’s NEXT meeting, College of Architecture, Planning and Public Affairs, UT Arlington, TX. March 2015.
- “Be the solution!: Service learning for sustainable communities” Arlington & Resident Life (Resident Assistant Community Program), UT Arlington, TX. March 2015.
- “San Francisco residential rooftop solar energy potential assessment” GIS Day, UT Arlington, TX, November 2012.

“How to prepare for academic jobs in planning” at the Urban Planning & Public Policy PhD Colloquium, UT Arlington, TX. October. 2012.

“Energy and the built environment” at LA 12 Environmental Science for Sustainable Development. Department of Landscape Architecture and Environmental Planning, UC Berkeley, CA. Nov. 2011

“Green policy conflicts in South Korea” at LA 253 Landscape Architecture and Environmental Planning Colloquium. UC Berkeley, CA. October 2010

COMMUNITY SERVICE / OUTREACH

LANDSCAPE FOR HUMANITY, Co-Founder and Board President (2019 – present)

SAVE INTERNATIONAL (a project of Earth Island Institute), Executive Member (2008 – present)

Community Service Learning Projects partnering with (Fall 2012 to present):

Public Works Department, CITY OF SIVERTON

City Manager’s Office, CITY OF EUGENE

SquareOne Villages

Park and Open Space, CITY OF EUGENE

Better Eugene-Springfield Transportation (BEST)

TRIMET and Planning and Sustainability, CITY OF PORTLAND (through Sustainable City Year Program)

Planning Department, CITY OF MCKINNEY

Community Development & Planning Department, CITY OF ARLINGTON

Parks & Recreation Department, CITY OF ARLINGTON

Environmental Services and Sustainability, CITY OF DENTON

Community Development Department, CITY OF KENNEDALE

Planning Department, CITY OF PLANO

Outdoor Learning Education, EAST FORT WORTH MONTESSORI ACADEMY

Composting, UTA OFFICE OF SUSTAINABILITY

Committee, HEART OF ARLINGTON NEIGHBORHOOD ASSOCIATION

Science Learning Center, RIVER LEGACY FOUNDATION

Riverside Sustainable Development Committee, FELLOWSHIP OF THE ARTS

INCLUSIVE DFW CONSORTIUM, founding member, invited (September 2015 – present)

NORTH TEXAS RENEWABLE ENERGY GROUP DFW Solar Home Tour, host (October 2012, October 2015)

CHINA-KOREA YOUTH CENTER FOR FUTURE FOREST, Korean delegate (April 2006)

GRADUATE INSTITUTE OF PEACE STUDIES, Co-President of Student Council (Spring 2006)

UNESCO VOLUNTEER FOR PEACE, Volunteer for Food Not Bombs/permaculture, Petaluma, CA (July 2003)

ECOFILES (Student environmental organization at Korea University), founding member (2002 – 2005)

GRADUATE STUDENT SUPERVISION & ADVISING

Students Individually supervised (Committee Chair)

Doctoral Student (Status)

1. Yeongseo Yu (Started Fall 2019)
2. Suji Kim (Fully funded visiting PhD candidate from the Korea Advanced Institute of Science and Technology, KAIST, Fall 2019)
3. Foss, Ann (Graduated in May 2016)
4. Fields, Rhonda (Field exam)
5. Adil, Ali M. (Field exam)

Masters Students (Graduation option, Completion date)

1. Wei-Ti Lien (Masters Project, June 2020)

2. Stagi, Shelby (Masters Project, June 2019)
3. Hsu, Ivy (Masters Project, June 2019)
4. Robles, Isaac (Professional Report, December 2015)
5. Krishnakumar, Tharani Devi (Project Report, August 2015)
6. Nur, Nabila (Thesis, December 2014)
7. Peters, Derica (Professional Report, December 2014)
8. Ahn, Sang Chun (Professional Report, December 2013)
9. Harashe, Cassandra Marie (Professional Report, December 2013)

Advising Activities (Committee Member)

Masters Thesis/Reports/Exams Committee (Graduation option, Completion date)

10. de la Cruz, Esmeralda (Professional Report, May 2016)
11. Gonzalez, Debora (Professional Report, May 2016)
12. Irby, Chelsea (Professional Report, December 2015)
13. McClellan, Corry (Professional Report, December 2015)
14. Leblanc, Chace (Professional Report, December 2015)
15. Riaz, Muzaib (Professional Report, December 2015)
16. Quintanilla, Danielle (Professional Report, May 2015)
17. Leon, Fernando (Earth & Environmental Science Comprehensive exam, April 2015)
18. Dockery, Lashanda (Professional Report, May 2014)
19. Reininger, Gregory (Professional Report, May 2014)
20. Estrada, Francisco (Professional Report, December 2013)
21. Adhikari, Binay (Professional Report, December 2013)
22. Mcleod, Tiffany (Professional Report, December 2013)
23. Khatibi, Kamran (Professional Report, December 2013)
24. Walker, Glory (Earth & Environmental Science Comprehensive exam, November 2013)
25. Rahmani, Azadeh (Professional Report, May 2013)
26. April, Jason (Professional Report, May 2013)
27. Sodimu, John (Professional Report, May 2013)
28. Park, MinJu (Professional Report, December 2012)
29. Chiara, Michelle (Professional Report, December 2012)
30. Hanson, Jonelle (Professional Report, December 2012)

Ph.D. Exam/Defense Committee (Types, Date)

1. Elderbrock, Evan (Comprehensive Exam Chair, April and May 2020)
2. Stapleton, Ellee (Comprehensive Exam Chair, April and May 2019)
3. Khajouei, Ayeh S (UPPP Proposal defense, April 2016)
4. Topham, Megan (UPPP Field exam, January 2015; Proposal defense, April 2015, Dissertation defense, November 2015)
5. Namin, Sima (UPPP Field exam, November 2014; Proposal Defense, June 2015)
6. Douglas, Racquel (Civil Engineering Diagnostic exam, May 2014; Proposal Defense, May 2016)
7. Foss, Ann (UPPP Proposal Defense, June 2013)