

**YEKANG KO, Ph.D.**

Assistant Professor  
Department of Landscape Architecture  
University of Oregon  
Email: [yekangko@uoregon.edu](mailto:yekangko@uoregon.edu)

**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**

2016—present	<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**

Environmental Planning: urban energy planning, green infrastructure, urban ecology, climate responsive urban design, climate change planning, and Geographic Information Science (GIS); environmental education and community service learning; Asia-Pacific region

**PUBLICATIONS** (\*denotes student)

**PEER-REVIEWED JOURNAL ARTICLES**

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 IN SUBMISSION

- Ko, Y., Jang, K., and Radke, J.D. 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* (Revised and resubmitted)
- Ko, Y. Urban trees for residential energy conservation: A systematic quantitative review and implications for landscape planning and design, *Wiley Interdisciplinary Reviews: Energy and Environment* (Under revision, *invited*)

### MANUSCRIPTS IN PREPARATION

- Ko, Y. and Foss, A.W.\* Measuring and improving climate literacy in politically conservative regions. To be submitted to *Environment*
- Ko, Y. and Foss, A.W.\* Increasing undergraduate student environmental literacy, values, and action through hands-on curriculum and service learning. To be submitted to *International Journal of Sustainability in Higher Education*

### OTHER PUBLICATIONS

- 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. (Peer-reviewed)
- 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.
- Deakin, E. et al. *Transit Oriented Development for High Speed Rail (HSR) in the Central Valley, California: Design Concepts for Stockton and Merced*, The Center for Global Metropolitan Studies, University of California, Berkeley. Submitted to the California High Speed Rail Authority on July 31, 2008.

**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**

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**

2016	Rotary Club Professor of the Year - Excellence in Higher Education Award
2016	UT ARLINGTON CAPPAs Stars for Shining Ever So Brightly Award
2016	UT ARLINGTON Faculty Senate Travel Award
2013 – 2014	UT ARLINGTON Community Service Learning Faculty Fellow
2012 / 2015	UT ARLINGTON Office of Sustainability Travel Support Grants
2011	UC BERKELEY Beatrix Farrand Dissertation Research Grant
2011	UC BERKELEY Graduate Division Summer Grant
2010	UC BERKELEY Dean's Normative Time Fellowship
2009	GRADUATE WOMEN IN SCIENCE Eloise Gerry Fellowship <i>Top 10 dissertation proposals awarded out of 305 applications</i>
2008 – 2011	UC BERKELEY Beatrix Farrand Travel Grant (multiple awards)
2007 – 2009	UC BERKELEY 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, travels, room &amp; board support for all semesters</i>
2002 / 2001	KOREA UNIVERSITY Best Honors Scholarship
2002	KOREA UNIVERSITY Honors Scholarship

**SELECTED GRANTS**

2015 – 2016	<b>UT ARLINGTON Inaugural Interdisciplinary Research Program (PI, \$17,880)</b> "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 <i>The top 5 projects awarded out of 48 proposals campus-wide</i>
2015 – 2016	<b>UT ARLINGTON CAPPAs What's NEXT Seed Grant (PI, \$10,000)</b> "Develop a Green Infrastructure Index: Comprehensive Metrics to Measure Ecological and Social Services of the Urban Landscapes"
2014 – 2015	<b>NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (Co-PI, \$43,360)</b> "Climate Change/Extreme Weather Vulnerability and Risk Assessments for the Dallas-Fort Worth Regional Transportation Infrastructure" PI—Dr. Arne Winguth
2013 – 2014	<b>USDA FOREST SERVICE PSW RESEARCH STATION/UC BERKELEY (PI, \$28,363)</b> "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).
- 2004             **DEPT. OF ENV. SCIENCE AND ECOLOGICAL ENGINEERING, KOREA UNIVERSITY**  
Research Assistant for the GIS & RS Lab (Professor Woo Kyun Lee) and the Population Ecology Lab (Professor Moon Il Ryoo)

**TEACHING EXPERIENCE****UNIVERSITY OF TEXAS AT ARLINGTON**

- |   |                                       |
|---|---------------------------------------|
| Metropolitan Sustainability and Plan Making (Graduate)<br><i>Instructor</i>   | SP 2016, SP 2015, SP 2014,<br>SP 2013 |
| Environmental Planning (Graduate)<br><i>Instructor</i>  | SP 2016, SP 2015, SP 2014             |
| Introduction to Green Cities & Transportation (Graduate)<br><i>Instructor</i>   | FA 2015, FA 2014, FA 2013             |
| Sustainable Communities (Undergraduate)<br><i>Instructor Featured in the UTA Magazine Fall 2014 as a “crash course”</i> | FA 2014, FA 2013, SP 2013             |

**UNIVERSITY OF CALIFORNIA, BERKELEY**

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|--|------------------|
| Landscape Architecture & Environmental Planning Colloquium (Graduate)<br><i>Instructor</i>     | FA 2011          |
| Computer Applications in Environmental Design (Undergraduate/Graduate)<br><i>Co-Instructor</i> | SP 2011          |
| Environmental Planning Studio (Graduate)<br><i>Module Instructor</i>                           | SP 2011, SP 2010 |
| Geographic Information Systems (Undergraduate/Graduate)<br><i>Graduate Student Instructor</i>  | FA2009, FA 2008  |

**CONFERENCE PRESENTATIONS** (all as a presenter)

- “Measuring climate and extreme weather literacy in politically conservative regions: The case of Dallas-Fort Worth”  
To be presented at the Association of American Geographers (**AAG**) Annual Meeting, San Francisco, CA. March 2016.
- “Zero net energy communities: the feasibility of meeting residential and vehicle energy demand by on-site solar energy supply. Presented at the Annual Conference of the Association of Collegiate Schools of Planning (**ACSP**), Houston TX. October 2015.
- “Long-term survival of Sacramento Shade trees and its influence on energy-saving performance: Empirical evidence and implications for urban planning.” Presented at the Livable Communities Through Urban Forestry, Washington, D.C. August 2015. (*Invited*)
- “Does greening pay off?: Long-term performance of shade trees in Sacramento, CA.” Presented at the Association of American Geographers (**AAG**) Annual Meeting, Chicago, IL. April 2015.
- “Climate change/extreme weather vulnerability and risk assessments for the Dallas-Fort Worth regional transportation infrastructure.” Presented at the Climate Resilience & Adaptation Symposium, Arlington, TX. February 2015.
- “Long-term effectiveness of urban tree planting initiatives: a 20-year evaluation of the Sacramento Shade tree program.” Presented at the Annual Conference of the Association of Collegiate Schools of Planning (**ACSP**), Philadelphia, PA. November 2014.
- “Quantifying the impacts of urban form on residential cooling energy use: the case of Sacramento, California.” Presented at the Annual Conference of the Association of Collegiate Schools of Planning (**ACSP**), Cincinnati, OH. November 2012.
- “On-site solar energy utilization in cities: location matters” Presented at the Association of American Geographers (**AAG**) Annual Meeting, New York, NY. February 2012
- “City-wide on-site solar energy assessment: the case of the City of San Francisco” Poster presented at the Berkeley Energy and Resources Collaborative Symposium, Berkeley, CA. October 2011.
- “Preserving vibrant habitat: co-mingling urban and natural resources in Hakata Bay, Japan, and its implication for Incheon, South Korea” Presented at Symposium for Conservation of Black-faced Spoonbills and International Network, Ganghwa, South Korea. May 2011.
- “The effects of urban trees on residential solar photovoltaic potential: the case of San Francisco, CA” Presented at the Annual Conference of the Council of Educators in Landscape Architecture (**CELA**), Los Angeles, CA. March 2011.
- “Conflicting greens: Systematic Greens, Segmented Greens, and False Greens” Presented at the Annual Conference of the Council of Educators in Landscape Architecture (**CELA**), Los Angeles, CA. March 2011.

**INVITED TALKS**

- “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” at the 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”, at the 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” at 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.
- “North-South Korea environmental cooperation through Clean Development Mechanisms (CDM) under the Framework of the Convention on Climate Change (UNFCCC)” Civil Network For Peaceful Korea, Seoul, South Korea. May 2006.

### **CAMPUS TALKS**

- “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

### **SERVICE TO PROFESSION**

#### **Manuscript Reviewer:**

*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 Organization and Panel Participation**

Organizer, Paper session on “Risk Perception and Resilience Planning”, To be presented at the Association of American Geographers (**AAG**) Annual Meeting, San Francisco, CA, March 2016.

Panelist, Panel on “The Myth of Smart Urbanism: Songdo City and Beyond”, To be presented at the Association of American Geographers (**AAG**) Annual Meeting, San Francisco, CA, March 2016.

Moderator (invited), Paper session on “Planning for the Future: Green Cities of the Future” Livable Communities Through Urban Forestry, Washington, D.C. August 2015.

### **DEPARTMENTAL / UNIVERSITY SERVICE**

#### **University**

UO Sustainable Cities and Landscapes (SLC) Research Hub Steering Committee (2016-present)  
UTA President’s Sustainability Committee—Curriculum Research and Community Engagement (CRCE) (2012 to present)  
UTA Community Service Learning Faculty Fellow (2013-2014)

#### **College of Architecture, Planning and Public Affairs/ School of Urban and Public Affairs**

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)

### **COMMUNITY SERVICE / OUTREACH**

SAVE INTERNATIONAL (A project of Earth Island Institute), Executive member (2008 – present)  
FORT-WORTH MUSEUM OF SCIENCE AND HISTORY, Science Communication Fellow (2016 – present)  
Community Service Learning Projects partnering with (Fall 2012 to Spring 2016):  
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)

## **STUDENT SUPERVISION & ADVISING**

### **Students Individually supervised (Committee Chair)**

#### Doctoral Student (Status)

1. Foss, Ann (May 2016)
2. Fields, Rhonda (Field exam in preparation)
3. Adil, Ali M. (Field exam in preparation)
4. Kessler, Frank (Diagnostic)
5. Yildirim, Yalcin (Diagnostic)

#### Masters Students (Graduation option, Completion date)

1. Robles, Isaac (Professional Report, December 2015)
2. Krishnakumar, Tharani devi (Project Report, August 2015)
3. Nur, Nabila (Thesis, December 2014)
4. Peters, Derica (Professional Report, December 2014)
5. Ahn, Sang Chun (Professional Report, December 2013)
6. Harashe, Cassandra Marie (Professional Report, December 2013)

### **Advising Activities (Committee Member)**

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

1. de la Cruz, Esmeralda (Professional Report, May 2016)
2. Gonzalez, Debora (Professional Report, May 2016)
3. Irby, Chelsea (Professional Report, December 2015)
4. McClellan, Corry (Professional Report, December 2015)
5. Leblanc, Chace (Professional Report, December 2015)
6. Riaz, Muzaib (Professional Report, December 2015)
7. Quintanilla, Danielle (Professional Report, May 2015)
8. Leon, Fernando (Earth & Environmental Science Comprehensive exam, April 2015)
9. Dockery, Lashanda (Professional Report, May 2014)
10. Reiningger, Gregory (Professional Report, May 2014)
11. Estrada, Francisco (Professional Report, December 2013)
12. Adhikari, Binay (Professional Report, December 2013)
13. Mcleod, Tiffany (Professional Report, December 2013)
14. Khatibi, Kamran (Professional Report, December 2013)
15. Walker, Glory (Earth & Environmental Science Comprehensive exam, November 2013)
16. Rahmani, Azadeh (Professional Report, May 2013)
17. April, Jason (Professional Report, May 2013)
18. Sodimu, John (Professional Report, May 2013)
19. Park, MinJu (Professional Report, December 2012)
20. Chiara, Michelle (Professional Report, December 2012)
21. Hanson, Jonelle (Professional Report, December 2012)



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

1. Khajouei, Ayeh S (UPPP Proposal defense, April 2016)
2. Topham, Megan (UPPP Field exam, January 2015; Proposal defense, April 2015, Dissertation defense, November 2015)
3. Namin, Sima (UPPP Field exam, November 2014; Proposal Defense, June 2015)
4. Douglas, Racquel (Civil Engineering Diagnostic exam, May 2014; Proposal Defense, May 2016)
5. Foss, Ann (UPPP Proposal Defense, June 2013)

**COLLABORATORS**

E. Gregory McPherson (US Forest Service), Lara. A. Roman (US Forest Service), Junhak Lee (UO Landscape Architecture), Kitae Jang (Korea Advanced Institute of Science and Technology Transportation Engineering), John D. Radke (UC Berkeley Landscape Architecture and Environmental Planning), R.T. Hester (UC Berkeley Landscape Architecture and Environmental Planning), Hamil Pearsall (Temple University Geography and Urban Studies), Alexandra Ponette (University of North Texas Geography), Dohyeoung Kim (UT Dallas Public Policy and Political Economy), Mary L. Urquhart (UT Dallas Science/Mathematics Education), Debbie Cockerham (Fort Worth Museum of Science and History), Dong-Jun Seo (UTA Civil Engineering), Victoria Chen (UTA Industrial Engineering), Sahadat M. Hossain (UTA Civil Engineering), Jiyeon Yoon (UTA Curriculum and Instruction), Mihyun Kim (Texas State, San Marcos Art and Design)

**ANALYSIS SKILLS**

Spatial Analysis: Proficient in ArcGIS.

Quantitative Data Analysis: Proficient in Excel, Stata and SPSS.

Building Energy Simulation: Working knowledge of Energy10, eQUEST, Ecotect, SPS and Micropas etc.

Design Representation: Working knowledge of Photoshop and Illustrator.

**ACADEMIC & PROFESSIONAL MEMBERSHIPS**

Association of Collegiate Schools of Planning (ACSP)

Association of American Geographers (AAG)

Council of Educators in Landscape Architecture (CELA)

American Planning Association (APA)

Participatory Community Design in the Pacific Rim

Korean-American Association for Geospatial and Environmental Sciences (KAGES)