

DONGYING LI

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EDUCATION

2016	Ph.D. in Landscape Architecture , University of Illinois at Urbana-Champaign, Champaign, IL Concentration area: Landscape Resiliency and Human Health Dissertation Title: Access to Nature and Adolescents' Psychological Well-Being Committee: William Sullivan, Sara McLafferty, Mei-Po Kwan, Chen-Yen Chang, and Brian Deal
2011	M.S. in Landscape Architecture , Tongji University, Shanghai, China Concentration: Landscape Planning and Design
2008	B.S. in Landscape Architecture , Tongji University, Shanghai, China Concentration: Landscape Planning and Design

POSITIONS HELD

2018-present	Assistant Professor, Department of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX
2016-2017	Visiting Assistant Professor, Department of Landscape Architecture, Ball State University, Muncie, IN
2011-2016	Graduate Research Assistant, Department of Landscape Architecture, University of Illinois at Urbana-Champaign, IL
2011	Landscape Designer, AECOM Shanghai Office, China
2008-2010	Landscape Designer (part-time), Liubinyi Landscape Planning and Design Studio, Tongji Planning Institute, Shanghai, China

PUBLICATIONS

Refereed Journal Articles

* Denotes students

1. Wang, H., & Li, D. (2023). Emergency department visits for mental disorders and the built environment: Residential greenspace and historical redlining. *Landscape and Urban Planning*, 230, 104568.
2. Zhai, Y., Li, D., Wu, C., & Wu, H. (2023). Spatial distribution, activity zone preference, and activity intensity of senior park users in a metropolitan area. *Urban Forestry & Urban Greening*, 127761.
3. Li, D., Zhai, Y., Chang, P. J., Merrill, J., Browning, M. H., & Sullivan, W. C. (2022). Nature deficit and senses: Relationships among childhood nature exposure and adulthood sensory profiles, creativity, and nature relatedness. *Landscape and Urban Planning*, 226, 104489.
4. Li, D., Newman, G. D., Wilson, B., Zhang, Y.*, & Brown, R. D. (2021). Modeling the relationships between

historical redlining, urban heat, and heat-related emergency department visits: An examination of 11 Texas cities. *Environment and Planning B: Urban Analytics and City Science*, 23998083211039854. <https://doi.org/10.1177/23998083211039854>

5. Newman, G., **Li, D.**, & Park, Y. (2022). The relationships between neighbourhood vacancy, probable PTSD, and health-related quality of life in flood-disaster-impacted communities. *Urban Studies*, 00420980221083101. <https://doi.org/10.1177/00420980221083101>

6. Browning, M., **Li, D.**, White, M. P., Bratman, G., Becker, D., & Benfield, J. (2022). Association between residential greenness during childhood and emotional intelligence during young adulthood: A retrospective life course analysis in the United States. *Health & Place*, 74, 102755. <https://doi.org/10.1016/j.healthplace.2022.102755>

7. Hsieh, C., & Li, D. (2022). Understanding how virtual reality forest experience promote physiological and psychological health for patients undergoing hemodialysis. *Frontiers in Psychiatry*, 13.

8. Lin, J.* , **Li, D.**, & Brown, R. D. (2022). Microclimatic Landscape Architecture: From Theory to Application. *Urban Science*, 6(1), 9.

9. Ding, Y.* , **Li, D.**, & Sang, H. (2022). Park Characteristics and Changes in Park Visitation before, during, and after COVID-19 Shelter-in-Place Order. *Sustainability*, 14(6), 3579. <https://doi.org/10.3390/su14063579>

10. Kim, Y., Yu, S., **Li, D.**, Gatson, S. N., & Brown, R. D. (2022). Linking Landscape Spatial Heterogeneity to Urban Heat Island and Outdoor Human Thermal Comfort in Tokyo: Application of the Outdoor Thermal Comfort Index. *Sustainable Cities and Society*, 104262.

11. Chiang, Y. C., Ke, R. A., Li, D., & Weng, P. Y. (2022). Greening and Safety: The Influence of Road Greenness on Driver's Attention and Emergency Reaction Time. *Environment and Behavior*, 00139165221147627.

12. Li, X., Huang, X., **Li, D.**, & Xu, Y. (2022). Aggravated social segregation during the COVID-19 pandemic: Evidence from crowdsourced mobility data in twelve most populated US metropolitan areas. *Sustainable Cities and Society*, 81, 103869.

13. Li, X.* , Zhang, Y.* , **Li, D.**, Xu, Y., & Brown, R. D. (2022). Ameliorating cold stress in a hot climate: Effect of Winter Storm Uri on residents of subsidized housing neighborhoods. *Building and Environment*, 2022, 209, 108646. <https://doi.org/10.1016/j.buildenv.2021.108646>

14. Teshnehdel*, S., Gatto, E., **Li, D.**, & Brown, R. D. (2022). Improving Outdoor Thermal Comfort in a Steppe Climate: Effect of Water and Trees in an Urban Park. *Land*, 11(3), 431.

15. Newman, G., Sansom, G. T., Yu, S., Kirsch, K. R., **Li, D.**, Kim, Y., ... & Musharrat, S. (2022). A Framework for Evaluating the Effects of Green Infrastructure in Mitigating Pollutant Transferal and Flood Events in Sunnyside, Houston, TX. *Sustainability*, 14(7), 4247.

16. **Li, D.**, Menotti, T.* , Ding, Y.* , & Wells, N. M. (2021). Life Course Nature Exposure and Mental Health Outcomes: A Systematic Review and Future Directions. *International Journal of Environmental Research and Public Health*, 18(10), 5146. <https://doi.org/10.3390/ijerph18105146>

17. **Li, D.**, Newman, G., Zhang, T., Zhu, R.* , & Horney, J. (2021). Coping with Post-Hurricane Mental Distress: The Role of Neighborhood Green Space. *Social Science & Medicine*, 114084. <https://doi: 10.1016/j.socscimed.2021.114084>

18. Cheng, W., **Li, D.**, Liu, Z., & Brown, R. D. (2021). Approaches for identifying heat-vulnerable populations and

- locations: A systematic review. *Science of the Total Environment*, 149417. <https://doi.org/10.1016/j.scitotenv.2021.149417>
19. Han, B. *, **Li, D.**, & Chang, P.-J. (2021). The Effect of Place Attachment and Greenway Attributes on Well-being among Older Adults in Taiwan. *Urban Forestry & Urban Greening*, 127306. <https://doi.org/10.1016/j.ufug.2021.127306>
20. Zhai, Y., **Li, D.**, Wu, C., & Wu, H. (2021). Urban park facility use and intensity of seniors' physical activity—An examination combining accelerometer and GPS tracking. *Landscape and Urban Planning*, 205, 103950. <https://doi.org/10.1016/j.landurbplan.2020.103950>
21. Chu, Y*. T., **Li, D.**, & Chang, P. J. (2021). Effects of Urban Park Quality, Environmental Perception, and Leisure Activity on Well-Being among the Older Population. *International Journal of Environmental Research and Public Health*, 18(21), 11402. <https://doi.org/10.3390/ijerph182111402>
22. Newman, G., **Li, D.**, Tao, Z. *, & Zhu, R. * (2021). Recent Trends in LA-Based Research: A Topic Analysis of CELA Abstract Content. *Landscape Journal*, 39(2), 51-73. <https://doi.org/10.3368/wplj.39.2.51>
23. Wang, J., Wu, X., Wang, R., He, D., **Li, D.**, Yang, L., Yang, Y., & Lu, Y. (2021). Review of Associations between Built Environment Characteristics and Severe Acute Respiratory Syndrome Coronavirus 2 Infection Risk. *International Journal of Environmental Research and Public Health*, 18(14), 7561. <https://doi.org/10.3390/ijerph18147561>
24. Song, Y., Wang, R., Fernandez, J., & **Li, D.** (2021). Investigating sense of place of the Las Vegas Strip using online reviews and machine learning approaches. *Landscape and Urban Planning*, 205, 103956. <https://doi.org/10.1016/j.landurbplan.2020.103956>
25. Zhai, Y., **Li, D.**, Wang, D., & Shi, C. (2020). Seniors' physical activity in neighborhood parks and park design characteristics. *Frontiers in Public Health*, 8, 322. <https://doi.org/10.3389/fpubh.2020.00322>
26. Newman, G., Shi, T. *, Yao, Z. *, **Li, D.**, Sansom, G., Kirsch, K., ... & Horney, J. (2020). Citizen Science-Informed Community Master Planning: Land Use and Built Environment Changes to Increase Flood Resilience and Decrease Contaminant Exposure. *International Journal of Environmental Research and Public Health*, 17(2), 486. <https://doi.org/10.3390/ijerph17020486>
27. **Li, D.**, Zhai, Y., Xiao, Y., Newman, G., & Wang, D. (2019). Subtypes of park use and self-reported psychological benefits among older adults: A multilevel latent class analysis approach. *Landscape and Urban Planning*, 190, 103605. <https://doi.org/10.1016/j.landurbplan.2019.103605>
28. **Li, D.**, Larsen, L., Yang, Y., Wang, L., Zhai, Y., & Sullivan, W. C. (2019). Exposure to nature for children with autism spectrum disorder: Benefits, caveats, and barriers. *Health & Place*, 55, 71-79. [doi:10.1016/j.healthplace.2018.11.005](https://doi.org/10.1016/j.healthplace.2018.11.005). <https://doi.org/10.1016/j.healthplace.2018.11.005>
29. **Li, D.**, Chiang, Y.-C., Sang, H., & Sullivan, W. C. (2019). Beyond the school grounds: Links between density of tree cover in school surroundings and high school academic performance. *Urban Forestry & Urban Greening*, 38, 42-53. <https://doi.org/10.1016/j.ufug.2018.11.001>
30. Chiang, Y.-C. & **Li, D.** (2019). Metric or topological proximity? The associations among proximity to parks, the frequency of residents' visits to parks, and perceived stress. *Urban Forestry & Urban Greening*, 38, 205-214. <https://doi.org/10.1016/j.ufug.2018.12.011>

31. Newman, G., **Li, D.**, Zhu, R.* , Ren, D.* (2019). Resilience through Regeneration: The economics of repurposing vacant land with green infrastructure. *Landscape Architecture Frontiers*, 6(6), 10-23. <https://doi.org/10.15302/J-LAF-20180602>
32. Zhou, X., Wang, M., & **Li, D.** (2019). Bike-sharing or taxi? Modeling the choices of travel mode in Chicago using machine learning. *Journal of Transport Geography*, 79, 102479. <https://doi.org/10.1016/j.jtrangeo.2019.102479>
33. Zhou, X., Tong, W., & **Li, D.** (2019). Modeling Housing Rent in the Atlanta Metropolitan Area Using Textual Information and Deep Learning. *ISPRS International Journal of Geo-Information*, 8(8), 349. <https://doi.org/10.3390/ijgi8080349>
34. **Li, D.**, Deal, B., Zhou, X., Slavenas, M., & Sullivan, W. C. (2018). Moving beyond the neighborhood: Daily exposure to nature and adolescents' mood. *Landscape and Urban Planning*, 173, 33-43. <https://doi.org/10.1016/j.landurbplan.2018.01.009>
35. **Li, D.**, Zhou, X., & Wang, M. (2018). Analyzing and visualizing the spatial interactions between tourists and locals: A Flickr study in ten US cities. *Cities*, 74, 249-258. <https://doi.org/10.1016/j.cities.2017.12.012>
36. Zhou, X. & **Li, D.** (2018). Quantifying multi-dimensional attributes of human activities at various geographic scales based on smartphone tracking. *International Journal of Health Geographics*, 17(1), 11. <https://doi.org/10.1186/s12942-018-0130-3>
37. Zhou, X. & **Li, D.** (2018). Tracing environmental narratives: a web-based tool for the analysis and visualization of georeferenced narratives. *GeoJournal*, 83(2), 399-412. <https://doi.org/10.1007/s10708-017-9774-y>
38. Newman, G., George, B., **Li, D.**, Tao, Z.* , Yu, S.* , & Lee, R. J. (2018). Online Learning in Landscape Architecture: Assessing Issues, Preferences, and Student Needs in Design-Related Online Education. *Landscape Journal*, 37(2), 41-63. <https://doi.org/10.3368/lj.37.2.41>
39. Chiang, Y. C., **Li, D.**, & Jane, H. A.* (2017). Wild or tended nature? The effects of landscape location and vegetation density on physiological and psychological responses. *Landscape and Urban Planning*, 167, 72-83. <https://doi.org/10.1016/j.landurbplan.2017.06.001>
40. Yang, Y., Shin, J. C., **Li, D.**, & An, R. (2017). Sedentary behavior and sleep problems: A systematic review and meta-analysis. *International Journal of Behavioral Medicine*, 24(4), 481-492. <https://doi.org/10.1007/s12529-016-9609-0>
41. **Li, D.** & Zhou, X. (2017). "Leave your footprints in my words"— A georeferenced word-cloud approach. *Environment and Planning A*, 49(3), 489-492. <https://doi.org/10.1177/0308518X16662273>
42. Zhou, X., Wang, M., & **Li, D.** (2017). From stay to play — A travel planning tool based on crowdsourcing user-generated contents. *Applied Geography*, 78, 1-11. <https://doi.org/10.1016/j.apgeog.2016.10.002>
43. **Li, D.** & Sullivan, W. C. (2016). Impact of views to school landscapes on recovery from stress and mental fatigue. *Landscape and Urban Planning*, 148, 149-158. <https://doi.org/10.1016/j.landurbplan.2015.12.015>
44. Zhou, X., **Li, D.**, & Larsen, L. (2016). Using web-based participatory mapping to investigate children's perceptions and the spatial distribution of outdoor play places. *Environment and Behavior*, 48(7), 859-884. <https://doi.org/10.1177/0013916515571732>
45. Jiang, B., Li, D., Larsen, L., & Sullivan, W. C. (2016). A dose-response curve describing the relationship between urban tree cover density and self-reported stress recovery. *Environment and Behavior*, 48(4), 607-629. <https://doi.org/10.1177/0013916514552321>

Journal Articles under Review

1. Kim, Y., Li, D., Xu, Y., Zhang, Y., Li, X., Muhlenforth, L., Xue S., & Brown, R. D. (Under review). Assessment of heat vulnerability and street-level outdoor thermal comfort in the city of Houston: Application of google street view images and outdoor human energy-budget model index. Under review for *Sustainable cities and Society*.
2. Ho, L., Chiang, Y., Liu, H-H., Li, D. (Under review). Quantification of sky view factor and greenery on urban streets during hot and cool seasons through deep learning. Under review for *Landscape and Urban Planning*.
3. Zou, L., Liao, D.*, Lam, N., Meyer, M., Gharaibeh, N., Cai, H., Zhou, B., & Li, D. (Under review). Social Media for Emergency Rescue: An Analysis of Rescue Requests on Twitter During Hurricane Harvey. Under review for *Environment and Behavior*.

Book Chapters

1. Newman, G., & Li, D. (2022). Ch. 24: The Urban Periculum: A Landscape at Risk from Sea Level Rise. In: Newman, G. & Qiao, X. (Eds.) *Design for Sea Level Rise: Innovative Global Solutions*. Routledge: London.
2. Sullivan, W. C., & Li, D. (2021). Nature and attention. In: Schutte A.R., Torquati J.C., Stevens J.R. (Eds.) *Nature and Psychology*. Nebraska Symposium on Motivation, vol 67. Springer, Cham.
3. Newman, G. & Li, D. (2019). "Environmental and social resilience by design, in Houston, Texas, United States." In Orland, B., & Steinitz, C. (Eds.), *The International Geodesign Collaboration: Changing Geography by Design*. Redlands, CA: Esri Press.

Invited Conference Reviews

1. Ozdil, T. R., Li, D., & Newman, G. (2021). 100 +1| RESILIENCE. The 2021 Council of Educators in Landscape Architecture Conference. *Landscape Journal*, 40(2), 123-127.
2. Ozdil, T. R., Li, D., & Newman, G. (2020). 100 Years of CELA: Past, Present, and Future. The 2020 Council of Educators in Landscape Architecture Conference. *Landscape Journal*, 39(1), 91-93.
3. Newman, G., Ozdil, T. R., & Li, D. (2018). The 2019 Council of Educators in Landscape Architecture (CELA) Conference. *Landscape Journal*, 37(2), 133-135.

PRESENTATIONS AND TALKS

Conference Oral Presentations

1. Kim, Y., Yu, S., Li, D., Gatson, S., & Brown, R.D. (2022). Linking Landscape Spatial Heterogeneity to Outdoor Human Thermal Comfort in Tokyo Metropolitan City: Application of the COMFA Energy Budget Model. Paper presented at the ACSF 2022 Annual Conference, Toronto, November 2022.
2. Lee, S., Nam, J., Li, D., & Walker, J. (2022). Neighborhood safety among children exposed to neighborhood violence: Does neighborhood support and physical disorder really matter? Paper presented at the APHA 2022 Annual Conference, Boston, Nov 2022.
3. Li, D. (2022). Contact with Nature in Childhood and Sensory Characteristics in Adulthood. Paper presented at the EDRA 53 Annual Conference, Greenville, June 2022.

4. Newman, G. & Li, D. (2022). The Effects of Vacant Land on Mental Health in Flood-Disaster Impacted Communities. Paper presented at the EDRA 53 Annual Conference, Greenville, June 2022.
5. Li, D., Lee, C., Park, A. *, Lee, H., Ding, Y*. (2022). Urban (Infra)structure for pedestrian health: a methodological exploration. Paper presented at the CELA 2022 Annual Conference, Santa Ana Pueblo, NW, March 2022.
6. Ding, Y. *, Li, D., Sang, H. (2022). Park characteristics and changes in park visitation before, during, and after COVID-19 shelter-in-place order. Paper presented at the CELA 2022 Annual Conference, Santa Ana Pueblo, NW, March 2022.
7. Sullivan, W., Chang, C., Lee, C., Kweon, B., Li, D., Chang, P. (2022). Panel: Landscape architecture for health across the lifespan. Paper presented at the CELA 2022 Annual Conference, Santa Ana Pueblo, NW, March 2022.
8. Lee, H., Lee, C., Park, A. *, Ding, Y. *, Li, D. (2022). Paper presented at the CELA 2022 Annual Conference, Santa Ana Pueblo, NW, March 2022.
9. Owens, P., Loebach, J., Kweon, B., Li, D. (2022). Shifting scholarship: creative adaptations and lessons for future research. Paper presented at the CELA 2022 Annual Conference, Santa Ana Pueblo, NW, March 2022.
10. Wang, H.* & Li, D. Emergency department visits for mental disorders and the built environment: residential greenspace and historical redlining. Paper presented at the 2nd World Conference on Forests for Public Health, Seoul (virtual), October 2021.
11. Li, D. (2021). Nearby Nature and Post-Traumatic Stress Disorder in Hurricane Affected Communities: The Direct and Indirect Effects. Paper presented at the Nature and Health Conference, University of Washington (virtual), October, 2021.
12. Cheng, W., Li, D., & Liu, Z. (2021). The development and application of heat vulnerability indices/models: A systematic review. Paper presented at the CELA 2021 Annual Conference, Virtual, March 2021.
13. Lee, S., Lee, C., Eisenman, T., Tulloch, D., Jiang, S., Ndubisi, F., & Li, D. (2021). Panel: LA for Health III: Teaching and Pedagogical Strategies on Landscape for Health-Design. Panel to be presented at the CELA 2021 Annual Conference, Virtual, March 2021.
14. Li, D. & Newman, G. (2021). Nearby Nature and Post-Traumatic Stress Disorder: Evidence from Hurricane-Affected Communities. Paper presented at the CELA 2021 Annual Conference, Virtual, March 2021.
15. Li, D. & Zhou, X. (2020). Increase in green access and crime: An examination of a city-wide greenway system in Houston, TX. Paper accepted for the 2020 American Association of Geographers Annual Conference, Denver, CO, April 2020. *(Conference canceled due to COVID-19.)*
16. Liao, D. *, Zou, L., Lam, N., & Li, D. (2020). Towards Intelligent Disaster Management: A Spatial-Temporal Analysis of Rescue Requests on Twitter during Hurricane Harvey. Paper accepted for the 2020 American Association of Geographers Annual Conference, Denver, CO, April 2020. *(Conference canceled due to COVID-19.)*
17. Li, D., Newman, G., & Zhai, Y. (2020). A closer look at “park prescriptions”: Subtypes of park use and psychological benefits. Paper accepted for the CELA 2020 Annual Conference, Louisville, KY, March 2020. *(Conference canceled due to COVID-19.)*

18. Newman, G., **Li, D.**, Tao, Z.* , & Zhu, R.* (2020). Trends in CELA-based Research: A Comprehensive and Track Separated Longitudinal Analysis of Submission Content. Paper accepted for the CELA 2020 Annual Conference, Louisville, KY, March 2020. (*Conference canceled due to COVID-19.*)
19. **Li, D.** (2019). Learning environment, process, and outcomes: the missing links between exposure to nature and adolescents' learning. Paper presented at the Forum on Green Infrastructure and Public Health, Beijing, China, May 2019.
20. **Li, D.** (2019). Duration of activity in various park environments and psychological benefits among older adults: a GPS tracking study. Paper presented at the 2019 World Conference on Forests for Public Health, Athens, Greece, May 2019.
21. **Li, D.** & Sullivan, W. C. (2019). Exposure to nature and children with autism spectrum disorder. Paper presented at the 2019 World Conference on Forests for Public Health, Athens, Greece, May 2019.
22. **Li, D.** & Sullivan, W. C. (2019). Nature and learning: density of tree canopy cover in school surroundings and high school academic performance. Paper presented at the CELA 2019 Annual Conference, Davis, CA, March 2019.
23. Maghlakelidze, M.* , Jiang, S., Song, Y., & **Li, D.** (2019). Nature at playground and the impacts on children's play behaviors: a comparative case study. Paper presented at the CELA 2019 Annual Conference, Davis, CA, March 2019.
24. **Li, D.** & Sullivan, W. C. (2018). Activity in green space and children with autism spectrum disorder. Paper presented at the CELA 2018 Annual Conference, Blacksburg, VT, March 2018.
25. **Li, D.** & Zhou, X. (2018). Understanding urban attractions using volunteered geographic information: a Flickr study of ten U.S. cities. Paper presented at the CELA 2018 Annual Conference, Blacksburg, VT, March 2018.
26. **Li, D.** (2017). Urban Mood Footprint: Design interventions to enhance adolescents' health. Paper presented at the CELA 2017 Annual Conference, Beijing, China, May 2017.
27. **Li, D.** & Sullivan, W. C. (2017). Access to nature and adolescents' health: A comparison of multiple methods. Paper presented at the CELA 2017 Annual Conference, Beijing, China, May 2017.
28. **Li, D.** & Sullivan, W. C. (2016). Urban landscapes, activity space, and adolescents' psychological well-being. Paper presented at the 2016 Jean Piaget Society Annual Meeting, Chicago, IL, May 2016.
29. **Li, D.** & Sullivan, W. C. (2016). Using Google Street View to Examine High School Students' Exposure to Green Space and Their Psychological Well-being. Paper presented at the CELA 2016 Annual Conference, Logan, UT, March 2016.
30. **Li, D.**, Schmillen, R., & Sullivan, W. C. (2015). Classroom Environment and Students' Emotional States—Bringing in Mobile EEG in Environmental Psychology Study. Paper presented at the 2015 EDRA annual conference, Los Angeles, CA, May 2015.
31. **Li, D.** & Sullivan, W. C. (2015). How Much Green? Measuring Exposure to Green Spaces and Students' Psychological Wellbeing. Paper presented at the 2015 EDRA annual conference, Los Angeles, CA, May 2015.
32. **Li, D.** & Zhou, X. (2015). Realized versus assumed access: Examining high school students' access to urban forest. Oral presentation at the 2015 AAG Annual Meeting, Chicago, IL, April 2015.
33. **Li, D.** & Sullivan, W. C. (2014). School Landscapes and Academic Performance: A Link through Attentional Functioning Uncovered. Paper presented at the 2014 EDRA annual conference, New Orleans, LA, May 2014.

34. **Li, D.**, Zhou, X., Chen C., Ji, W., & Sullivan, W. C. (2014). Examining the Relationship between Access to Tree Canopy Cover and High School Student Performance. Paper presented at the CELA 2014 Annual Conference, Baltimore, MD, March 2014.
35. **Li, D.**, Chang, C., & Sullivan, W. C. (2014). Investigating the effect of window view on students' stress and attention. Paper presented at the Landscape & Human Health Forum, Taipei, Taiwan, June 2014.
36. **Li, D.**, & Zhou, X. (2013). Investigating Children's Play Space in the Context of Rapidly Developing City. Paper presented at the CELA 2013 Annual Conference, Austin, TX, March 2013.
37. Jiang, B., **Li, D.**, Hsieh, C., Chang, C., & Sullivan, W. C. (2013). What We Design and What We Experience: Comparing the Objective and Perceived Measures of Percentage of Tree Canopy. Paper presented at the CELA 2013 Annual Conference in Austin, TX, March 2013.

Conference Poster Presentations

1. **Li, D.** & Sullivan, W. C. (2021). The Associations Between Nature Exposure in Childhood and Sensory Profiles in Adulthood. Poster presented at the 2nd World Conference on Forests for Public Health, Seoul (virtual), October 2021.
2. Ding, Y.* & **Li, D.** (2021). Park characteristics that affect the number of visits before, during, and after the shelter in place order. Poster presented at the CELA 2021 Annual Conference, Virtual, March 2021.
3. Zhu, R.* , Newman, G., & **Li, D.** (2020). "Nearby Nature and Post-traumatic Stress Disorder: Evidence from Hurricane-affected Communities." National Institutes of Environmental Health Sciences Superfund Annual Conference, Virtual, December 2020
4. Lee, C., Park, A.* , Lee, H.* , Bratman, S., Hankey, S., & **Li, D.** (2020). Measuring Urban Green (Infra)structure for Pedestrian Health: Reviews, Evaluations, and Recommendations. Poster presented at the Active Living Conference, Orlando, FL, February 2020.
5. Ding, Y.* , Menotti, T.* , & **Li, D.** (2020). Growing Up in Nature: A Systematic Review on the Mental Health Benefits of Life-Course Nature Exposure. Poster presented at the College of Architecture Research Symposium, College Station, TX, September 2020.
6. **Li, D.**, Suppakittpaisarn, P., Schmillen R., Guragain M., Saeidi-Rizi, F., Jiang X., Flores, C., & Sullivan, W. C. (2016). Seeding Sideyards: Public Resources Enhancing Private Space. Poster presented at the 2016 EDRA Annual Conference, Raleigh, NC, May 2016.

Invited Talks | External

1. Linking Places and Health: The Effects of Nature Exposure on Child Health and Development. Talk at the Department of Architectural and Urban Systems Engineering, Ewha Womens University, Korea, Dec. 16, 2021.
2. Historical Redlining and Intra-Urban Heat-Related Health Disparities. Talk at the Design and Research for Healthy Communities and Healthcare Facilities Conference, University of Connecticut, Storrs, CT, May 17, 2021.
3. **Keynote presentation:** Exposure to Nature and Mental Health: Synthesizing Evidence Using a Life-course Perspective. Talk at the 2020 Healthy Landscape and Smart City International Symposium, Virtual, Oct. 29, 2020.
4. **Keynote presentation:** Activity patterns in green space and psychological benefits for older adults. Talk at the Symposium on Theories and Applications of National Landscapes and Health, Taipei City, Taiwan, Sept. 29, 2019.

5. **Keynote presentation:** The Nature Deficit Disorder in Our Health, Learning, and Economy. Talk at the Trees Forever: Our Woodland Legacy Symposium, Cedar Rapids, IA, Dec. 12, 2018.
6. Bottom-up methods in examining environmental health: From individual behavior tracking to urban mood mapping. Talk at the Department of Urban Planning, College of Architecture and Urban Planning, Tongji University, Shanghai, China, Sept. 26, 2017.
7. The Built Environment and Human Health: Integrating Multiple Perspectives. Talk at the Center for Urban Ecology and Sustainability, Suffolk University, Boston, MA, Feb. 17, 2017.
8. Grassroots mapping and crowdsourcing: examining the experiential quality of urban space. Talk at GIS Day, Ball State University, Muncie, IN, Nov. 16, 2016.
9. Access to Nature and Psychological Health: The Geography of Children. Talk at the School of Environmental and Forest Sciences, University of Washington, Seattle, WA, April 13, 2016.

Invited Talks | Internal

1. Useful Tools and Software Packages. Talk given for URSC 682 Seminar, Texas A&M University, Instructor: Ken Hurst, October 25, 2022.
2. Evidence-based Planning and Design Projects. Talk given for LAND 681 Seminar, Texas A&M University, Instructor: Bruce Dvorak, March 08, 2022.
3. Software packages used for qualitative and quantitative research. Talk given for URSC 682 Seminar, Texas A&M University, Instructor: Ken Hurst, September 20, 2021.
4. Climate Injustice: The Legacy of Redlining and Heat-Related Illness in Texas Cities. Talk at the Microclimate Design Research Group Spring Seminar, Feb. 09, 2021.
5. Quality of Neighborhood Green Space and Post-Hurricane Mental Distress. Talk at the Microclimate Design Research Group Fall Seminar, Oct. 27, 2020.
6. A New Paradigm for Design Research and Research as Design. Talk given for LAND 431/646 Landscape Architecture Professional Practice, Instructor: Jane Winslow, April 13, 2020.
7. Linking mental health and place: the effects of urban nature. Talk given to the Social Psychology Area, Brown Dog, Department of Psychological and Brain Sciences, Jan. 24, 2020.
8. Psychological and Behavioral Factors in Planning and Design. Talk given for URPN 361 Urban Issues, Texas A&M University, Instructor: Minjie Xu, Oct. 24, 2019.
9. Environmental Psychology – The Fundamentals for Design. Talk given for LAND101 Introduction to Landscape Architectural Practice, Texas A&M University, Instructor: Chanam Lee, Oct. 04, 2019.
10. Introduction to Rhino and NURBS Modeling. Workshop for LAND 412 Landscape Design VI, Instructor: Chanam Lee, March 25, 2019.
11. Research as Practice: New Perspectives in Integrating Evidence and Design. Talk given for LAND 431/646 Landscape Architecture Professional Practice, Instructor: Jane Winslow, April 15, 2019.
12. The image of the city: Mapping and analyzing human experience using social media data. Talk at GIS Day, Texas A&M University, Nov. 13, 2018.

13. Fundamentals in design and mental health. Talk given for URPN 471 Planning Healthier Communities, Texas A&M University, Instructor: Jane Winslow, Oct. 08, 2018.

14. Evidence-based Planning and Design Projects. Talk given for LAND 681 Seminar, Texas A&M University, Instructor: Jon Rodiek, March 02, 2018.

SELECTED MEDIA COVERAGE OF RESEARCH

“Nature as a Salve for Children With Autism,” by Richard Schiffman, The New York Times, July 2021. Available at: <https://www.nytimes.com/2021/07/15/well/family/nature-autism-children.html>

“This Is Your Brain on Nature,” by Jared Green, THE DIRT¹, Nov. 01, 2018. Available at: <https://dirt.asla.org/2018/11/01/this-is-your-brain-on-green-access-to-nature-improves-our-health/>
¹THE DIRT is the weekly newsletter of the American Society of Landscape Architects, the nation's largest professional association of landscape architects.

“New Study: Students Learn Better with Views of Trees,” by Jared Green, The Huffington Post, Feb. 03, 2016. Available at: http://www.huffingtonpost.com/jared-green/new-study-students-learn-_b_9143290.html

“A green view through a classroom window can improve students’ performance,” ScienceDaily, Jan. 22, 2016. Available at: <https://www.sciencedaily.com/releases/2016/01/160122170932.htm>.

“New Research: Students Learn Better in Classrooms with Views of Trees,” by Jared Green, THE DIRT, Jan. 22, 2016. Available at: <https://dirt.asla.org/2016/02/01/new-study-students-learn-better-in-classrooms-with-views-of-trees/>.

“What Dose of Nature Do We Need to Feel Better?” by Jared Green, THE DIRT, June 03, 2015. Available at: <http://dirt.asla.org/2015/06/03/what-dose-of-nature-do-we-need-to-feel-better/>.

“Nature Is But Another Name for Health.” by Jared Green, THE DIRT, June 04, 2014. Available at: <http://dirt.asla.org/2014/06/04/nature-is-but-another-name-for-health/>.

FUNDING HISTORY

Funded External Grants

2022 **Li, D.** (PI), Newman, G. (Co-PI), Davis, D. (Co-PI), Mathur, V. (Co-PI), Gordon, J. (Co-PI). *National Academy of Sciences, Engineering, and Medicine (2000013443)*. “Nature-based therapy: A socioecological and RE-AIM approach to treating disaster-related PTSD in flood-vulnerable communities”; \$448,879 (06/2022-05/2025).

- This project investigates environmental exposure and justice in flood-vulnerable communities and utilizes a RE-AIM approach to develop and test the effectiveness of a nature-based therapy intervention to mitigate PTSD and mental distress in flood-prone communities.
- Individual role: Project lead and responsible for conceptualization, study design, data collection, curation, analysis, and article writing.

- 2022 Meyer, M. (PI), Li, D. (Co-PI), Newman, G. (Co-PI), Rosenheim, N. (Co-PI), Sansom, G. (Co-PI). *US Department of Energy*. Southeast Texas Urban IFL: Equitable solutions for communities caught between floods and air pollution”; \$2,264,133 (09/2022-08/2027).
- This multi-institutional project investigates the processes need to be captured in regional scale hydrological and atmospheric models and understand the linkages between and within natural, built, and social systems in urbanized regions in the Beaumont-Port Arthur area to inform adaptation strategies.
 - Individual role: In charge of health-related assessment of the Equity Theme.
- 2022 Iyanda, A. (PI), Ye, X. (Co-PI), **Li, D.** (Co-PI), Salami, T (Co-PI), Huang, X. (Co-PI). *Centers for Medicare & Medicaid Services*. “Investigating the Combined Impact of Spatial Social Networks and Environmental Exposure on Minority Youths’ Mental Health”; \$333,020 (10/2022-10/2024)
- This proposal contributes to the national goal of addressing health disparity with a particular focus on minority youth mental health. This project aims to understand the individual, community, and environmental factors that impact racial/ethnic minority mental health symptoms by investigating the combined impact of spatial social networks and environmental exposure.
 - Individual role: Spatial social network and environmental exposure assessment; survey development.
- 2022 Rusyn, I. (PI), Chiu, W. (PI), Newman, G. (PI), ... **Li, D.** (Co-I)... *National Institutes of Environmental Health Sciences*. “Comprehensive tools and models for addressing exposure to mixtures during environmental emergency-related contamination events”; \$13,016,688 (04/2022-03/2027).
- This center aims to develop, apply, and translate a comprehensive set of tools and models that will aid in mitigating the human health consequences of exposure to hazardous mixtures during environmental emergency-related contamination events.
 - Individual role: Co-leads the Risk and Geospatial Sciences Core and responsible for geospatial data integration and environmental risk assessment.
- 2022 Cheng, W. (PI), Zhang, Z. (Co-PI), **Li, D.** (Co-PI), Yang, A. (Co-PI), Cai, C. (Co-PI). *National Aeronautics and Space Administration (21-EEJ21-0044)*. “A spatial decision support system for identifying heat vulnerability based on a comprehensive energy budget model and multi-criteria decision analysis in Oklahoma City, OK”; \$149,163 (9/2022-02/2024).
- This project aims to develop an innovative heat risk characterization method by integrating multi-dimensions of heat vulnerable indicators to reveal heat vulnerable population and locations in Oklahoma city, and a spatial decision support system to support policymaking related to heat mitigation among different stakeholders.
 - Individual role: Assist with spatial data analysis and community-based co-design process.

- 2022 Suppakittpaisarn, P. (PI), Rinchumphu, R. (Co-PI), Chang, C-Y. (Co-PI), Chang, P.(Co-PI), **Li, D.** (Co-PI), Surinseng, V. (Co-PI), Yaipimol, E. (Co-PI). *The National Research Council of Thailand Researchers*. The Relationships between Nearby Nature and the Urban Aging Society across Countries. ฿1,301,300 (\$38,581). (03/2022-03/2025).
- This cross-cultural research investigates the environmental determinants of healthy aging in three countries, especially the roles played by green infrastructure.
 - Individual role: Lead of the US team and is responsible for data collection and cross-cultural data modeling.
- 2022 Wu, J. (PI), Li, X. (Co-PI), **Li, D.** (Senior Personnel), Turner, S. (Senior Personnel), Li, T. (Senior Personnel). Leveraging Probe-Based Data to Enhance Long-Term Planning Models. Texas Department of Transportation. \$176,210 (04/2022-03/2027– currently under contract negotiation).
- This project examines how probe-based and location-based data may be leveraged to facilitate the validation and calibration of existing planning models, enhance existing modeling tools, and incorporate advanced modeling techniques.
 - Individual role: In charge of linking trajectory-based data with pedestrian environment planning
- 2022 Newman, G. (PI), **Li, D.** (Co-PI). *Landscape Architecture Foundation*. “Case Study Investigation: Houston Arboretum and Nature Center”; \$5,600 (03/2022 to 08/2022).
- This project will develop metrics to quantify the environmental, social, and economic benefits of green infrastructure elements used in the Houston Arboretum and Nature Center. All PIs will contribute to the study and report writing.
 - Individual role: Lead the social benefits assessment.
- 2021 **Li, D.** (PI). *The National Academies of Sciences, Engineering, and Medicine*. “Gulf Research Program Early-Career Research Fellowship, Health and Community Resilience track”; \$76,000 (06/2021-05/2023).
- This fellowship supports three interconnected research projects related to the community-level health and well-being of vulnerable residents in Gulf communities experiencing climate-related stressors.
 - Individual role: Lead all three projects and be responsible for conceptualization, study design, data collection, curation, analysis, and article writing.
- 2021 **Li, D.** (PI), Brown, R. (Co-PI), Xu, Y. (Co-PI). Quick Response Research Award Program, *National Science Foundation funds through the Natural Hazards Center*. “From Heat Mitigation to Integrated Thermal Stress Mitigation: Assessing Community Infrastructure and Adaptive Capacities against Extreme Heat and Cold Conditions in Subsidized Housing Neighborhoods”; \$4,918 (03/2021-10/2021).
- This project investigated the physical and social infrastructure in subsidized housing neighborhoods with respect to winter storm impacts and mitigation. All PIs contributed to study design and article writing.

Individual role: Developed the survey and interview protocol, led the data collection process, trained the research team, and prepared and analyzed the data.

2020 **Li, D.** (PI), Cheng, W. (Co-PI), Xu, Y. (Co-PI), Brown, R. (Co-PI), Sullivan, W. C. (Co-PI). *Houston Methodist Hospital & The Center for Health & Nature*. "Nature-Based Climatic Responsive Community Planning and Design: Promoting Thermal Health Under Future Climate Predictions"; \$25,000 (07/2020-06/2023).

- This project will develop dose-response relationships between neighborhood nature typology and micrometeorological conditions and human health stress under current and future climate. All PIs contributed to study design.
- Individual role: Project lead and responsible for conceptualization, study design, data collection, curation, analysis, and article writing.

2020 Cooper, J. (PI), **Li, D.** (Co-PI). *Conceptual Designs for the Nueces River Park in Real County, Texas*. *H. E. Butt Foundation*; \$5,995 (06/2020-08/2020).

- This project developed a master plan for a riverfront community park in Real County, Texas.
- Individual role: Oversaw the student service-learning process and plan development.

2015 **Li, D.** (PI). Robert Ferber Dissertation Grant. Survey Research Laboratory, University of Illinois at Chicago. "Access to Nature and Adolescents' Psychological Well-Being." \$2,000; (10/2015-12/2016).

- This cross-sectional study investigated youths' daily activity space, exposure to nature, and psychological states.
- Individual Role: In charge of the study design and implementation.

Submitted External Funding Proposals

2022 **Li, D.** (PI), Brown, R. (Co-I), Maddock, J. (Co-I), Lee, C. (Co-I), Sang, H. (Co-I), Sullivan, W. C. (Co-I). *National Institutes of Health*. "R01: Heat-Related Health Risk Assessment and Mitigation for Aging Populations in Public Housing: A Community-Individual Environment-Health Nexus"; \$2,746,876 (11/2022-10/2027).

Internal Grants

2021 Yu, S. (PI), **Li, D.** (Co-PI), Gatson, S. (Co-PI), Brown, R. (Co-PI). *Global Engagement Grant*. "Planning for Extreme Heat: Applying a Plan Integration for Resilience Scorecard to Evaluate Urban Heat Vulnerability in Tokyo, Japan"; \$49,902 (2021-2024).

2021 Cai, H. (Project Lead), **Li, D.** (Project Lead), Fossett, M. (Project Lead), Ji, S. (Project Lead). *Texas A&M Innovation [X] Program*. "Restoring happiness: Leveraging GeoAI and Social Engagement to Address Happiness Inequalities Post Covid and Winter Storm Uri"; \$20,000 (2021-2023).

- 2021 Patterson, M. (PI), **Li, D.** (Co-PI), Brown, R. (Co-PI). *T3 - Triads for Transformation Grant*. "Outdoor Environments that Optimize Children's Health and Well-Being: A Multimethod Study"; \$30,000 (2021-2023).
- 2021 **Li, D.** (PI), Lee, S. (PI), Wang, J. (Co-PI). *AVPA Curricular Arts Enhancement Grant, Texas A&M Academy for the Visual & Performing Arts*. "Equigenic Playground Design as Pandemic Relief: Co-Creating Safe and Adaptive Spaces in a Multiethnic Neighborhood"; \$7,400 (2021-2022).
- 2020 **Li, D.** (PI), Lee, C. (PI), Zou, L. (Co-PI), Patterson, M. (Co-PI). *Texas A&M Center for Health Systems and Design*. "Aging In [Physical + Social] Place: A Coupled Environment-Activity Network and Social Network Analysis"; \$20,000 (2020-2021).
- 2020 **Li, D.** (PI). *AVPA Curricular Arts Enhancement Grant, Texas A&M Academy for the Visual & Performing Arts*. "Cultural Empowerment and Social Justice by Design: A Pedagogical Experiment to Move Beyond Physical Environmental Modification in Studios"; \$7,500 (2020-2021).
- 2019 **Li, D.** (PI); Newman, G. (Co-PI), Behzadan, A. (Co-PI), Sueda, S. (Co-PI), Petersenn, T. (Co-PI). *Texas A&M 2019 Global Engagement Grants*. "A⁵: The Augmented Atlas for Architecture and Landscape Architecture Abroad"; \$60,000 (2019-2022).
- 2019 Newman G. (PI), **Li, D.** (Co-PI). *National Institute for Environmental Health Sciences funds through the Texas A&M Superfund Center*. "Environmental Exposure and Psychological Well-Being of Hurricane-Impacted Communities"; \$10,000 (2019-2020).
- 2019 Zou, L. (Project Lead), **Li, D.** (Project Lead). *Texas A&M Innovation [X] Program*. "Integrated Disaster Citizen Science, Education and Engagement: A Customized Resilience Inference Measurement (CRIM) Framework"; \$20,000 (2019-2020).
- 2014 **Li, D.** (PI). *George and Dorothy Fiel Scholarship, University of Illinois at Urbana-Champaign*. "Tactical Urbanism: Small Temporary Urban Inventions and the Health Implications"; \$5,000 (2014-2016).
- 2013 **Li, D.** (PI), Sullivan, W. C. (Co-PI). *Wadsworth Research Award, University of Illinois at Urbana-Champaign*. "High School Landscapes and Students' Cognitive Performance"; \$5,025 (2013-2014).

Scholarships

- 2014-2016 \$350 per year: Graduate Student Travel Scholarship, Graduate College University of Illinois at Urbana-Champaign
- 2011-2014 \$25,000 per year: Illinois Distinguished Fellowship, Graduate College, University of Illinois at Urbana-Champaign
- 2008-2010 \$900 per year: Tongji Excellent Graduate Student Scholarship to Students Demonstrating Academic Success, Tongji University
- 2004-2008 \$400 per year: Tongji Excellent Undergraduate Student Scholarship, Tongji University

Other Funded Research Activities

2019-present	<p>Researcher, Texas A&M University</p> <p>Funded project: Lee, C., Hankey, S., Bratman, G., Brown, R., Fan, Y., Hystad, P., James, P., & Xu, J. <i>Houston Methodist Hospital & The Center for Health & Nature</i>. "Urban Green (Infra)structure for Pedestrian Health"; \$25,000 (2019-2021).</p>
2014-2016	<p>Researcher, National Center for Supercomputing Applications Brown Dog, University of Illinois at Urbana-Champaign</p> <p>Funded project: McHenry, K., Dietze, M., Kumar, P., Lee, J.S., & Minsker, B.S. (2013). <i>National Science Foundation</i>. "Data Infrastructure Building Blocks"; \$10,500,000 (2012-2017).</p>
2012-2016	<p>Researcher, Sustainability and Human Health Lab, University of Illinois at Urbana-Champaign</p> <p>Funded project: Sullivan, W. C. (2012). <i>USDA Forest Service</i>. "Nature at School"; \$40,000 (2011-2016).</p>
2011-2013	<p>Research Assistant, Sustainability and Human Health Lab, University of Illinois at Urbana-Champaign</p> <p>Funded project: Sullivan, W. C., Jiang, B., & Buchner, D. (2012). <i>National Urban and Community Forestry Advisory Council, USDA Forest Service</i>. "A Dose of Urban Forest"; \$281,524 (2011-2016).</p>

Other Awards/Recognition

2020	2020 EDRA CORE – Certificate of Research Excellence. Galen Newman, Rui Zhu, Dingding Ren, Dongying Li , Jennifer Horney, Katie Kirsch, Garrett Sansom, Charles X. White, for "Resilience through Regeneration: The Economics of Repurposing Vacant Land with Green Infrastructure."
2016	2016 ASLA Student Honor Award. Carlos Flores, Dongying Li , Fatemeh Saeidi-Rizi, Mamata Guragain, Pongsakorr Suppakittpaisarn, Xiangrong Jiang, for "Seeding Sideyards."
2015	Award of Excellence. The Department of Landscape Architecture, University of Illinois at Urbana-Champaign.
2013	Award of Excellence. The Department of Landscape Architecture, University of Illinois at Urbana-Champaign.
2011	Graduate Student Excellence Award, Tongji University, Shanghai.

TEACHING

Courses Taught

2018-present

Assistant Professor, Texas A&M University

1. LAND 101 Introduction to Landscape Architecture Practice

Undergraduate introductory course to the field of landscape architecture for freshmen/sophomores majoring in landscape architecture or urban planning, as well as upper class students who are non-LA majors. This class explores and evaluates the diversity of landscape architectural practice; defines the traditional practice forms and examines evolving and boundary-expanding opportunities for future practice; and introduces the departmental curriculum and faculty. This class has long been taught in our department. I have restructured the course to include five main modules, each discussing a pressing societal challenge related to the LA profession. I have invited academics and design and planning professionals to give guest lectures. I have also developed reading and assignments that complement the content of the guest lectures to encourage critical thinking and independent research.

- 2019 Spring
- 2020 Spring
- 2021 Spring

2. LAND 311 Landscape Design III

Design studio that focuses on large-scale planning and multi-scale approaches. This class emphasizes the design process, sustainable landscape design, synthesis, and design refinement; problems to stimulate highly creative self-motivated results; and design thinking to integrate behavioral settings into natural and/or built landscape systems. This class has long been taught in our department. I have created new modules based on current practices of GeoDesign and parametric design approaches, utilized new service-learning projects for students to work with communities in need, and introduced virtual community engagement methods in response to field trip-related restrictions during COVID-19.

- 2018 Fall
- 2019 Fall
- 2020 Fall
- 2021 Fall
- 2022 Fall

3. LAND 312 Landscape Design IV

Design studio that focuses on urban and community design. This class emphasizes land design projects of increased complexity and stresses sustainability, with site scale project to demonstrate complete design thinking. This class has long been taught in our department. I have created new modules that support community-level site suitability assessment, master-planned community spatial development, and design for health and well-being.

- 2018 Spring

4. LAND 602 Landscape Architecture Design Theory and Application & URPN 493 Urban and Regional Studies Capstone

Vertical, interdisciplinary studio that focuses on planning natural features and on practical issues including social, political, technological, and economic influences on large-scale design. This class has long been taught in our department. I have created new evidence-based problem identification assignments that allow students to raise questions concerning environmental, social, and political issues and find their answers using geospatial datasets. In addition to applying the principles and techniques of GeoDesign, I have also incorporated current digital modeling software packages such as ESRI CityEngine for procedural modeling and parametrization.

- 2019 Spring
- 2020 Spring
- 2021 Spring

5. USRC 689-602 Survey Research Methods

I developed this new Ph.D.-level methods course, which focuses on the Total Design Method in survey research, survey sampling, questionnaire writing, scale development, data collection and curation, and methods of analysis. I have incorporated lectures, small group discussions, survey critiques, and pretest sessions, and employ multimedia in the class to aid student understanding of important issues in survey design. The class is project-based, and each student develops a full survey research proposal with instrument, recruitment materials, and data coding sheet.

- 2021 Fall

2016-2017 **Visiting Assistant Professor**, Ball State University
 Spring 2017 LA 480/598 Advanced Digital Representation in LA
 Spring 2017 LA 211 Site Engineering I
 Spring 2017 PLAN 412/512 Introduction to Geographic Information Systems for Urban Planning
 Fall 2016 LA 401 Regional Planning and Design Studio
 Fall 2016 LA 280 Computer Applications

2015 **Instructor**, University of Illinois at Urbana-Champaign
 Fall 2015 LA 590 Research Method (Co-instructor under Dr. Sullivan)
 Fall 2015 ArcGIS Workshop Series
 Spring 2015 LA 270 Behavioral Factors in Design

2013-2016 **Teaching Assistant**, University of Illinois at Urbana-Champaign
 Spring 2016 LA281 Design Communication
 Fall 2015 LA 537 Landscape Planning and Design Studio
 Fall 2013 LA 370 Environmental Sustainability
 Spring 2013 LA 270 Behavioral Factors in Design

Graduate Student Committee

Master's students

Student	University	Degree	Final Project/Thesis/ Dissertation Title	Grad. Date	Role	Active
Yu-Ching Shen	Texas A&M University	MLA	TBD	05/2023	Committee Member	Y

AbimbolaOlorode	Texas A&M University	MLA	Nurture with Nature: Alief Neighborhood Green Infrastructure Improvement Plan and the Design of an Outdoor Learning Environment for the Alief Early Childhood Center	05/2022	Chair	N
Jingxi Peng	Texas A&M University	MLA	Combating Flooding in the Montrose Neighborhood Using Green Infrastructure	05/2022	Committee member	N
Tianyi Wang	Texas A&M University	MLA	Adaptive Storm Box: Flexible Green Infrastructure Assembly Units for Galena Park	05/2022	Committee member	N
Xiaoyu Li	Texas A&M University	MLA	Microclimate Landscape Design Based on the CFD Model: Freeway Deck Park Design in El Paso, TX	05/2022	Committee member	N
Yue Zhang	Texas A&M University	MLA	Gulfton Neighborhood and Benavidez Elementary School Design: Health-Promoting Interventions in a Culturally Diverse Community	05/2021	Chair	N
Shu Sun	Texas A&M University	MLA	The Mixed-Use Intergenerational Living Community in Mueller, Austin	05/2021	Committee member	N
Junzhu Liang	Texas A&M University	MLA	Addressing Nature Deficit Disorder: Outdoor Learning Space Design that Connects Schools, Communities, and Nature	05/2020	Chair	N
Jiawei Ling	Texas A&M University	MLA	Out There: Thermally Comfortable and Inclusive Outdoor Space Design for the Homeless	05/2020	Chair	N
Yuqing Wang	Texas A&M University	MLA	Natural Outdoor Learning Environment Design	05/2020	Chair	N
Jiali Liu	Texas A&M University	MLA	Tenacity - Integrating Sea Level Rise and Urban Growth Prediction Modelling in Design Scenarios in Tampa, FL	05/2020	Co-Chair	N
Karishma Joshi	Texas A&M University	MLA	Tenacity - Integrating Sea Level Rise and Urban Growth Prediction Modelling in Design Scenarios in Tampa, FL	05/2020	Co-Chair	N
Yuanjia Yang	Texas A&M University	MLA	Laputa: A Long Term Space Habitat	05/2020	Committee member	N

Shiyang Shen	Texas A&M University	MLA	Microclimate Park Design	05/2020	Committee member	N
Danqing Liao	Texas A&M University	MLA	Social Media for Emergency Rescue: An Analysis of Request on Twitter During Hurricane Harvey	05/2020	Committee member	N
Yinghui Chen	Texas A&M University	MLA	Logistics Landscape: A Design Framework for A Sustainable Food System	05/2019	Chair	N
Shen-Yu Hu	Texas A&M University	MLA	Re-envisioning the Human-water Dynamics: Design for an At-risk Neighborhood – Manchester, TX	05/2019	Chair	N
Seul Ki Hong	Texas A&M University	MA	A Library Design for Stress Reduction	05/2019	Committee member	N
Jeongseup Lee	Texas A&M University	MUP	Accessibility to Greenway and its Socio-demographic Factors	12/2018	Chair	N
Brian Lowalski	Ball State University	MLA	Healthy People, Healthy Ecosystems: A Small Park's Role in Riparian Appreciation	05/2017	Faculty advisor	N

Bachelor's students

Student	University	Degree	Final Project/Thesis/ Dissertation Title	Grad. Date	Role	Active
Shangli Jiang	Ball State University	BLA	Dynamic Riverfront Plaza Development in an Historical Urban Area	05/2017	Faculty advisor	N

Doctoral students

Student	University	Degree	Dissertation Title	Grad. Date	Role	Active
Bradley Anderson	Texas A&M University	PhD	TBD	TBD	Co-Mentor (Degree plan not yet submitted)	Y
Xiaoyu Li	Texas A&M University	PhD	TBD	TBD	Co-Mentor (Degree plan not yet submitted)	Y
Yue Zhang	Texas A&M University	PhD	TBD	TBD	Mentor (Degree plan not yet submitted)	Y
Chia-Ching Wu	University of Illinois at Urbana-Champaign	PhD	TBD	TBD	Committee member	Y

Dingding Ren	Texas A&M University	PhD	TBD	TBD	Committee member	Y
Yizhen Ding	Texas A&M University	PhD	Children’s Environmental Exposure and Microbiota	05/2024	Chair	Y
Rui Zhu	Texas A&M University	PhD	The Spatial Relationship between Long-Term Vacant Housing and Non-Communicable Diseases in US Shrinking and Growing Metropolitan Areas	05/2023	Committee member	Y
Xi Chen	Texas A&M University	PhD	The Role of Neighborhood Environments in Supporting the Cognitive Health of Community-dwelling Older Adults	05/2023	Committee member	Y
Amaryllis Park	Texas A&M University	PhD	Planning for Child-Friendly Community: The Built and Natural Environment and Children’s Mobility and Health	12/2022	Committee member	Y
Se Woong Kim	Texas A&M University	PhD	Exploring the Effects of Physical Form on Urban Heat Island Variation	05/2022	Committee member	N
Kanghyun Lee	Texas A&M University	PhD	Urban Landscape Design for Improving Thermal Environment and Protecting Human Health	05/2021	Committee member	N

Students’ Awards

- 2022 National ASLA Student Award [Honor Award in Research Category]. Awarded to Xiaoyu Li and Jingxi Peng for “Thermalscape Tactics – Solutions in Response to Ubiquitous Heat Threat in El Paso”. Students from Texas A&M University.
- 2022 TXASLA 2022 Student Design Awards [Award of Excellence]. Awarded to Kaylin Slaughter, Macy McGlamery, Camryn Galvan, and Kyra Chandler for “Healing Houston”. Students from Texas A&M University.
- 2022 Department of Landscape Architecture Best MLA Final Study Award and Best Design Communication Award. Awarded to Abimbola Olorode for “Nurture with Nature”. Student from Texas A&M University.
- 2022 Department of Landscape Architecture Final Study: Best Analysis and Evidence-based Design Award. Awarded to Tianyi Wang for “Pipe Dream”. Student from Texas A&M University.
- 2021 TXASLA 2021 Student Design Awards [Award of Excellence]. Awarded to Yue Zhang for “SERAPE.” Students from Texas A&M University.

- 2021 TXASLA 2021 Student Design Awards [Honor Award]. Awarded to Ashley Hodde, Justin Carver, Camaryn Coogler, Joelle Sanders, and Shelby Horton for “Green Armor.” Students from Texas A&M University.
- 2020 TXASLA 2020 Student Design Awards [Award of Excellence]. Awarded to Wuqi Lyu, Yue Zhang, Julio Villalobos-Torres, Aubrey Hemphill, and Dacota Fernandez for “Revitalize Rescue: Addressing Vacancy with Smart Decline Techniques.” Students from Texas A&M University.
- 2020 TXASLA 2020 Student Design Awards [Honor Award]. Awarded to Leslie Kippes, Riley Nystrom, Alex Pittman, and Katie Urdiales for “Rejuvenate, Rehabilitate, and Revive: Preserving Small Town Ecology.” Students from Texas A&M University.
- 2020 TXASLA 2020 Student Design Awards [Merit Award]. Awarded to Stephanie Morris, Sarah Albosta, Kurtis Bradicich, Callie Whitbeck, and Hope Brice for “WellMatrix: Planning Healthy Communities in Rural Texas.” Students from Texas A&M University.
- 2020 Department of Landscape Architecture Best Analysis and Evidence-Based Design Award. Awarded to Jiawei Ling for “Out There: Thermally Comfortable and Inclusive Outdoor Space Design for the Homeless”. Student from Texas A&M University.
- 2019 Academy Best Paper Award, American Academy for Park & Recreation. Awarded to Jeongseup Lee for “Examining varying levels of accessibility to greenways based on socio-demographic characteristics.” Students from Texas A&M University.
- 2019 Student Merit Award, The Pennsylvania Chapter of the American Planning Association. Awarded to Aubrey Hemphill, Yue Zhang, Wuqi Lyu, Dacota Fernandez, and Villalobos-Torres for “Johnstown: Addressing the Consequences of Depopulation with Smart Decline Techniques.” Students from Texas A&M University.
- 2019 TXASLA 2019 Student Design Awards. [Award of Excellence]. Awarded to Thu Bai for “Serenity Crossing.” Students from Texas A&M University.
- 2017 INASLA 2017 Student Design Awards. [Honor Award in Design Works]. Awarded to Shangli Jiang for “Dynamic Riverfront Plaza Development.” Students from Ball State University.
- 2016 Ball State GIS Day Poster Winner, 2nd place. Awarded to Conner Manion, David Baker, Emily Meer, and Jose Ramirez for “Indiana Dunes National Lakeshore Regional Trail.” Students from Ball State University.
- 2016 Ball State GIS Day Poster Winner, 3rd place. Awarded to Alyssa Babb, Jeremy Jacques, Ashlee Mcquarters, Spence, and Evelyn Verde for “Socioeconomic Analysis of ‘The Region’.” Students from Ball State University.
- 2015 ILASLA 2015 Student Design Awards [Merit Award]. Awarded to Yini Chen and Yiliang Zhang for “Memorial to Mining: A Danville Story.” Students from University of Illinois at Urbana-Champaign.
- 2015 ILASLA 2015 Student Design Awards [Honor Award]. Awarded to Haoyang Li, Yaxuan Shi, Yiqi Deng, Suke Yao, Yiliang Zhang, and Yun Huang for “Movement: Revitalizing Danville Downtown and Reclaiming the Vermilion Riverfront.” Students from University of Illinois at Urbana-Champaign.

Teaching Award

2022 Texas A&M Montague-Center for Teaching Excellence Award (Awarded every year to one tenure-track faculty from each college at Texas A&M University).

Teaching Improvement Activities

02/2022 Certificate in Multicultural Mentoring. Session 1. Bridging Differences for Better Mentoring. University of Florida and the International Mentoring Association.

03/2022 Certificate in Multicultural Mentoring. Session 2. Why Mentoring Matters for Diversity, Equity and Inclusion: Moving from Research to Practice. University of Florida and the International Mentoring Association.

03/2022 Certificate in Multicultural Mentoring. Session 3. Equity Based Mentorship and Supporting Early Career Scholars of Color. University of Florida and the International Mentoring Association.

01/2021 Canvas Training and Tutorials. LinkedIn Learning.

01/2021 How to Navigate Issues of Bias in Student Course Evaluations. Texas A&M University.

10/2020 Exploring Inclusive Teaching in Large Classes. Texas A&M University.

02/2020 Expansion of ADVANCE to Understand and Improve Campus Climate for All Faculty. Texas A&M University.

01/2019 eCampus training courses: modules on creating an engaging introduction, eCampus Open Lab, Quality Matters Rubric (APPQMR), Grade Center, and other topics. Texas A&M University.

04/2019 Transformational Teaching and Learning Conference. Texas A&M University.

09/2019 Faculty Conversation Cafe: "A Compelling Case for Diversity." Texas A&M University.

10/2019 Faculty Conversation Cafe: "Engaging Today's Students." Texas A&M University.

SERVICE

Editorial Service

Editorial board

2018-present **Editorial board member**, *Environment and Behavior* (2018-present)
(Impact factor: 6.222)

2021-present **Review editor & editorial board member**, *Frontiers in Psychology*
(Impact factor: 2.990)

2021-present **Executive editorial board member**, *Landscape Architecture Frontiers*
(Impact factor: N/A)

Reviewer Ad-hoc

Applied Geography
Cities
Environment and Behavior
Environment and Planning B
Frontiers in Psychiatry
Frontiers in Psychology
Frontiers in Public Health
Geo-Spatial Information Science
Health and Place
International Journal of Developmental Disabilities
International Journal of Environmental Research and Public Health
International Journal of health Geographies
Journal of Construction Engineering and Management
Journal of Environmental Health
Journal of Environmental Planning and Management
Journal of Environment Psychology
Journal of Leisure Research
Journal of Planning Education and Research
Journal of Urban Health
Landscape and Ecological Engineering
Landscape and Urban Planning
Landscape Architecture Frontiers
Landscape Journal
Research in Developmental Disabilities
SAGE Open
Science of the Total Environment
Social Science and medicine
Socio-Ecological Practice Research
SSM-Population Health
Sustainability
Urban Forestry and Urban Greening

Conference Committees and Reviews

2020-present

Conference Committee Member, International Geodesign Collaboration

2018-present	Co-Chair, Landscape Planning and Ecology Track, Council of Educators in Landscape Architecture (CELA)
2013-present	Reviewer for Council of Educators in Landscape Architecture (CELA) annual conferences
2018-2021	Member of the Scientific Committee and Chair of the Urban Forestry and Green Space Planning Track, World Conference on Forests for Public Health, Athens, Greece, May 2019
2014-2016	Reviewer for the Environmental Design Research Association (EDRA)
2010	Student Organizer, International Foundation of Landscape Architecture (IFLA) Student Charrette, Nanjing, China
2005	Student Organizer, 1st International Landscape Studies Education Symposium, Shanghai, China

Grant Proposal Review

2020	Reviewer of proposals considered for the Wiener Wissenschafts-, Forschungs- und Technologiefonds (Vienna Science and Technology Fund)
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Department- and College-level Service

2022-present	Co-Chair, Landscape Architecture Faculty Search Committee
2018-present	Landscape Architecture Committee, Department of Landscape Architecture and Urban Planning, Texas A&M University
2019-2022	Curriculum Technology Committee, Department of Landscape Architecture and Urban Planning, Texas A&M University
2020	College of Architecture Research Symposium Committee, Texas A&M University
2019-2020	LAUP Faculty Search Committee, Department of Landscape Architecture and Urban Planning, Texas A&M University
2019	LAND Studio Curriculum Review Task Force, Texas A&M University
2016-2017	Undergraduate Curriculum Committee, Department of Landscape Architecture, Ball State University
2016	IT Committee, Department of Landscape Architecture, Ball State University
2014-2015	Student Advisory Committee, Department of Landscape Architecture, University of Illinois at Urbana-Champaign
2014	Department Head Search Committee, Department of Landscape Architecture, University of Illinois at Urbana-Champaign
2013	Assistant Professor Search Committee, Department of Landscape Architecture, University of Illinois at Urbana-Champaign

University-level Service

2019-2022 Proposal Selection Committee, The Innovation [X] Program, School of Innovation, Texas A&M University

Community Service

2021-2022 Designer and instructor of service-learning project "Alief Neighborhood Green Infrastructure Improvement Plan and Early Childhood Center Outdoor Design," Houston, TX

2020-2021 Instructor of service-learning studio "Flood Mitigation and Toxic Remediation for Galena Park," Galena Park, TX

2019-2021 Designer and instructor of service-learning project "Gulfton Neighborhood Green Infrastructure Plan and Benavidez Elementary School Green Campus Design," Houston, TX

2020 Instructor of service-learning studio "Tampa City Revitalization Planning," Tampa, FL

2020 Designer and instructor of service-learning project "Nueces River Recreation and Ecological Restoration Project," Real County, TX

2019 Instructor of service-learning studio "City of Montgomery Regeneration Design and Parks Plan," Montgomery, TX

2019 Instructor of service-learning studio "Johnstown Revitalization through Interdisciplinary Design and Development," Johnstown, PA

2018-2019 Instructor of service-learning project "Living with Water: A GeoDesign Approach to Environmental and Social Resilience," Houston, TX

2018 Instructor of service-learning studio "Future Proof Houston," Houston, TX

2015-2016 External Mentor, State and National Future City Competition, Champaign Middle School, IL

2010-2012 Member, Sustainable Community Development Mission Board, Shanghai

2008-2009 Member, Survey Initiative for the Historical and Cultural Preserving District Inventory, Shanghai