

**Jessica Ann Diehl\*, PhD**  
Curriculum Vitae

National University of Singapore  
Department of Architecture  
4 Architecture Drive  
Singapore 117566 Singapore  
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E-mail: akijac@nus.edu.sg

**CURRENT POSITION**

Assistant Professor 2016-present	Master of Landscape Architecture Programme, Department of Architecture, College of Design and Engineering, National University of Singapore
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**EDUCATION**

PhD	2015	Health and Behavioral Sciences, University of Colorado Denver, USA  <i>Dissertation Title: Social Structure and Livelihood Strategies of Urban Farmers in Response to Land Use Change along the Yamuna River in Delhi, India.</i>
BLA/MLA	2010	Landscape Architecture, The Pennsylvania State University, USA  <i>Thesis Title: Examining the Relationship between Design Quality Indicators (DQIs) of the Built Environment and Health Status of Youth in Rural Pennsylvania.</i>
BA (Hons)	2000	English (writing) / Philosophy minor, West Virginia Wesleyan College, USA

**POSITIONS HELD**

2014-2017	GIS Consultant, The Colorado Trust - <i>a health equity foundation</i> , Denver, Colorado, USA
2013-2016	Research Consultant, <i>var.</i>
2010-2015	NSF IGERT PhD Fellow, Center for Sustainable Infrastructure Systems, Department of Health and Behavioral Sciences, University of Colorado Denver, USA
2009-2010	Project Coordinator, Hamer Center for Community Design, H. Campbell and Eleanor R. Stuckeman School of Architecture and Landscape Architecture, The Pennsylvania State University, USA
2005-2009	Research Assistant, Department of Landscape Architecture, The Pennsylvania State University, USA
2001-2004	Administrative Assistant, McCall & Almy, Inc.- <i>commercial real estate advisors</i> , Boston, Massachusetts, USA
2000-2001	Assistant to the President, Capital Campaign (\$32M Fund-Raising Campaign), West Virginia Wesleyan College

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\* Formerly Jessica Ann Cook; surname changed 27-Sep-2017

## RESEARCH AND SCHOLARSHIP

### Peer-Reviewed Publications

- Chan, Wing Fai and **J.A. Diehl**. (2022). Investigating Participatory Design and Community Attachment: A Case Study of Sai Ying Pun, Hong Kong. *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*.
- Diehl, J.A.**, Németh, J., Thomas, D. S. K., & Bose, M. (2022). Power through social networks: A case study of urban farmers facing land development in Delhi, India. *Habitat International*, 128, 102626. doi:https://doi.org/10.1016/j.habitatint.2022.102626
- Toh, Z. G., & Diehl, J. A. (2022). Projecting nostalgia: Portrayal of memoryscapes in local cinema as place attachment for community-driven redevelopment of Singapore landscapes. *Singapore Journal of Tropical Geography*, n/a(n/a). doi:https://doi.org/10.1111/sjtg.12441
- Xu, Huibo, S. Wu, and **J.A. Diehl**. (2022) The influence of Harbin forest-river ecological corridor construction on the restoration of mollisols in cold regions of China. *Forests*. 13: 652.
- Diehl, J.A.**, K. Asahiro, P.Y. Tan, Y.H. Hwang, T. Hirashima, L. Kong, Z. Wang, and H. Yao. (2022). (Survey Report) A coupled human and natural systems (CHANS) approach to investigating post-disaster recovery potential in rural Japan. *Journal of Disaster Research*. 17(3).
- Diehl, J.A.** and I. Chan. (2021) Is it just apathy? Using the Theory of Planned Behaviour to understand young adults' (18 to 35 years old) response to government efforts to increase planning participation in Singapore. *Urban Governance*, special issue on Social Inclusion, Social Innovation and Urban Governance.
- Diehl, J.A.**, E. Sweeney, B. Wong, C.S. Sia, H. Yao, and M. Prabhudesai. (2020). Feeding cities: Singapore's approach to land use planning for urban agriculture. Special issue: Sustainable food systems and diets. *Global Food Security*. 26: 100377.
- Diehl, J.A.** (2020) Growing for Sydney: Exploring the urban food system through farmers' social networks. Special issue: A Systemic Perspective on Urban Food Supply: Assessing Different Types of Urban Agriculture. *Sustainability*. 12: 3346.
- Chandra, Amanda Jennifer and **J.A. Diehl**. (2019) Urban agriculture, food security, and development policies in Jakarta: A case study of farming communities at Kalideres – Cengkareng district, West Jakarta. *Land Use Policy*. 89: 104211.
- Diehl, J.A.**, K. Oviatt, A.J. Chandra and H. Kaur. (2019). Household food consumption patterns and food security among low-income migrant urban farmers in Delhi, Jakarta, and Quito. *Sustainability*. 11(5): 1378-1395.
- Diehl, J.**, D. Guenther, S. Lockhart, and D. Main. (online 2017; print 2019). Access in the Food Environment: A Health Equity Approach Reveals Unequal Opportunity. *Journal of Planning Education and Research*. 2020, Vol. 40(1) 69–81.
- Zhang, Liqing, P.Y. Tan, **J. Diehl**. (2017). A conceptual framework for studying urban green spaces effects on health. *Journal of Urban Ecology*. 3(1): 1-13.
- [Former surname: Cook]**
- Cook, J.**, E. McCormick, A. Davidson, T. Mickiewicz, and D. Main. (2017). Associations between Self-Reported Weight Status and Meeting Recommendations for Healthy Eating and Physical Activity among High School-Aged Children in Denver, Colorado. *Journal of School Health*. 87(12): 923-931.
- Cook, J.**, K. Oviatt, H. Kaur, D. Main, and J. Brett. (2015). Re-conceptualizing Urban Agriculture: An exploration of farming along the banks of the Yamuna River in Delhi, India. *Journal of Agriculture and Human Values*. 32(2): 265-279.
- Cook, J.**, M. Bose, and D. Main. (2014). Design Quality Preferences for Walking in Youth in a Rural Setting. *Journal of Urban Design*. 19(2): 171-188.
- Cook, J.**, M. Bose, W. Marshall, and D. Main. (2013). How Does Design Quality Add to Our Understanding of Walkable Communities? *Landscape Journal*. 32(2): 151-162.

### Books

- Diehl, J.A.** (contracted). *Grown in Delhi: A political ecology of social networks and agency among Yamuna farmers*. Springer Nature.

## Edited Books

**Diehl, J.A.**, and H. Kaur (eds.). (2021). *New Forms of Urban Agriculture: An Urban Ecology Perspective*. Springer Singapore.

## Book Chapters

**Diehl, J.A.** (forthcoming 2022). A foodscape geonarrative: Mapping community food security in an unplanned settlement in Bangalore, India in *Mapping the Edible City* by Howard Lee et al. (eds). Publisher tbc.

**Diehl, J.A.** (in Press). Grown in the City: A design typology for productive urban landscapes in *Urban and Regional Agriculture: Building Resilient Food Systems* by Peter Droege (ed). Elsevier.

**Diehl, J.A.** (2021) Field work: A mixed-methods social network analysis of urban farmers and hired laborers in four cities in *New Forms of Urban Agriculture: An Urban Ecology Perspective* by J.Diehl and H.Kaur (eds). Springer Singapore.

Sia C.S. and **J.A. Diehl** (2021) Blurring the boundaries: How an emerging group of urban-integrated farmers in Singapore are changing the profile of farm labour in *New Forms of Urban Agriculture: An Urban Ecology Perspective* edited by J.Diehl and H.Kaur. Springer Singapore.

**Diehl, J.A.** and K. Oviatt. (2019). Productive Urban Landscapes: Emerging Typologies of Form and Function in Urban Landscapes in *High Density Cities* edited by Bianca Maria Rinaldi and Puay Yok Tan. Basel: Birkhäuser Verlag.

**Diehl, J.A.**, C.S. Sia, A.J. Chandra. (2018). Cities linked through food trans-boundaries: The case of Singapore as an Agri-pelago in *Agroubanism: Tools for Governance and Planning of Agrarian Landscape* edited by Enrico Gottero. Springer.

**Diehl, J.A.**, M. Bose, and D. Main. (2018). A social and spatial network approach to understanding beliefs and behaviors of farmers facing land development in Delhi, India in *Cities as Social and Spatial Networks* edited by Xingjian Liu and Xinyue Ye. Springer.

## Book Reviews

**Diehl, J.A.** (2020). Review of *Integrated Urban Agriculture, Precedents, Practices, Prospects* by Robert L. France ed. 2016. Journal of Landscape Architecture 1: 94-95.

## Reports to Sponsors

Bose, M., and **J. Cook** (2010). Investigating the Community Nutrition Environment of Family Public Housing Sites in Lewistown, PA. Report submitted to the Mifflin County Housing Authority.

## Manuscripts Under Review/Preparation

**Diehl, J.A.** and M. Bose. (under review). A sustainable livelihoods approach to measuring mobilization of resources through social networks among vulnerable populations: A case study of Delhi farmers. *Social Science and Humanities*.

Bao, Lixia and **J.A. Diehl** (in preparation). An investigation of Community Gardens for Cultivating Social Capital in the Singapore HDB Estate.

Lei, Fan and **J.A. Diehl**. (in preparation). Integration of Ecosystem Services in Street Redevelopment of Urban Informal Settlements.

Prabhudesai, Manasi and **J.A. Diehl**. (in preparation). Analysis of Production, Harvest & Consumption in Community Gardens: Contribution of community gardens towards increasing the vegetable intake and food security of the HDB residents in Singapore.

Cheng, Jing and **J.A. Diehl**. (in preparation). Lifecycle assessment of rooftop aquaponics production systems in Singapore: A case study of Comcrop.

Khan, Eingeel and **J.A. Diehl**. (in preparation). Regulating and Socio-Cultural Ecosystem Services Integration in Alleys of Delhi.

**Diehl, J.A.** (in preparation). Operationalizing the sustainable livelihoods framework using Eric Wolf's lens of multi-modal power.

### Conference Paper Presentations

**Diehl, J.A.** (2021). Roots versus Reach: A political ecology of traditional farmers in Singapore. Paper presented virtually at *ASFS/AFHVS/CAFS/SAFN 2021*, a joint conference hosted by Association for the Study of Food and Society (ASFS), Agriculture, Food & Human Values Society (AFHVS). June 9 - 15, 2021. New York City, USA.

Khan, Eingeel and **Diehl, J.A.** (2021). Leveraging Ecosystem Services in Existing Back Alleys for Creating Just Public Places of the Poor and Marginalized in Delhi, India. Paper presented virtually at the *Environmental Design Research Association 52st Annual Meeting*. 19-23 May, 2021. Detroit, Michigan, USA.

Fan, Lei and **Diehl, J.A.** (2021). Integration of Ecosystem Services in Street Redevelopment of Urban Informal Settlements. Paper presented virtually at the *Environmental Design Research Association 52st Annual Meeting*. 19-23 May, 2021. Detroit, Michigan, USA.

Chan, Wing Fai and **Diehl, J.A.** (2021). Investigating Participatory Design and Community Attachment: A Case Study of Sai Ying Pun, Hong Kong. Paper presented virtually at the *Environmental Design Research Association 52st Annual Meeting*. 19-23 May, 2021. Detroit, Michigan, USA.

**Diehl, J.A.** (2021). Grown in Singapore: An MLA Design Studio Explores Ten Landscape Typologies for Designing Multi-Functional Productive Landscapes. Paper presented virtually at the *Environmental Design Research Association 52st Annual Meeting*. 19-23 May, 2021. Detroit, Michigan, USA.

**Diehl, J.A.** (2021). They Might be Farmers in Their Village, but Here They Are Squatters': Trans-Local Identities Along the Yamuna Floodplain in Delhi, India. Paper to be presented virtually at the *Environmental Design Research Association 52st Annual Meeting*. 19-23 May, 2021. Detroit, Michigan, USA.

**Diehl, J.A.** (2021). Friends and Frenemies: A case study of social networks among urban farmers in Delhi, India. Paper presented virtually at the *American Association of Geographers 2021 Annual Meeting*. 7-11 April, 2021. Seattle, Washington, USA.

**Diehl, J.A.** (2020). A case study of how Sydney farmers' social networks sustain a productive livelihood. Paper presented virtually at the *4th International Conference on Global Food Security 2020*. 6-9 Dec, 2020. Le Corum, Montpellier, France.

**Diehl, J.A.** and C.S. Sia (2020). Interrogating the geographic boundaries of "urban" agriculture: an investigation of farming in Singapore and Sydney. Paper presented virtually at the *American Association of Geographers 2020 Annual Meeting*. 6-10 April, 2020. Denver, Colorado, USA.

**Diehl, J.A.**, X. Qian and Y. Su. (2020). Engaging local residents in sustainable placemaking: Findings from case studies of CBPP in the Singapore public housing estate and ecotourism in the Chinese historic village. Paper presented virtually at the *Environmental Design Research Association 51st Annual Meeting*. 4-7 April, 2020. Tempe, Arizona, USA.

**Diehl, J.A.** (2020). Using the geonarrative to surface the cultural landscape of Singapore: a spatial visualization of in/formal spatial practice. Paper presented virtually at the *Environmental Design Research Association 51st Annual Meeting*. 4-7 April, 2020. Tempe, Arizona, USA.

**Diehl, J.A.**, C.S. Sia, A.J. Chandra, and H. Kaur. (2019). Mapping social networks of urban farmers: A comparison of four case cities in developing versus developed countries in Asia/Australia. Paper presented at the International Society of Participatory Mapping (ISPM) conference 17-19 June, 2019. Helsinki, Finland.

**Diehl, J.A.** (2019). A foodscape geo-narrative in an unplanned settlement in Bangalore, India: spatial visualization of in/formal spaces and habits. Paper presented at the International Society of Participatory Mapping (ISPM) conference 17-19 June, 2019. Helsinki, Finland.

**Diehl, J.A.** and K.W. Yong (2018). Active learning in a participatory design studio: Enabling students to reach out to communities. Paper presented at Great Asian Streets Symposium / Pacific Rim Community Design Network / Structures for Inclusion December 14-16, 2018. Singapore.

**Diehl, J.A.** and C.S. Sia. (2018). Tradition goes high tech: South and Southeast Asia's emerging urban farm entrepreneurs. Paper presented at *AFHVS/ASFS 2018*, a joint conference hosted by Agriculture, Food & Human Values Society (AFHVS) and the Association for the Study of Food and Society (ASFS). June 13 - 16, 2018. Madison, Wisconsin, USA.

- Diehl, J.A.** (2018). Community-health partnerships informed by GIS: Identifying health and social inequity through place-based mapping. Paper presented at the *Environmental Design Research Association 49<sup>th</sup> Annual Meeting*. June 6 - 9, 2018. Oklahoma City, Oklahoma, USA.
- Cook, J.A.** (2018). Social (in)equity and social capital: A case study of social relationships among marginalized urban farmers in Delhi, India. Paper presented at the *Environmental Design Research Association 49<sup>th</sup> Annual Meeting*. June 6 - 9, 2018. Oklahoma City, Oklahoma, USA.
- Cook, J.** and K. Oviatt. (2017). A pilot study of household food security and domestic roles among migrant farmers in Delhi, India. Paper presented at *Situating Domesticities in Architecture Workshop*. Dec 6 - 7, 2017. Singapore.
- Cook, J., M. Bose, and D. Main.** (2017). An exploration of community engagement in informal spaces: A case study of urban farmers facing land development in Delhi, India. Paper presented at *Council of Educators in Landscape Architecture Annual Conference*. May 26 – 29, 2017. Beijing, CHINA.
- Cook, J., M. Bose, and D. Main.** (2017). A social and spatial network approach to understanding beliefs and behaviors of farmers facing land development in Delhi, India. Paper presented at the *American Association of Geographers Annual Meeting*. April 5 – 9, 2017. Boston, Massachusetts, USA.
- Cook, J., M. Bose, J. Brett, J. Nemeth, D. Thomas, H. Kaur, D. Main.** (2014). Understanding community participation from the bottom up: A case study of urban farmers facing land development in Delhi, India. Paper presented at the *Environmental Design Research Association 45<sup>th</sup> Annual Meeting*. May 28 - June 1, 2014. New Orleans, Louisiana, USA.
- Cook, J.** (2014). Understanding community participation from the bottom up: A case study of urban farmers facing land development in Delhi, India. Paper presented at the *South and Central Asian Fulbright Conference*. March 9-13, 2014. Chennai, Tamil Nadu, INDIA.
- Cook, J., D. Guenther, E. Ross, S. Lockhart, and D. Main.** (2013). Taking Neighborhood Health to Heart: Linking the Food Environment and Diet. Paper presented at the *Environmental Design Research Association 44<sup>th</sup> Annual Meeting*. May 29 - June 1, 2013. Providence, Rhode Island, USA.
- Oviatt, K., **J. Cook**, J. Brett, D. Main, and H. Kaur. (2013). Farming Delhi: A Social-Ecological Perspective of Urban Agriculture. Paper presented at the *2013 Society for Applied Anthropology Annual Meeting*. March 19-23, 2013. Denver, Colorado, USA.
- Brett, J., K. Oviatt, and **J. Cook**. (2012). Using GIS and Ethnography to Better Understand Urban Farming Systems. Paper presented at the *111<sup>th</sup> American Anthropological Association Conference*. November 14-18, 2012. San Francisco, California, USA.
- Oviatt, K., **J. Cook**, J. Brett, and D. Main. (2012). Urban agriculture in Delhi, India: An exploration of farming along the banks of the Yamuna River. Paper presented at the *2012 Society for Applied Anthropology Annual Meeting*. March 27-31, 2012. Baltimore, Maryland, USA.
- Oviatt, K., **J. Cook**, J. Brett, and D. Main. (2012). Urban agriculture in Delhi, India: An exploration of farming along the bank of the Yamuna River. Paper presented at the *OnSustainability Conference 2012*. January 10-12, 2012. Vancouver, CANADA.
- Cook, J., M. Bose, and D. Main.** (2011). Design Quality Preferences for Active Living: Youth in Rural Areas. Paper presented at the *International Conference on the Constructed Environment 2<sup>nd</sup> Annual Conference*. October 29-30, 2011. Chicago, Illinois, USA.
- Cook, J., M. Bose, D. Main, and W. Marshall.** (2011). How does measuring 'design quality' add to our understanding of 'walkable' communities? Paper presented at the *Environmental Design Research Association 42<sup>nd</sup> Annual Meeting*. May 25-28, 2011. Chicago, Illinois, USA.
- Cook, J.** and M. Bose. (2010). Aesthetics and Health: What is the Relationship Between Design Quality Indicators of the Built Environment and Health Status of Youth in Rural Pennsylvania? Paper presented at the *Council of Educators in Landscape Architecture 2010 Annual Conference*. May 12-14, 2010. Maastricht, NETHERLANDS.
- Cook, J.** and M. Bose. (2009). Examining the Relationship between Design Quality Indicators of the Built Environment and Health Status in Rural Pennsylvania. Paper presented at the *Council of Educators in Landscape Architecture 2009 Annual Conference*. January 14-17, 2009. Tucson, Arizona, USA.
- Bose, M. and **J. Cook**. (2009). Household Food Security, Diet, and Community Nutrition Environment of Public Housing Residents in Harrisburg, PA. Paper presented at the *Council of Educators in Landscape Architecture 2009 Annual Conference*. January 14-17, 2009. Tucson, Arizona, USA.
- Bose, M. and **J. Cook**. (2007). A Comparison of the Nutrition Environment and Nutrition Status of Female Public Housing Residents in Harrisburg, PA. Paper presented at the *Council of Educators in*

*Landscape Architecture 2007 Annual Conference.* August 15-19, 2007. University Park, Pennsylvania, USA.

Bose, M. and **J. Cook**. (2007). Examining the Community Nutrition Environment of Public Housing Residents in Harrisburg, PA. Paper presented at the *Environmental Design Research Association 38<sup>th</sup> Annual Meeting*. May 30 - June 3, 2007. Sacramento, California, USA.

### Conference Poster Presentations

**Cook, J.**, D. Guenther, S. Lockhart, and D. Main. (2015). Describing Neighborhood Food Access from a Health Equity Lens: Insights from the Taking Neighborhood Health to Heart Study. Poster presented at the *Environmental Design Research Association 46<sup>th</sup> Annual Meeting*. May 27 - 30, 2015. Los Angeles, California, USA.

**Cook, J.**, D. Guenther, E. Ross, S. Lockhart, and D. Main. (2012). Taking Neighborhood Health to Heart: Exploring Environmental and Social Barriers to Healthy Eating. Poster presented at the *Environmental Design Research Association 43<sup>rd</sup> Annual Meeting*. May 30 - June 2, 2012. Seattle, Washington, USA.

Brett, J., **J. Cook**, Z. Coventry, A. DiPierre, E. Fiene, S. Fisher, D. Guenther, D. Main, K. Oviatt, and Z. Spiric. (2011). Farming the City: Urban Agriculture Potential in Denver. Poster presentation at the *2011 Colorado Brownfields Conference*. November 14-15, 2011. Denver, Colorado, USA.

Alter, T., Brown, L.D., **Cook, J.**, Corbin, M., Gordon, L., and Terndrup, T. (2010). Establishment of the Rural Embedded Assistants for Community Health (REACH) Network. Poster presented at *The Academy Health, Annual Research Meeting*. June 27-29, 2010. Boston, Massachusetts, USA.

**Cook, J.** and M. Bose. (2009). Examining the Relationship between Design Quality Indicators (DQIs) of the Built Environment & Health Status in Rural Pennsylvania. Poster presented at *The Pennsylvania State University Graduate Exhibition*. March 29, 2009. University Park, Pennsylvania, USA.

**Cook, J.** and M. Bose. (2008). Community Nutrition Environment Assessment: Modification and Use of a Toolkit to Assess the Availability and Affordability of Nutritious Food for Adult Female Minority Public Housing Residents of Harrisburg, PA. Poster presented at The Pennsylvania State University Graduate Exhibition. March 30, 2008. University Park, Pennsylvania, USA.

### Invited Presentations/Lectures

A Political Ecology Approach to Understanding Cultural Identity and Growing Food in the City. Socio-Ecological Assessment of Urban Landscapes, Seminar Series No. 3. Politecnico di Torino. June 8, 2017. ITALY

Beyond Food Security: A Socio-Ecological Perspective on Urban Agriculture in Delhi, India. Socio-Ecological Assessment of Urban Landscapes, Seminar Series No.1. Centre for Sustainable Asian Cities, School of Design and Environment, National University of Singapore. September 15, 2016. SINGAPORE

Livelihoods & Land Use Change: A Case-Study of Urban Farmers in Delhi, India. Invited guest lecture, Stanford University School of Earth Sciences, Urban Agriculture in the Developing World. November 3, 2014.

Urban Farmers: Livelihoods & Land Use Change. Invited presentation, Landour Lecture Series. December 11, 2013. Landour, Uttarakhand, INDIA.

Urban Farmers: Livelihoods & Land Use Change. Invited guest lecture, Ambedkar University Delhi School of Human Ecology. April 12, 2013. New Delhi, INDIA.

Urban Farmers: Livelihoods & Land Use Change. Invited presentation, Health and Behavioral Sciences Colloquium Seminar, University of Colorado Denver. September 9, 2013. Denver, Colorado, USA.

Urban Agriculture in Delhi, India: An exploration of farming along the banks of the Yamuna River. Invited presentation, Center for Sustainable Urban Infrastructure Seminar, University of Colorado Denver. November 30, 2011. Denver, Colorado, USA.

Life Course Perspective. Student-led lecture: Social Epidemiology, Health and Behavioral Sciences, University of Colorado Denver. November 15, 2011. Denver, Colorado, USA.

Discrimination and Health. Student-led lecture: Social Epidemiology, Health and Behavioral Sciences, University of Colorado, Denver. November 8, 2011. Denver, Colorado, USA.

Improving Health through Community Organization and Community Building. Student-led lecture: Theory

II, Health and Behavioral Sciences, University of Colorado Denver. March 4, 2011. Denver, Colorado, USA.

Healthy Communities by Design. Invited presentation, North Dakota State University Department of Landscape Architecture, undergraduate students visiting the Center for Sustainable Urban Infrastructure Systems, University of Colorado Denver. February 9, 2011. Denver, Colorado, USA.

Ecological Models of Health Behavior. Student-led lecture: Theory II, Health and Behavioral Sciences, University of Colorado Denver. January 28, 2011. Denver, Colorado, USA.

Mind, Body, and Society. Student-led lecture: Theory I, Health and Behavioral Sciences, University of Colorado Denver. November 3, 2010. Denver, Colorado, USA.

Institutions of Power and Authority. Student-led lecture: Theory I, Health and Behavioral Sciences, University of Colorado Denver. September 22, 2010. Denver, Colorado, USA.

## **Social Media**

[www.urbanagsingapore.wordpress.com](http://www.urbanagsingapore.wordpress.com) (launched in 2018)

[www.urbanagdelhi.wordpress.com](http://www.urbanagdelhi.wordpress.com) (launched in 2011)

## **AWARDS/HONORS**

2010	PA-ASLA Honor Award for Student Collaboration
2009	ASLA Student Honor Award
2008	Department Student Award of Excellence, The Pennsylvania State University
2006	Ann Pellow Wagner Scholarship, The Pennsylvania State University

## **GRANTS/FELLOWSHIPS**

2021-2026	ETH Zurich – SEC joint grant (SGD\$2,553,773) - <i>Future Cities Lab (FCL) Global: Agropolitan Territories in Monsoon Asia</i> (Co-PI; collaborators: Stephen Cairns (PI; ETH), Johan Six (ETH), Janice LEE Ser Huay (NTU)
2021-2022	Singapore Ministry of Education (MOE) SSHR Grant (SGD\$807,232.80) - <i>Social Practices and Municipal (Dis-)Amenities: A Participatory Translational Study to Foster Positive Community Behaviour towards Singapore's Built and Social Environment</i> (Co-PI; collaborators: Cho Im Sik (PI), Tan Beng Kiang, Trivic Zdravko, Ho Kong Chong)
2017-2020	Singapore Ministry of Education (MOE) R-1 NUS New Faculty Start-up Grant (SGD\$ 85,340.66 SGD) - <i>Singapore's Food Supply: An exploration of urban agriculture as an embedded practice</i> (Principle Investigator)
2013-2014	Fulbright, Fulbright-Nehru Research Scholar, Ambedkar University Delhi, India
2010-2015	NSF IGERT PhD Fellow, University of Colorado Denver – U.S. National Science Foundation Integrated Graduate Education and Research Traineeship
2008	Alma Heinz and August Louis Pohland Graduate Fellowship, The Pennsylvania State University

## **Residencies**

2017	Politecnico di Torino, 1 month invited residency, Social-Ecological Approach to Landscapes
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## **TEACHING**

### **National University of Singapore**

#### *Undergraduate level courses*

2016-17	Sem1 Year 3 Architecture Design Studio (Landscape Architecture-focus)
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2017-20	Sem1	Site Analysis I (Year 3 Arch Students, landscape architecture-focus)
2017-20	Sem2	Site Analysis II (Year 3 Arch Students, landscape architecture-focus)

#### Graduate level courses

2017-23	Sem1	Geodesign
2017-19	Sem2	MLA Design Studio: City Scale
2019-20; 22-23	Sem1	MLA Design Studio: Country Scale
2020-22	Sem1	MLA Design Studio: Quarter Scale
2021-23	Sem1	Political Ecology of Landscape

#### Course Publications / Presented Works

Diehl, J.A. and M. Yip. (Editors). (2021). *From Liveable to Loveable: A bottom-up approach to placemaking in Singapore's HDB residential estates [electronic resource]*. CASA, NUS. ISBN 978-981-18-3725-8

Var. student works. (2021). *Grown in Singapore* poster presented at the 2021 International Geodesign Collaboration (IGC) 3rd symposium: <https://www.igc-geodesign.org/igc-2020-21-projects>.

Diehl, J.A. and E.S. Lin (Editors). (2021). *Grown in Singapore: Designing Spaces that Re-Image Singapore as a Productive 'City in Nature'* CASA, NUS. ISBN 9789811811319.

Diehl, J.A. and M. Yip. (Editors). (2020). *Cultural Landscapes: Designing places that highlight local culture(s) in the global city of Singapore [electronic resource]*. CASA, NUS. ISBN 9789811455681

Var. student works. (2020). *Rewilding Singapore* poster presented at the 2020 International Geodesign Collaboration (IGC) 2nd symposium: <https://www.igc-geodesign.org/2019-20-presentations>.

Var. student works. (2020). *Enhancing ecosystem services in HDB estates, Singapore* in Fisher, T., B. Orland, and C. Steinitz (eds). (2020). *The International Geodesign Collaboration: Changing Geography by Design*. ESRI Press, ISBN: 9781589486133.

Var. student works. (2019): *Enhancing ecosystem services in HDB estates, Singapore* poster presented at the 2019 International Geodesign Collaboration (IGC) 1st symposium: <https://www.envizz1.com/igc-2019-completed-projects>.

Diehl, J.A. (Editor). (2019). *Landscape of necessity [electronic resource]: Re-envisioning productive urban landscape: A community based design studio in Yelahanka, Bangalore, India*. CASA, NUS. ISBN 9789811418785

Diehl, J.A. (Editor). (2018). *Grow Hebbal [electronic resource]: A community-based design studio in Hebbal, Bangalore, India - envisioning productive urban landscapes*. CASA, NUS. ISBN 9789811190797

Diehl, J.A. (Editor). (2017). *The cultural landscape of Whampoa: A community-based design studio in Singapore..* [Available in print only].

#### Student Awards

Bao, Lixia. *Productive Landscape A Framework for Women Empowerment*. SILA STUDENT DESIGN AWARDS 2019 Winner, Best Design Showcase (Honourable Mention)

#### Supervision of Graduate Dissertation

##### Doctor of Philosophy - Architecture (PhD) 2022

- Li, Wenpei. In Progress: *Increasing urban resilience by promoting public health through optimizing green infrastructure spatial pattern*

2021

- Sia, Ching Sian. In Progress: *'The right to grow in the city' – The emergence of social urban farms in Singapore. Planning for Urban Agriculture in Asian Cities – Singapore.*

##### Master of Landscape Architecture (MLA) 2022

- Ge, Wenxi. *Urban residential heritage district development and place attachment: A case study of Suzhou.*
- Long, Di. *Exploring Human-Wildlife Conflict in Singapore and Its Relationship to Landscape Design*



- Rui, Xue. *Improving Age-friendly Community Design Strategies with Feedback from Singapore Seniors.*
- Xie, Wanying. *From Common to Iconic: Singapore Landscapes and Gentrification.*

2021

- Cheng, Jing. *Lifecycle assessment of rooftop aquaponics production systems in Singapore: A case study of Comcrop.*
- Han, Cong. *Activating spaces to build social capital.*
- Shao, Zhongran. *A study of Singapore hawker centres in a social-spatial dimension.*
- Xiao, Xinyan. *A study on social and spatial patterns in multicultural HDB community in Singapore post Covid-19.*

2020

- Agarwal, Vinamra. *Linking Urban Farming (UF) and Health: A Pilot Study to Understand the physical and mental health of UF volunteers in Singapore.*
- Bao, Lixia. *An investigation of Community Gardens for Cultivating Social Capital in the Singapore HDB Estate.*
- Chan, Wing Fai. *Investigating Participatory Design and Community Attachment: A Case Study of Sai Ying Pun, Hong Kong.*
- Khan, Eingeel. *Regulating and Socio-Cultural Ecosystem Services Integration in Alleys of Delhi.*
- Prabhudesai, Manasi. *Analysis of Production, Harvest & Consumption in Community Gardens: Contribution of community gardens towards increasing the vegetable intake and food security of the HDB residents in Singapore.*
- Toh, Zi Gui. *How does local cinema of the 2010's express memoryscapes in Singapore?*

2019

- Fan Lei, Helen. *Integration of ecosystem services in street redevelopment of informal settlements.*
- Lam, Swan Si Yun. *Potentials for the use of the therapeutic landscapes in palliative care: A case of healthcare providers in Hong Kong.*
- Wang, Zhe. *The intention of rural and urban populations to adopt an agritourism model as part of Yame-shi disaster recovery.*
- Yao, Haomu. *Effects of planted forest on shallow landslides: Modeling landslide hazard through GIS-based logistic regression in 2017 Northern Kyushu flood, Japan.*
- Yong, Raymond Keng-Whye. *Understanding relationship between Migrant Workers and Open Green Spaces: A study of the importance and usage of green open spaces by Bangladeshi Migrant Workers in Little India, Lembu Open Space – "Minimart", Singapore.*

2018

- Chandra, Amanda Jennifer. *Urban agriculture and food security, and development policies in Jakarta: A case study of farming communities at Kalideres - Cengkareng district, West Jakarta.*
- Dai, Junwei. *Assessing the authentic representation of the Chinese Garden abroad: Case studies of two overseas Chinese gardens in USA.*

2017

- Qian, Xuanyu. *Community-based Participatory Planning and Community Attachment in Singapore.*
- Tan, Wenbin. *Uncovering the design potential of public space to facilitate community social interaction in Singapore.*
- Pang, Yurong. *What is the potential for naturalization of canals in Singapore?*
- Su, Yuting. *Community-based ecotourism as strategic planning and conservation of cultural identity in Chinese historical villages.*

*Master of Urban Planning (MUP)*

2018

- Chan, Shui Lian Isabelle. *Reaching out to the Youth: Proposals for effective youth participation in*

*Singapore's urban planning.*

## **Membership of Graduate Degree Candidate's Committee**

### *Doctor of Philosophy - Architecture (PhD)*

2022

- Jury member, Bjorn Low. *Restoring Singapore's food collective actualization through regenerative agrarian dynamics*. Supervisor: Charles Anderson. Department of Architecture, RMIT University, Melbourne, Australia.

2021

- Jury member, Ivonne Weichold. *Agroecologies: Towards a Territorial, Integrative Agri-Urban Design – Luxembourg as a Case Study*. Supervisor: Florian Hertwek. Department of Architecture, European Urbanization, Globalization, University of Luxembourg.
- Jury member, Samsudin, Rosita. *Assessment of the Role of Urban Green Spaces in Social Capital Formation*. Supervisor: Associate Professor Dr Tan Puay Yok. Department of Architecture, National University of Singapore.

2019

- Domain Expert, Zhang, Liqing. *Assessment of Dose-Response Relationships between Urban Green Space and Self-reported Health*. Supervisor: Associate Professor Dr Tan Puay Yok. Department of Architecture, National University of Singapore.

### *Master of Landscape Engineering*

2021

- Komarolya, Davood Vafadari. *Explain the criteria of urban landscape in order to promote public health in an epidemic situation with a passive defence approach*. University of Tehran

## **Supervision of Visiting Scholars**

### *China Scholarship Council (CSC) Visiting Scholars & Doctoral Joint-Training Program Awardees*

Aug 2022 – Jul 2023

- Qi, Wang. *Title tbc*. Xi'an Jiaotong University, Lecturer/Master Tutor in the Department of Architecture.
- Wu, Yimeng. *Research on Life Cycle Cost and Ecological Benefit Evaluation Model of Building Vertical Greening in High-Density Built Environment*. Tongji University, PhD student in Architecture
- Guo, Ru. *Spatial differentiation of recreational service in high-density urban park system and its collaborative optimization*. Tianjin University, PhD student in Landscape Architecture.

Dec 2021 – Nov 2022

- Xu, Huibo. *Construction Strategy of Soil Conservation Ecological Security Pattern Combined with Efficient Urban Agriculture*. Harbin Institute of Technology, PhD student in Landscape Architecture.

## **Teaching Improvement**

- |      |   |
|------|---|
| 2022 | ESRI MOOCs: Do-It-Yourself Geo Apps; Cartography                                  |
| 2020 | SDE Workshop on "Designing an Online Course", Jul 17                              |
|      | SDE-NUSTA Teaching Seminar 2020: Innovation in Teaching, Jun 22                   |
|      | NUS CPDP/PDP Teaching in Time of Covid-19: Taking Stock and Planning Ahead, Jun 6 |
| 2019 | ESRI MOOCs: Spatial Analysis  |
|      | NUS Workshop: Poll Everywhere, Aug 2  |
|      | NUS CPDP/PDP Facilitating Effective Online Discussions Using LumiNUS, Jul 17      |
|      | NUS CPDP/PDP LumiNUS for Teaching and Learning: Getting Started, Jul 16           |

- ISPM Conference: Let the People Map, Aalto University, Finland, Jul 17-19.  
 NUS-CDTL Professional Development Programme, Option B: 7 Sessions Mar-Dec.  
 NUS-CDTL Workshop: Professional Development Programme, Jan 8-10.  
 2018 ESRI MOOCs: Earth Imagery  
 2017 NUS-CDTL Workshop: Developing a Teaching Portfolio Workshop, Aug 7, 17 & Sep 6,  
 PPGIS Conference: Public Participatory Geographic Information Systems, San Luis  
 Obispo, CA, USA, Jul 31-Aug 3.  
 NUS Centre for Development of Teaching and Learning (CDTL) Workshop: IVLE for  
 Teaching and Learning: Getting Started, Mar 16.

## **SERVICE**

### **Service to the University**

#### *Departmental Committee Work*

- 2020- NUS BLA/MLA Bi-Annual Yearbook Editor  
 2019- BLA Admission Interviews  
 2017-2021 BLA Programme Development  
 2016- MLA Admission Committee  
 2016-2019 Architecture Aptitude Test (AAT) Committee

#### *University Centres*

- 2016- Member, CARE Network: Centre for Aging Research in the Environment  
<http://www.sde.nus.edu.sg/care/index.html>

### **Workshops, Symposia, Conference Convener**

- 2018 Scientific Committee & Session Chair, Great Asian Streets Symposium / Pacific Rim  
 Community Design Network / Structures for Inclusion 18. Dec 14-16.  
 2017 Co-Convener, Situating Domesticities in Architecture Network Workshop Dec 6 – 7.  
<https://www.sahasia.org/conferences/2017/12/7/situating-domesticities-in-architecture>  
<https://situatingdomesticities.com/> (Singapore Ministry of Education (MOE) Seed Grant  
 WBS# R-295-000-131-646)

### **Masterclasses, Executive Workshops**

- 2017-2018 Co-Trainer, Participatory Community Design Facilitators Training Workshops (12  
 Sessions) for Sport Singapore funded by MCCY

### **Professional Affiliations**

- 2017- International Society of Participatory Mapping (ISPM), Member  
 2018- Agriculture, Food & Human Values Society (AFHVS), Member  
 2010- American Society of Landscape Architects (ASLA), Member  
 2007- Environmental Design Research Association (EDRA), Member - 2012-18: Co-chair,  
*Active Living Knowledge Network*  
 2016-17; 2019-21 American Association of Geographers (AAG), Member  
 2015-16 Community Campus Partnerships for Health (CCPH)  
 2010-15 Food Systems Research Group, Center for Sustainable Urban Infrastructure,  
 University of Colorado Denver, Student Member - 2011-12: Graduate Student Leader  
 2005-10 American Society of Landscape Architects (ASLA), Student Member

### **Service to the Discipline/Profession**

2022	Reviewer, Fulbright Senior Award 2023-2024, Poland
2021-	External Examiner, Ngee Ann Polytechnic, School of Life Sciences & Chemical Technology (LSCT)/ Diploma in Landscape Design & Horticulture (LDH), Singapore
2014-	Journal reviewer: Agriculture; Journal of Agriculture and Human Values (AHUM); Agronomy; AIMS Agriculture and Food; All Life; Cities & Health; Ecology and Society; Ecology of Food and Nutrition; eTropic: Electronic Journal of Studies in the Tropics; Forum Qualitative Sozialforschung / Forum: Qualitative Social Research (Editorial Team); International Journal of Environmental Research and Public Health (IJERPH); International Journal of Urban Sustainable Development (IJUSD); International Real Estate Review; Journal of Planning Education and Research (JPER); Journal of Spatial Science (JOSS); Journal of Urbanism; Land Use Policy; Landscape and Urban Planning; Landscape Journal; Open Agriculture; Renewable Agriculture and Food Systems; Sustainability; Sustainable Cities and Society; Transactions of the Institute of British Geographers; Urban Forestry & Urban Greening (UFUG)
2018	Conference Abstract Reviewer: Great Asian Streets Symposium (GASS 2018)
2012-20	Environmental Design Research Association (EDRA)