

THEODORE C LIM
Curriculum Vitae
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Appointments and Positions

Assistant Professor, Department of Urban Affairs and Planning, Virginia Tech (since Jan 2019)

Courses Taught:

SPIA 4464 Data and the Art of Policy Making and Planning
UAP 5126 Planning Studio: Autonomous Vehicles

Environmental Data Scientist, Monsanto Company (May 2017 – Jan 2019)

Data science methods in areas of field hydrology, meteorology/climatology, and environmental risk quantification to support precision agriculture initiatives

Graduate Research Assistant, Department of City and Regional Planning, University of Pennsylvania (2013 – 2017)

Courses Taught:

CPLN 680 Advanced Topics in GIS
CPLN 505 Planning by Numbers

Civil Engineer, Sherwood Design Engineers (2009 – 2013)

Models and designs of integrated, sustainable water infrastructure at site and district scales

Fulbright Scholar to China, US Department of State (2007 – 2008)

Public health research in Northeast China

Education

Ph.D. City and Regional Planning, University of Pennsylvania (2017)

Dissertation: “Land, Water, Infrastructure and People: Considerations of Planning for Distributed Stormwater Management Systems”

Committee: John Landis (Chair), Claire Welty, Tom Daniels

M.S. Environmental Science and Engineering, Tsinghua University (2011)

B.A. Special Major: Immigrant Studies, Swarthmore College (2007)

Refereed Journal Articles

- Lim, Theodore C., and Claire Welty. (2018). "Assessing Variability and Uncertainty in Green Infrastructure Planning Using a High-Resolution Surface-Subsurface Hydrological Model and Site-Monitored Flow Data." *Frontiers in Built Environment* 4. <https://doi.org/10.3389/fbuil.2018.00071>.
- Lim, Theodore C. (2018) Revitalizing urban neighborhoods by adopting green infrastructure—the case of Washington D.C. *Urban Planning International*. doi:10.22217/upi.2017.423
- Lim, Theodore C., Claire Welty. (2017). "Effects of spatial configuration of imperviousness and green infrastructure networks on hydrologic response in a residential watershed". *Water Resources Research*, September 6, 2017. doi: 10.1002/2017WR020631
- Lim, Theodore C. (2017) "An empirical study of spatial-temporal growth patterns of a voluntary residential green infrastructure program". *Journal of Environmental Planning and Management*, July 28, 2017. doi: 10.1080/09640568.2017.1350146
- Lim, Theodore C. (2016) "Predictors of Urban Variable Source Area: A Cross-Section Analysis of Urbanized Catchments in the United States." *Hydrological Processes*, June 1, 2016 (available online) doi:10.1002/hyp.10943
- Lim, Theodore C., Wang, B., Huang, J., Deng, S., & Yu, G. (2011). Emission Inventory for PFOS in China: Review of Past Methodologies and Suggestions. *The Scientific World Journal*, 11, <http://doi.org/10.1100/2011/868156>

Conference Presentations

- Lim, Theodore C. and Claire Welty "Spatial-Temporal Considerations of Distributed Green Infrastructure Implementation." American Geophysical Union Fall Meeting. Dec 14, 2018, Walter E. Washington Convention Center, Washington, DC.
- Lim, Theodore C. "Social Influence and Green Infrastructure Installation." Assoc. of Collegiate Schools of Planning Annual Conference, Nov 4, 2016, Hilton Portland & Executive Tower, Portland, OR.
- Lim, Theodore C. "Beyond imperviousness: A statistical approach to identifying functional differences between development morphologies on variable source area-type response in urbanized watersheds." American Geophysical Union Fall Meeting. Dec 12, 2016, Moscone Center, San Francisco, CA.
- Lim, Theodore C., Hu Hong and David Hsu. "Heterogeneous Reactions to Price Incentives Promoting Private Implementation of Green Infrastructure." Assoc. of Collegiate Schools of Planning Annual Conference, Oct 22, 2015, Hyatt Regency, Houston, TX.
- Lim, Theodore C, Bin Wang, Jun Huang, Shubo Deng, and Gang Yu. "Fugacity Modeling to Estimate Source Load of PFOS in Lower Third of Huangpu River, Shanghai." China Persistent Organic Pollutants Forum, May 17, 2011, Harbin, China.

Professional Memberships

Association of Collegiate Schools of Planning
American Geophysical Union
American Planning Association

Academic, Professional, and Personal Recognitions and Awards

Breeding Analytics Data Science Prize, Monsanto Company (2018)

Outstanding Student Paper (Top 5% of all papers), American Geophysical Union, Hydrology Section (2016)

Center for Teaching and Learning Graduate Fellowship for Teaching Excellence (2016 – 2017)

Winner, Disruptive Technologies in Real Estate Challenge, Urban Land Institute (2015)

Doctoral Fellow Award, University of Pennsylvania (2013 – 2017)

National Honor Award, Jiaxing China Master Plan, American Society of Landscape Architects (2012) (Sherwood Design Engineers, with: SOM, HOK, Woods Bagot, and SWA)

Merit Award for Urban Design, Langfang Eco-Smart City Master Plan, American Institute of Architects, Hong Kong (2010) (Sherwood Design Engineers, with: CW Group, HOK, and Woods Bagot)

Tsinghua University Full Scholarship, China Scholarship Council (2009 – 2011)

Fulbright Research Scholarship, US State Department (2007 – 2008)

Intercultural Center Lifetime Service Award, Swarthmore College (2007)

Dean's Award, Swarthmore College (2007)

Eugene M. Lang Summer Humanities Grant (2006)