

SUZY (ZEKUN) LI, LEED AP BD+C

PhD Candidate for Building Performance and Diagnostics, SoA CMU

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EDUCATION

- 2018-2023 **PhD for Building Performance and Diagnostics**
Carnegie Mellon University, Pittsburgh PA
- 2013-2014 **Master Science of Architecture**
Carnegie Mellon University, Pittsburgh PA
- 2012-2013 **Master of Urban Design**
Carnegie Mellon University, Pittsburgh PA
- 2007-2012 **Bachelor of Engineering in Urban Planning**
Beijing University of Technology, Beijing, China

TEACHING AND ADVISING

CO-INSTRUCTOR

- 2021 **Environmental systems: Climate & Energy in Buildings**
Taught graduate Lab Sessions
Facilitated one-on-one Q&A sessions
Graded assignments and provided feedback for students
- 2013-2014 **Urban Design Methods**
Taught software skills during lab sessions, including Adobe Suite, ArcGIS, and Rhino
Designed assignments and handouts.
Coordinated with Studio projects using software skills learnt from this course.
- 2021 **M.Arch Thesis Advising**
Provided feedback and guidance on one M.Arch student's thesis: Indoor Environment for Aging in Beijing, China

TEACHING ASSISTANT

- 2019-2021 **Productivity, Health, and the Sustainable Quality of the Built Environment**
Lectured on effective strategies for literature research
Facilitated one-on-one Q&A sessions
Graded assignments and provided feedback for students
- 2019 **Paradigms of Research in Architecture**
Facilitated one-on-one Q&A sessions
Demonstrated examples of 3-minute thesis presentation
Graded assignments and provided feedback for students

- 2019 **GIS/CAFM - Spatial Analysis in Infrastructure Planning**
 Attended lab sessions for Q&A to assist students in learning and practice
 Moderated office hours for the whole class
 Graded assignments and provided feedback for students
- 2013 **Master of Urban Design Studio**
 Facilitated one-on-one Q&A and critique session for design project
 Provided feedback for students' presentations
- 2014 **Context**
 Assisted in creation of lecture content
 Graded assignments

RESEARCH

- 2021-current **LEADING RESEARCH GROUP**
Smart Surface Research
 Administrate research weekly meetings
 Assigned research assistants' tasks
 Provide feedback to research assistants
 Conduct research
- 2021 **RESEARCH ASSISTANT**
Local Mobility Improvements for Communities in the Region (LINC: Linking our networked communities)
 Gathered GIS data for the project sites
 Conducted GIS analysis and graphic mapping
 Compiled and formatted final report for publication
- 2019-2021 **Regional Highway Corridor Benefit Research Study (Phase I and II)**
 Lead two other research assistants
 Gathered GIS data for the project sites
 Conducted GIS analysis and graphic mapping
 Compiled and formatted final report for publication
- 2019-2020 **CII- The Value of Life Cycle and Triple Bottom Line Calculations to Promote High Performance Building Systems (LCCA)**
 Video interviewed clients to gather research information
 Gathered research data for Triple Bottom Line analysis
 Collect calculation methodology through literature review
 Created presentation slides and prepared for Webinar
 Compiled and formatted final report for publication

PROFESSIONAL EXPERIENCE

- 2019 - Current **Researcher**
Remaking Cities Institute, Pittsburgh PA
Conducted GIS analysis and graphic mapping
Compiled and formatted final report for publication
- 2016-2017 **Designer and Researcher**
Urban Planning and Design Academy, Beijing University of Technology, Beijing, China
Lead and participated in urban planning and design projects in China
- 2015-2017 **Co-founder and General Manager**
Zhengjie Engineering Cost Consulting Co, Ltd, Beijing, China
Participated in formulating and administering company policies
Directed and coordinated all divisional department activities to develop and implement long-range goals and objectives to meet business and profitability growth objectives
- 2014-2015 **Adjunct Instructor**
Carnegie Mellon University, Pittsburgh PA
Co-instructed Urban Design Method, focusing on graphic representation skills
Assist taught Master of Urban Design Spring Studio
- 2013-2014 **LEED Intern and Graphic Designer**
Thoughtful Balance, Pittsburgh PA
Collaborated on LEED registered projects
Provided graphic design

PUBLICATIONS

Li, Zekun; Loftness, Vivian; Ge, Siqing; Zhou, Yi; Sui, Jiyuan; Zhang, Zehan; et al. (2022): Smart Surfaces Guide. Carnegie Mellon University. Report.
<https://doi.org/10.1184/R1/20186438.v2>

Loftness, V., Ries, R., Li, Z., Sodagari, M. (2022). The Value of Life Cycle Triple Bottom Line Calculations to Promote High-performance Buildings. Construction Industry Institute. Retrieved from <https://www.construction-institute.org/resources/knowledgebase/whats-new/result/topics/rt-fhc-02/pubs/fr-fhc-02a>.

Li, Z., & Loftness, V. (2021). Mitigating and adapting to climate change with a taxonomy of smart urban surfaces. *Journal of Physics: Conference Series*, 2069(1), 012225. <https://doi.org/10.1088/1742-6596/2069/1/012225>

Gastil, R. W., Quick, S. L., Li, Z., McAuliffe, S. (2021, August 31). *Local mobility improvements for communities in the region (linc: Linking our networked communities)*. TRID. Retrieved from <https://trid.trb.org/view/1884860>

PRESENTATIONS

“Mitigating and adapting to climate change with a taxonomy of smart urban surfaces”
International Building Physics Conference Poster Presentation, Denmark, August 2021

HONORS AND AWARDS

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| 2022 | 2 nd Place Winner of 3-Minute Thesis Competition at Carnegie Mellon University |
| 2021 | Recipient of Alwin Cassens, Jr. Memorial Fund in Architecture |
| 2018-2019 | Meritorious Academic Record in PhD program |
| 2012-2014 | Meritorious Academic Record in Master’s program |
| 2013 | ULI Gerald D. Hines Student Urban Design Competition Honorable Mention |

SKILLS

COMPUTER/SOFTWARE

Design: Autocad, PS, ID, AI, AE, Sketchup, Advanced ArchGIS Pro, Rhino, Grasshopper,
Climate Consultant, REM/Rate Energy
Simulation: EnergyPlus, Urban Modeling Interface, Design Builder
Data Analysis: Rstudio, SPSS, Weka, LightSIDE

SPECIALTIES

Urban Planning, Urban Design, Community Development, Architecture Design, LEED
Project, Building Energy Simulation, Post Occupancy Evaluation, Biophilia Urban Design,
Climate Responsive Urban Design

LANGUAGE

Fluent in English and Mandarin