

Kimberlee (Marcellus) Zamora, Ph.D., LEED AP BD+C

Education, Awarded Degrees

Drexel University, Philadelphia, PA	Civil Engineering	PHD	2015
Drexel University, Philadelphia, PA	Civil Engineering	MSCE	2007
Drexel University, Philadelphia, PA	Civil Engineering	BSCE	1998

Appointments

Assistant Professor, Thomas Jefferson University, Philadelphia, PA	8/20 - Current
Visiting Assistant Professor, Thomas Jefferson University, Philadelphia, PA	8/19 – 8/20
Senior Project Manager, Torcon Inc. Philadelphia, PA	6/18 – 6/19
Owner, Kimberlee Zamora Consulting	1/16 – Current
Senior Project Manager, WS Cumby, Springfield, PA	11/16 – 1/18
Research Assistant, NewBio Grant	9/13 – 9/15
Drexel University Freshman Engineering Design Fellow	9/13 – 4/14
Researcher, NSF EAPSI Fellowship - Japan	6/12 – 8/12
Drexel University Freshman Engineering Design Fellow	9/11 – 6/12
Graduate Teaching & Research Assistant, Drexel University	9/10 – 12/15
Senior Development Manager, Philadelphia Housing Authority, Philadelphia, PA	5/10 – 9/10
Project Manager, The Norwood Company, Malvern, PA	4/00 – 4/10
Project Engineer, Bovis Lend Lease, Princeton, NJ	7/98 – 4/00

Synergistic Activities

Member, Jefferson CABA DEI Committee 2021,2022,2023
Member, Jefferson CABA AOA Committee 2024
Chair, Volunteers & Greening Subcommittee, Member, Host Committee, USGBC Greenbuild Conference 2024
Member, International Society of Industrial Ecology (ISIE)
Co-Chair – ISIE Career Committee and Professional Development Subcommittee Chair 2022
Member, Professional Women in Construction (PWC)
Member, Connecting Committee 2023,2024
Member, General Contractors, and Builders Association (GBCA)
Judge, GBCA Construction Excellence Award 2021, 2022, 2023, 2024.
Member, Green Building United (GBU: Formerly, Delaware Valley Green Building Council (DVGBC))
Past Member, Educational Programs Committee, DVGBC
Past Co-Chair, Volunteer Committee, Chair Volunteer Recruitment Subcommittee, USGBC Greenbuild Conference 2013
Member, Delco New County Park Master Plan Advisory Committee. Delaware County, PA. Appointed 2022
Assistant Coach, Marlins Coach Pitch, Drexel Hill Little League 2021

Honors and Awards

2021 Provost Team Award for Interdisciplinary Education, 2021
Steven E. Giegerich Memorial Scholarship, 2014
The Kling Lindquist Partnership Engineering Fellowship, 2012, 2013

Engineering Design Education Fellowship, Drexel University, 2011, 2013
NSF EAPSI, JSPS Fellowship, 2012
Drexel University Travel Award 2012
Drexel University International Travel Award 2012
Best Presentation Award, Drexel University Engineering Graduate Research Symposium, 2012

Training Activities

Engaged in credentialing maintenance program for current LEED AP BD+C status
GBCA Technology Expo, Philadelphia, PA 2019
GBU (DVGBC) Sustainability Symposium, Philadelphia, PA 2009-2019,2020, 2021, 2022, 2023,24
GreenBuild Conference, Toronto, CA 2011, Philadelphia, PA 2013

Certifications

Harvard BOK Higher Education Teaching Certificate, August 2022.
Mindful Based Stress Reduction Graduate– Jefferson Myrna Brind Center of Integrative Medicine.
June 2022
Quality Matters Online Teaching Certificate December 2021
Mental Health First Aider Training 2020

Journal Articles

Marcellus-Zamora, K.A., Gallagher, P.M., Spatari, S. *Can Public Construction and Demolition Data Describe Trends in Building Material Recycling? Observations from Philadelphia* *Frontiers in the Built Environment*. 2020.

Marcellus-Zamora, K.A., Gallagher, P.M., Spatari, S., Tanikawa, H. *Estimating materials stocked by land use type in historic urban buildings using spatio-temporal analytical tools*. *Journal of Industrial Ecology*. 2015.

Conference Presentations

i3ce2024. Abstract accepted February 2024. Conference paper under review, April 2024. Abstract accepted, conference paper under review. 2024 *What do industry estimating cost data sources reveal about university urban building stock materials in Philadelphia USA?* 2024 ASCE International Conference on Computing in Civil Engineering, Re-Imagining Civil Engineering - Addressing the World's Most Pressing Problems.

icRS 2023 – Accepted speaker, August 2023. Zamora, K.A. *“Should we access industry data sources to inform building material stock analysis? A case study in Philadelphia is presented to find out.* Speaker 2023.

ISIE-SEM 2022, Virtual. September 19-21, 2022. Zamora, K.A. *“Revealing University Building Stock Materials Using Industry and Private Sources and Material Stock Analysis in Northeastern US City, Philadelphia”* Speaker 2022.

Gordon Conference – Industrial Ecology 2022, Newry, Maine. June 11-16, 2022. Poster Session. *“Utilizing construction cost estimating methods to describe material intensities for urban buildings, a*

case study in Philadelphia". Poster Presentation 2022.

ISIE Day 2021, Virtual. June 20-22, 2021. Zamora, K.A. Data, Methods, Challenges and Comparability Session. "*How Can We Take Advantage of Industry Data Sources to Assist Industrial Ecology Community to Better Define Materials and Building Assemblies for Use in MFA and MSA Studies?*". Speaker 2021.

ISIE Day 2021, Virtual. June 20-22, 2021. Zamora, K.A. Poster Presentation. "*How Can We Take Advantage of Industry Data Sources to Assist Industrial Ecology Community to Better Define Materials and Building Assemblies for Use in MFA and MSA Studies?*". Speaker 2021.

IEEE-ISSST 2012, Boston, MA. May 16-18, 2012. Marcellus, K.A., Spatari, S., Gallagher, P.M. *Construction Waste Management Decision Making Process: Identification, Framework and Detailed Urban C&D Waste Profile Analysis*. Speaker 2012.

Drexel Engineering Graduate Research Symposium, Philadelphia, PA. May 24, 2012. Presenter: Kimberlee Marcellus, LEED AP BD+C. Contributors: Sabrina Spatari, Patricia M Gallagher. *Construction Waste Management Decision Making Process: Identification, Framework and Detailed Urban C&D Waste Profile Analysis*.

IALCCE 2012, Vienna Austria. October 3-6, 2012. Marcellus, K.A., Spatari, S., Gallagher, P.M. *Utilizing GIS as a geospatial tool to inventory LEED Certified Buildings and Construction and Demolition (C&D) Waste Flows in the United States*. Speaker 2012.

Drexel Graduate Student Association, Books and Bagels. Philadelphia, PA. November 30, 2012. Marcellus, K.A. *Understanding Construction and Demolition (C&D) Waste Decisions and Distribution in Urban Environments*. Speaker 2012.

GEORISK 2011, Atlanta, GA. June 28, 2011. Life Cycle Approaches for Brownfields Redevelopment. Presenter Patricia Gallagher, Ph.D., P.E. Contributors: Sabrina Spatari, Ph.D. Kimberlee Marcellus, LEED AP, BD+C Civil, Architectural, and Environmental Engineering. Drexel University

Doctoral Thesis

Marcellus-Zamora, K.A. *An Evaluation of Material Stocks and Flows Found during Construction and Demolition Activities in the Philadelphia Region of the United States*. Drexel University. 2015.

Book Contracts

Routledge Book contracted May 2022 tbd May 2025. Author: Zamora, Kimberlee. *Women in construction, Tales from the field*

Poster Presentations

Gordon Research Conference ISIE-SEM - 2022

ISIE Day 2021

NEWBio Annual Meeting 2013, 2014

JSPS Multidisciplinary Science
Forum, March 2014 JSPS June
2012
Drexel University Research Day 2012, 2013

Feature Articles

Jefferson Nexus, March 2023. Hickey, Brian, *Women in Construction Management Make their Mark*. Featuring Dr. Kimberlee Zamora, Kylie Montanez, and Lindsey Peruto

Grid Magazine, June 2021. Issue 145. Mulcahy, Alex, *From Plans to Reality, In the male-dominated world of construction, these women are showing how it's done*. Featuring Dr. Gulbin Deniz and Dr. Kimberlee Zamora

Awarded Grants

Jefferson Nexus Learning Grant 4/2022-2023, Zamora, Kimberlee and Deniz, Gulbin. *Advanced Project Management (CMGT 612) Redesign*

Submitted Grant Proposals

AAUW Research Publication Grant 11/2020
Jefferson Nexus Learning Grant 2/2021

Proposals in progress

Routledge Book Proposal 2021. Author: Zamora, Kimberlee and Rudi, Lisa (contributor) *Approaches for Advanced Project Management, Lessons Learned from the field*

Journal Reviewer

Environment, Science & Technology, 2023
Resources, Conservation, and Recycling 2022
Journal of Industrial Ecology, 2014, 2015, 2016, 2018
IEEE Systems Infrastructure, 2015, 2019, 2021

Book Proposal Reviewer

Routledge 2020

Project Reviewer

GBCA judge: Construction Excellence Awards, 2021, 2022, 2023, 2024

Collaborators and Other Affiliations

Graduate Advisors – Dr. Sabrina Spatari and Dr. Patricia Gallagher 2010-2015
Undergraduate, Master's Advisor, Doctoral Thesis Committee Member – Dr. Joseph P. Martin 1993-2015

Research Collaborations

University of Cambridge, Civil Engineering Department. *Catalyzing New International Collaborations Planning Visit*, Doctoral Student Researcher, 2012
NSF grant # 1132960 NewBio, Research Assistant 2013-2015

USDA, NFA Agriculture and Food Research Initiative Competitive Grant No. 2012-68005-19703 from the USDA National Institute of Food and Agriculture 2013-2015
East Asia Pacific Summer Institute (EAPSI) National Science Foundation under Grant No. 1132960 and OISE-1209501 and JSPS SP12039 - June 2012

Academic Service

Faculty Internship Advisor – Thomas Jefferson University, Philadelphia, PA 2019 - Present
Undergraduate Advisor – Thomas Jefferson University, Philadelphia, PA 2019 – Present
First Year Advisor – CABE – Thomas Jefferson University, Philadelphia, PA 2022 – Present
Middle States Evaluator – Thomas Jefferson University, Philadelphia, PA 2021 – Present
UG Graduation Certifying Officer - Thomas Jefferson University, Philadelphia, PA 2021 – Present
Faculty Advisor, Jefferson Society of Construction Managers – Thomas Jefferson University, Philadelphia, PA 2019 – Present
Member, CABE D&I Committee - 2021
Member, CABE Forming Committee – D&I Committee – 2020-2021
Board Member – Drexel Graduate Women in Engineering, Philadelphia, PA 2009,2010
Member of REU Panel – Women in Engineering – Drexel University, Philadelphia, PA July 28, 2011