UTSA The University of Texas at San Antonio
School of Architecture and Planning
SA+P
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Farzad Hashemi

Courses Taught:

- Spring 2024: ARC 5723 – Applications in Sustainable Design
- Fall 2023: ARC 5733 – Advanced Building Technology and Sustainability

Educational Credentials:

- Ph.D. in Architecture with a focus on Sustainability (The Pennsylvania State University, 2023)
- Master of Science in Architecture (Iowa State University, 2018)
- Master of Architecture (Politecnico di Milano University, Italy, 2015)
- B.A. in Architecture (Shahid Bahonar University of Kerman, Iran, 2012)

Teaching Experience:

- School of Architecture and Planning (UTSA, 2023 – present)
- Stuckeman School of Architecture and Landscape Architecture (The Pennsylvania State University, 2019 – 2022)

Professional Experience:

- Full Time Architect & Urban Planner ("Shahr & Andisheh Mana" Urban Planning Office, Kerman, Iran, 2015 -2017
- International & Professional Freelancer (Architectural design, 3D Visualization, Technical Drawing, 2012 -2015)

Licenses/Registration: N/A

Selected Publications and Recent Research:

- **Hashemi, F.**, Mills, G., Poerschke, U., Iulo, L. D., Pavlak, G., & Kalisperis, L. (2024). A novel parametric workflow for simulating urban heat island effects on residential building energy use: Coupling local climate zones with the urban weather generator a case study of seven U.S. cities. *Sustainable Cities and Society*, *110*, 105568. https://doi.org/https://doi.org/10.1016/j.scs.2024.105568
- **Hashemi, F.**, & Adib, M. (2024). Examining thermal inequities: Land surface temperature, social vulnerability, and historical redlining in San Antonio, TX. *Urban Climate*, *55*, 101960. https://doi.org/https://doi.org/10.1016/j.uclim.2024.101960
- **Hashemi, F.**, Poerschke, U., Iulo, L. D., & Chi, G. (2023). Urban Microclimate, Outdoor Thermal Comfort, and Socio-Economic Mapping: A Case Study of Philadelphia, PA. *Buildings*, *13*(4). https://doi.org/10.3390/buildings13041040
- **Hashemi, F**., Ghiasi, S., Salehi, N., & Passe, U. (2024). Comparative Analysis of Urban Heat Island Effects on Building Energy Consumption in the U.S. Midwest: A combined workflow using Urban Weather Generator and Future Typical Meteorological Year Climate Scenarios, PLEA 2024 WROCŁAW: (Re)thinking Resilience.
- **Hashemi, F**., Iulo, L. D., & Poerschke, U. (2022). A parametric investigation of canopy heat islands mitigation strategies: A case study of a new residential development master plan of a U.S. north-eastern city. In Proceedings of the 6th Biennial Residential Building & Construction Conference.
- **Hashemi, F**., Poerschke, U., & Iulo, L. D. (2020). A novel approach for investigating canopy heat island effects on building energy performance: A case study of Center City of Philadelphia, PA. In Proceedings of AIA/ACSA Intersections Research Carbon Conference: CARBON.

Professional Memberships: N/A