

MEHDI AZIZKHANI, PH.D., LEED AP BD+C

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EDUCATION

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| Spring 2019 | Ph.D. in Architecture
Certificate in Health Systems and Design, Texas A&M University.
Dissertation Topic: <i>Investigating the Level of Application/Education of Natural Systems in the Design of Sustainable Buildings in the US</i>
(Recipient of Texas A&M University Dissertation Fellowship Award) |
| Spring 2014 | Master of Science in Historic Preservation
Graduate Portfolio Program in Sustainability, University of Texas at Austin. |
| Spring 2008 | Master of Urban Design, Tehran University, College of Fine Arts |
| Spring 2005 | Bachelor of Architecture, Isfahan University of Arts |

PROFESSIONAL

EXPERIENCE

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| Spring 2022-Present | Adjunct Faculty, School of Architecture, Prairie View A&M University |
| Fall 2019-Spring 2020 | |
| 2022-Present | Senior Research Engineer, Texas A&M Energy Systems Laboratory |
| 2021-2022 | Research Engineer, Texas A&M Energy Systems Laboratory |
| 2019-2021 | Postdoctoral Researcher, Texas A&M Energy Systems Laboratory |
| 2014-2018 | Instructor, College of Architecture, Texas A&M University |
| 2012-2014 | Teaching Assistant, School of Architecture, University of Texas at Austin |
| 2005-2014 | Freelance Architectural Designer and Supervisor in Housing and Commercial Projects, Isfahan |
| 2010-2011 | Architect/Construction Supervisor, Technical Design/Development Center of Isfahan University of Technology |
| 2008-2010 | Urban Designer, Urban Renovation Organization, Isfahan Municipality |
| 2007-2011 | Adjunct Lecturer, Isfahan University of Arts |

PEER-REVIEWEDPROCEEDINGS/PUBLICATIONS

(Selected)

- 2022 Azizkhani, M. (forthcoming) Architecture inspired by nature: a transdisciplinary approach from theory to practice, book chapter in *Integrated Science*, Vol.2, Springer Nature.
- 2021 Azizkhani, M. and Haberl, J. Assessment and Discussion of the Level of the Application of Passive/Natural Systems by Practitioners in the US. *Science and Technology for the Built Environment*, Taylor & Francis. <https://doi.org/10.1080/23744731.2020.1783961>
- 2020 Azizkhani, M. (2020) Education of Passive Systems in the US Architecture Schools: from the Conceptual Level to the Levels of Simulation and Calculation. 2020 Building Performance Analysis Conference and SimBuild by IBPSA/ASHRAE, Chicago, August 12-14
- 2019 Azizkhani, M. (2019). "Philip Johnson's Design at GAI: From A Dispute Between Tradition and Modernity to A Dialogue" in *Architectural Dynamics in Pre-Revolutionary Iran: Dialogic Encounter between Tradition and Modernity*, (ed. M. Gahripour), UK: Intellect.
- 2018 Azizkhani, M., and Baltazar, J.C. (2018). Integrating Modeling and Simulation Tools with Learnings from Nature: A Methodology for Form Generation by Emulating the Constructal Law of Nature, 2018 Building Performance Analysis Conference and SimBuild by IBPSA and ASHRAE, Chicago, September 26-28. (Recipient of the IBPSA-ASHRAE travel scholarship award).
- 2017 Azizkhani, M. (2017). Between the Past and the Future: Philip Johnson's Design Thinking and Practice at GAI, Isfahan, Iran, *International Journal of Islamic Architecture*, 6: 1, pp. 121-48, doi: 10.1386/ijia.6.1.121_1
- 2017 Azizkhani, M. (2017). A Practical Framework for the Incorporation of Natural Heating, Cooling, and Lighting Systems into the Design of Sustainable Buildings. Poster Presentation, Clean Air Through Technology and Energy Efficiency (CATEE) Conference, Dallas, TX, November 13-15. (Award winning poster).

- 2017 Zomorrodian, M., Azizkhani, M. and Beltran, L. (2017). Evaluation of Thermal and Visual Comfort in University Classrooms: The Cases of Two LEED Silver Certified Buildings on the Campus of Texas A&M University, ASHRAE 2nd International Conference on Energy and Indoor Environment for Hot Climates, Doha, Qatar, February 26-27.
- 2016 Azizkhani, M. (2016). *Naqsh-i-Jahan Square: A Living Preservation Lab Questions Identity*. SAH 69th Annual International Conference, Pasadena, CA, April 6-10. (Recipient of the SAH fellowship award).
- 2016 Azizkhani, M. (2016) *A New Approach for Designing Buildings' Thermal-Visual Envelopes and HVAC Components: Between Biomimetic and Technological Solutions*. Poster Presentation, CATEE Conference, San Antonio, Texas, December 19-21 (Award winning poster).
- 2015 Azizkhani, M. (2015). *Biomimicry versus Machinery: The Notion of Functionality in Design*. Architectural Science Association 49th International Conference, Melbourne, Australia, December 2-4 (Winner of the conference travel award).
- 2015 Azizkhani, M. (2015). *Modern Landscape Architecture: The Persian legacy of the 1970s*. Society of Architectural Historians' 68th Annual Conference, Lightning Talks, Chicago, IL, April 15-19.
- 2014 Azizkhani, M. (2014). *Biomimicry: Design Opportunities and Challenges*. Annual Sustainability Symposium, University of Texas at Austin, TX, April 4.
- 2012 Bahrainy, H, and Azizkhani, M. (2012) Institutional Barriers to the Application of Urban Village as a Tool for Achieving Urban Sustainability in Developing Countries--the case of Asheghabaad, Isfahan. *ISC Armanshahr Journal*, No.8.