

Dalia Osama Hafiz

Academic Rank

Assistant Professor (College of Architecture, Art, and Design)

Qualifications

- Virginia Polytechnic and State University (Virginia Tech), Blacksburg, USA May 2016, Doctor of Philosophy, School of Architecture and Design (A+D), Major: Building Design Research
- Virginia Polytechnic and State University (Virginia Tech), Blacksburg, USA May 2011, Master of Architecture, School of Architecture and Design (A+D), Major: Architecture and Design
- Virginia Polytechnic and State University (Virginia Tech), Blacksburg, USA August 2010, Graduate teaching (GTA) workshop, Graduate School
- Workshop details: GTA Workshop | Graduate School | Virginia Tech (vt.edu)
- Alexandria University, Alexandria, Egypt July 2007, Bachelor of Science in Architecture Engineering, Department Architecture, Major: Public buildings

Research field(s)

- Sustainable Design
- Building refurbishment
- Design for Low Vision
- Green Architecture • Occupants Comfort • Design for the Elderly
- Urban Planning
- Architecture Education
- Wayfinding
- Architecture of Smart Cities
- Daylighting
- Dynamic Glare and its Graphical representation
- Environmental Design
- Visual Comfort
- Design Decision-making
- Interior Design Trends
- Museum Experience
- User Experience Design
- Human Behavior in Architecture

Publications *(Last five years)*

- Hafiz, D., & Zohdy, I. (2022). Smart Cities in the Autonomous Era: How Autonomous Technologies Can Change the City Design and Infrastructure, *Advances in Science, Technology and Innovation*
- Yasmeen Gul 1, Gul Ahmed Jokhio, Zahid Sultan, John Alexander Smith, Wan Saiful Nizam Mehdi Moeinaddini and Dalia Hafiz (2022). The Effects on Neighborhood Environments during Lockdowns: Being Comfortable in Residences
- Hafiz, D., & Zohdy, I. (2021). The City Adaptation to the Autonomous Vehicles Implementation: Reimagining the Dubai City of Tomorrow. In *Towards Connected and Autonomous Vehicle Highways* (pp. 27-41). Springer, Cham.
- Gul, Y., Hafiz, D., & El-Basel, M. (2021). A Comparative Analysis of Old and New Sustainable Developments In Middle Eastern Countries. *Design Engineering*, 1554-1571.
- Hafiz, D.(2021). Architecture Education Challenges in the Pandemic Era, In: Z. Adil (ed.), *AMPS Proceedings Series 23.1. Online Education – Teaching in a Time of Change*, Virtual. 21.
- Hafiz, D., & Mhatre, V. (2020). Enhancing Occupants' Well-Being Through Qualitative Indoor Environments. In *Architecture and Urbanism: A Smart Outlook* (pp. 173-183). Springer, Cham.
- Hafiz, D. (2020). Improving Occupants Comfort Through Qualitative Indoor Environments: A Case Study. In *Cultural, Theoretical, and Innovative Approaches to Contemporary Interior Design* (pp. 387-404). IGI Global.
- Hafiz, D. O., & Zohdy, I. H. (2019). Re-imagining the Architecture of the City in the Autonomous Vehicles Era. In *Joint International Conference on Design and Construction of Smart City Components* (pp. 278-286). Springer, Cham.
- Hafiz, D. (2019). To Use or Not to Use: A survey questionnaire on the integration of day lighting simulation tools in the design process. *WEENTECH Proceedings in Energy*. 67-74. 10.32438/WPE.54181.
- Hafiz, D. (2017). Improving Interior-Design Decision-Making in Daylit Spaces: A Case Study. In *Design Innovations for Contemporary Interiors and Civic Art* (pp. 368-388). IGI Global.
- Hafiz, D. O., & Zohdy, I. H. (2016). Wayfinding improvement in metro stations using dynamic lighting environment, *Transportation research board, TRB* (No. 16-5600).
- Hafiz, D. O. (2016). Improving Design Decision-Making through a Re-Representation Tool for Visual Comfort Consideration in Dynamic Daylit Spaces (Doctoral dissertation, Virginia Tech).

Courses Taught *(Last five years)*

- Various Studio Levels
- Introduction to Interior Design
- Colors
- Professional Practice (introductory and advanced)
- Research
- History of Architecture and Design
- Capstone Projects
- 3D Modeling
- Architecture Drafting
- Sustainable Design
- Freehand Drawing
- Building Systems

Professional Experience

- Assistant Professor, Program Coordinator, Head of Architecture Program, College of Architecture and Design, Al-Ghurair University, Dubai, United Arab Emirates, (Aug 2017- Aug 2022).
- Adjunct Professor, College of architectural engineering, Future University in Egypt, Cairo, Egypt, (Aug 2016- Aug 2017).
- Research/Teaching Assistant/Assistant Dean, Virginia Polytechnic and State University (Virginia Tech), Blacksburg, USA, (Aug 2010–May 2016).
- Architect – Clark Nexsen Architecture and Engineering, Roanoke VA, USA (Aug 2008–May 2009).
- Teaching Assistant– Future University in Egypt (FUE), Egypt Aug 2007 –Aug 2008.
- Architect– Afniah Consulting, Egypt Aug 2007 –Aug 2008.

Committees Work

- Outreach and research committee, chair
- Integrities committee, member
- Curriculum development and assessment committee, member
- External relations and workshops committee, chair
- Search committee, member
- Curriculum development committee, member

Honors and Awards

- Solar Decathlon Middle East environmental design and construction competition team finalist (Expo2020)
- Best Research Award, Virginia Polytechnic and State University (Virginia Tech) (twice 2013 and 2016)
- LEED Green Associate- U.S. Green Building Council (USGBC) (2016-Present)
- The Richard Kelly Grant and award in Lighting Research Excellence (2015)
- RCI (International Building Envelope Consultant) outstanding student research award (2012)
- Annual Distinguished Undergraduate Student Award – for four consecutive years (2002 to 2006)

Other Contributions and Achievements

- Frontier of Architecture research committee peer reviewer (2018-present)
- Jury Member, Graduation Project, Sharjah University (2017-Present)
- Jury Member, Graduation Project, American University in Dubai (2020-Present)
- Member of the Egyptian syndicate (2007-Present)
- Public speaking (National Radio program in GCC) (2019)