

Alireza Jahanara

Courses Taught (Four semesters prior to current visit): - Environmental Systems - Kinetic Facade Systems - Advanced Daylighting Design and Analysis - Building Performance Modeling and Simulation - Design 3 - Design 4 - Architectural Lighting Design - Master's Thesis - Independent Study

Educational Credentials: - Ph.D. in Engineering-based Architecture, Sapienza University, Rome, Italy, Nov 2014 - Feb 2018 - Ph.D. Visiting Scholar, Texas A&M University, USA, May 2017 - Jan 2018 - Master of Science (M.S.) in Architecture, Eastern Mediterranean University, Sep 2011 - Jul 2013 - Bachelor's Degree in Architecture, Islamic Azad University of Birjand, Oct 2007 - Nov 2010 - Associate Degree in Architecture, Mashhad Institute of Technology, Sep 2004 - Jul 2007

Teaching Experience: - Senior Lecturer and Researcher, University of Texas at San Antonio (UTSA), September 2022 – Present - Lecturer and Researcher, University of Texas at San Antonio (UTSA), August 2019 - September 2022 - Assistant Lecturer, Faculty of Engineering, Sapienza University, Rome, Italy, Oct 2015 - Feb 2018 - Full-Time Assistant Lecturer, Eastern Mediterranean University, Cyprus, Sep 2013 - Sep 2014

Professional Experience: - Architectural Designer, Mike Hollaway Custom Homes, San Antonio, Texas, Feb 2019 - Present - Architectural Designer, DaaDgroup Co., Rome, Italy, Feb 2016 - Jan 2019 - Senior Architect, Döveç Construction Co., Cyprus, Sep 2012 - Sep 2013 - Junior Architect, Shahafarin Pars Consulting Engineers Co., May 2008 - May 2009

Selected Publications and Recent Research: - Jahanara, A., Suk, J.Y. (2023). "Glazing Systems with Different Light Transmissions Towards Optimizing Daylight in Office Buildings." ARCC 2023 INTERNATIONAL CONFERENCE IN DALLAS, April 12-15, 2023, Dallas, Texas. Pg. 361-365, vol 1. ISBN: 978-1-935129-33-2. - Jahanara, A., Suk, J.Y. (2023). "Parametric Design and Analysis of Dynamic Louver for Optimized Daylighting in High-Rise Office Buildings." CAADRIA2023, 28th International Conference of the Association for Computer-Aided Architectural Design Research in Asia, 18-24 March 2023. - Jahanara, A., Kalantar, N. (2018). "Kinetic Shading Systems: A parametric approach to optimizing daylighting performance." Facade Tectonics Institute, March 2018, 13-12 in Los Angeles Hosted by the University of Southern California, Pg. 447-458, vol 1. ISBN: 1882352463-978. - Jahanara, A., Fioravanti, A. (2017). "Kinetic Shading System as a means for Optimizing Energy Load: A NAAB Template for Faculty Resumes (limit 1 page/individual)

Parametric Approach to Optimize Daylight Performance for an Office Building in Rome." 35th ecaade conference, Pg. 240-231, vol 2. ISBN: 6-13-91207-94-978. - Jahanara, A., Fioravanti, A. (2016). "Façade louvers for optimizing energy load and lighting quality in Mediterranean region." 11th Conference on Advanced Building Skins, 11-10 October 2016, Bern, Switzerland. ISBN: 8-98120539-3-978. - Jahanara, A., et al. (2014). "Vernacular Architecture as a Strategy toward Sustainable Building Design." International Journal of Engineering Research & Technology (IJERT), Vol. 3, Issue 6. ISSN: 0181-2278. - Abdali Hajiabadi, S., Jahanara, A., Arfaei, A. (2014). "An Investigation of the Energy Saving of Windows in Halil Raif Özmuhtar Apartment, Salamis Yolu, Famagusta, Northern Cyprus." International Journal of Contemporary Architecture "The New ARCH" Vol. 1, No. 2. ISSN: 7688-2198. - Karimizade, A., Jahanara, A., et al. (2014). "High-Performance Building by using Sustainable Materials." International Journal of Engineering Research & Technology (IJERT), Vol. 3, Issue 6. ISSN: 0181-2278.