Alp Tural

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1325 Perry Street, Blacksburg VA 24061
alp@vt.edu

Education and Research Background

Doctor of Philosophy, in Environmental Design and Planning, Arizona State University, Tempe, Arizona, August 2011
> Dissertation: A Diagnostic Tool for Assessing Lighting in Buildings: Investigating Contrast-Luminance Relationships through High-Dynamic-Range Image Based Analysis

Doctor of Philosophy, in Art, Design and Architecture, Bilkent University, Ankara, Turkey, January 2006
> Dissertation: An Approach to Integrate Lighting Concepts into Interior Design Studios: A Constructivist Educational Framework

Master of Fine Arts, in Interior Architecture and Environmental Design, Bilkent University, Ankara, Turkey, September 2001
> Thesis: Monument Lighting

Bachelor of Fine Arts, in Interior Architecture and Environmental Design, Bilkent University, Ankara, Turkey, June 1999

Teaching Experience

Assistant Professor, School of Architecture + Design, Interior Design Program, Virginia Tech, Blacksburg, VA
August 2020 –
> ITDS 4044 Interior Design V
> ITDS 2044-2054 Interior Design I & II
> ITDS 3175 Building Systems for ID
> ITDS 3184 Construction Documents for Interiors

Adjunct Instructor, School of Architecture + Design, Interior Design Program, Virginia Tech, Blacksburg, VA
August 2019 – May 2020
> ITDS 2044-2054 Interior Design I & II
> ITDS 3175 Building Systems for ID

Teaching and Research Interests

Building codes
Thermal Comfort
Architectural Lighting (natural and electric)
Lighting Design Analyses
Eye tacking and virtual reality as they relate to spatial perception

Select publications

Refereed journal articles

Tural, E., & Tural, M. (manuscript under review). Lighting distribution analyses in senior residential environments: An HDR-based analysis technique to evaluate and improve nighttime circadian lighting.

Tural, E., & Tural, M. (2014). Luminance contrast analyses for low vision in a senior living facility: A proposal for an HDR image-based analysis tool. *Building & Environment* 81, November: 20-28. DOI:10.1016/j.buildenv.2014.06.005

Tural, M. & Yener, C. (2006). Lighting Monuments: Reflections on Outdoor Lighting and Environmental Appraisal. *Building and Environment*, 41(6), 775-782.

Conferences

Tural, M. (2022). Webcam-Based Eye Tracking in Interior Design Research: Preliminary Research Design Outcomes and Lessons Learned. Regional Interior Design Educator Council Symposium, October 6-7 2022, Spartanburg, SC.

Tural, M, Tural, E. (2022). Lighting distribution analyses in low-light indoor settings: An HDR-based analysis to improve night-time lighting design solutions for seniors and the visually impaired. Poster presentation at the 2022 Illuminating Engineering Society (IES) Research Symposium, Light + Intelligence. Orlando, FL (April 10-12).

Tural, E., Tucker, L., Tural, M., & Whitney, B. (2021). Studio Culture and Effectiveness of Online and Blended Studio Teaching and Learning in the Times of Coronavirus. In 2021 Interior Design Educators Council (IDEC) Annual Conference. Virtual.

Thesis and dissertations

Tural, M (2011). A Diagnostic Tool for Assessing Lighting in Buildings: Investigating Luminance Contrast Relationships Through High-Dynamic-Range Image Based Analysis (Doctoral dissertation, Arizona State University, 2011). *Dissertation Abstracts International, 72,* 10.

Tural, M. (2006). An approach to integrate lighting concepts into interior design studios: A constructivist educational framework (Doctoral dissertation, Bilkent University, 2006). *Dissertation Abstracts International, 57*, 02.

Tural, M. (2001). Monument Lighting. Unpublished Master's Thesis. Bilkent University, Ankara, Turkey.

Grants and Awards

Virginia Tech, ICAT Mini SEAD Grant Fall 2022 Intersecting Interior Design with Virtual Reality: Exploring Visual Stimuli Interventions for Creating Restorative Virtual Reality Environments, USD $6,000 (10/2022-10/2023), Principal Investigator: Tural M.

Virginia Tech, Learning human centered design through environmental assessments, Center for Excellence in Teaching and Learning, USD 1,750.00 (05/26/2022 - 03/15/2023), Principal Investigator: Tural M.

Virginia Tech, Pedagogical interventions to enhance Building Systems course learning outcomes, Center for Excellence in Teaching and Learning, USD 1,880.34 (05/26/2021 - 03/15/2022), Principal Investigator: Tural M.

New Faculty Mentoring Grant, Office of the Executive Vice President and Provost, USD 1,500 (07/15/2021 - 07/15/2023), Principal Investigator: Tural M.

A systematic analysis of spaciousness in interior environments using eye tracking, Institute for Society, Culture and Environment, USD 2,175 (12/20/2021 - 06/15/2022), Principal Investigators: Tural M.

Computer Applications

Autodesk Revit, Autodesk Recap, Enscape3D, Twinmotion, AGI32 Lighting Analyst, DIALux, Radiance (novice), Adobe Suite.