

Azadeh Sawyer

Assistant Professor at Carnegie Mellon University

Pittsburgh, PA, US

Azadeh Omidfar Sawyer's interdisciplinary research focuses on quantitative and qualitative methods to evaluate building envelopes.

Biography

Azadeh Omidfar Sawyer's interdisciplinary research focuses on quantitative and qualitative methods to evaluate building envelope, its effect on lighting, and occupants' comfort and visual impressions. One goal is to address how 'green' design can result in comfortable and aesthetically pleasant design. Sawyer focuses on evaluating and minimizing the discrepancies between the design of an envelope compared to the actual experience of it. This can be achieved by bridging the gap between building technology, design quality, and by humanizing data through the use of immersive visualizations such as VR.

Industry Expertise

Architecture and Planning, Construction - Commercial, Construction - Residential, Energy

Areas of Expertise

Green Design, Building Envelope, Design Quality, Virtual Reality, Immersive Visualization Systems

Education

University of Michigan

Ph.D. Architecture

University of Michigan

M.S. Architecture

Harvard University:

M.S. Design Studies

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