

Ph.D., FEIA, LEED <sup>AP</sup>  
 Professor of Architecture  
 Director, HiPE Lab

Department of Architecture  
 The University of Oregon  
 370 Lawrence Hall  
 1206 University of Oregon  
 Eugene, OR 97403-1206

P: +1. 541. 346. 3670  
 M: +1. 541. 513. 3590  
 F: +1. 541. 346. 3626  
 E: [ihab@uoregon.edu](mailto:ihab@uoregon.edu)

## Education

- **Doctor of Philosophy in Architecture (Ph.D.), 2001**  
 School of Architecture and Urban Planning, The University of Wisconsin-Milwaukee  
*Dissertation title: "Ten Palaces Tell their Stories: Environmental Quality Assessment of Offices Inside Adaptively Reused Historical Palaces."*  
Published Dissertation - UMI #072699
- **Master of Science in Architecture (M.Sc.), 1996**  
 The Pennsylvania State University. Environmental Design/Major, Environmental Psychology/Minor. *Thesis title: "The Effect of Tilted Windows on Occupants' Visual Comfort in Non-Orthogonal Office Spaces."*
- **Professional Certificate in Project and Facility Management (C.P.M.), 1990**  
 American University in Cairo
- **Graduate Diploma in Architectural Engineering (Dipl. Eng.), 1990**  
 Ain Shams University - Cairo (Major: Energy Conservation and Passive Architecture).
- **Bachelor of Architecture (B. Arch.), 1988**  
 Ain Shams University-Cairo (Dean's Honor & Distinction in B.Arch. Thesis).

## Professional Memberships

- ARCC Board member, Architecture Research Centers Consortium
- SBSE Past Board Member, Society of Building Science Educators
- FEIA Fellow, Egyptian Institute of Architects
- FEES Fellow, Egyptian Engineering Society
- USGBC Member, US Green Buildings Council
- WELL Member, WELL Standards Approved Survey Committee
- IESNA Member, Illumination Engineering Society of North America
- ASHRAE Member, American Society of Heating Refrig. & Air Cond. Engineers
- ACSA Member, American Collegiate Schools of Architecture
- EDRA Member, Environmental Design Research Association

## Administrative Positions

- 2008-Date: **Principal**  
 Innovative Invironments, LLC
- 2007-Date: **Founding Director, High Performance Environments Lab (HiPE), and Facade Integrated Technologies Facility (FIT)**, School of Architecture and Environment, University of Oregon
- 2019-Date: **Board Member, Net-Zero Energy Fellowship**  
 Energy Trust of Oregon
- 2019-Date: **Director-At-Large**  
 Architecture Research Centers Consortium, USA
- 2019-Date: **Director - Rome Architectural Program**  
 Department of Architecture, University of Oregon, Rome, Italy.
- 2019-2022: **Voting Member (Elected) - Graduate Council**  
 The Graduate School, University of Oregon
- 2018-2022: **Director of Graduate Studies**  
 School of Architecture and Environment, University of Oregon
- 2018-2022: **Chair, Graduate Studies Committee**  
 Department of Architecture, University of Oregon, Eugene, OR
- 2018-2022: **Member, Architecture Administrative Council**  
 Department of Architecture, University of Oregon, Eugene, OR
- 2017-2019: **Chair, Faculty Personnel Committee**  
 Department of Architecture, University of Oregon, Eugene, OR
- 2012-2014: **President Elect**  
 Society of Building Science Educators
- 2007-2008: **Director - Rome Architectural Program**  
 Department of Architecture, University of Oregon, Rome, Italy.
- 1999-2001: **Project Manager**  
 Heschong Mahone Group, Sacramento, CA.
- 1990-1994: **Project Architect - Project Leader**  
 Engineering Consultant Group, SA - Cairo, Egypt

## Academic Positions

- 2017-Date: **Full Professor of Architecture** Department of Architecture, The University of Oregon. Teaching and Research in Sustainable Architecture and High Performance Building Design with specific interest in impacts of green building design on Occupant Health and Well-being. Recent projects focus on Lighting and Daylighting Impacts on Human Health and Productivity. Green Schools and Active Envelope Research. Teaching duties include Architectural Design Studios, Environmental Control Systems, High Performance Building Design and Evaluation, Building Performance Simulation and Verification, as well as Daylighting/Lighting Research and Design.
- 2007-2016: **Associate Professor of Architecture**, The University of Oregon  
Member, Baker Lighting Laboratory  
Member, Institute for a Sustainable Environment
- 2001-2006: **Assistant Professor of Architecture**, The University of Oregon  
Faculty Member of: Center for Housing Innovation, Oregon Solar Energy Center, Baker Lighting Lab, and Oregon Survey Institute
- 2000-2001: **Instructor/Consultant**, Energy Design Resources  
Teaching and design assistance workshops for architects to design energy effective commercial buildings in California.
- 1999-2000: **Senior Research Assistant**, School of Architecture and Urban Planning, University of Wisconsin-Milwaukee  
Involved in the *Vital Signs Building Environment Lab* project and the architectural programming of the *Wisconsin Hope Lodge* facility.
- 1998-1999: **Studio Instructor**, The School of Architecture and Urban Planning, University of Wisconsin-Milwaukee  
Teaching beginning design studios and an advanced seminar on architectural lighting and acoustical design.
- 1997-1998: **Research Fellow**, The American Research Center in Egypt  
Conducting research on adaptive reuse of historical buildings.  
**Research Assistant**, Johnson's Controls Institute for Environmental Quality in Architecture, University of Wisconsin-Milwaukee.
- 1995-1997: **Doctoral Teaching Assistant**, (GTF equivalent). School of Architecture and Urban Planning, University of Wisconsin-Milwaukee  
Taught Design Studios (sole responsibility), Building Technology, Environmental Control Systems, and Research Methods in Architecture.
- 1994-1995: **Research Fellow**, Penn State University, University Park, PA  
Research/design of a Zero Energy House, Pennsylvania - USA.

## Design Practice Positions

- 1988-Date: **Registered Architect & Engineer** (Egypt #9086),  
LEED<sup>AP</sup> BD+C, Building Design + Construction (GBCI#: 0010456171)
- 2008-Date: **Principal**, Innovative Invironments, LLC. Design and consulting services on various projects with an emphasis on: Sustainable architecture, high performance buildings, lighting and daylighting design, energy and resource effective design and construction, LEED certification as well as building performance, daylighting, and IEQ simulation, design analysis, and verification.
- 2001-2008: **Associate Principal**, *integrated Design iD Consult Studio*  
Design and consulting services on various projects with an emphasis on: integrated design and sustainable architecture, environmental design analysis, adaptive reuse of buildings, with experience on commercial and health care settings as well as multi-family residential design.
- 1999-2001: **Project Manager**, *Heschong Mahone Group, Sacramento, CA*  
Research and professional consulting with a focus on building energy effectiveness. Managed various projects that ranged from building design and construction technology to building performance and productivity research for major utilities and government agencies.

- 1997-1998: **Consultant and Project Architect**, *FulBright Binational Commission*  
Preservation planning with the working committee of the Binational FulBright Foundation Commission for adaptive reuse and environmental rehabilitation of historical palaces in Cairo, Egypt.
- 1988-1994: **Senior Architect**, *Engineering Consultants Group (ECG), Egypt*  
Team Leader and Project Manager for a number of projects and facilities, examples include: Office Buildings, Banks, Country Clubs, Hotels, High Rise Buildings, Garage Parks, and Schools.
- 1988-1998: **Free Lance Architect & Interior Designer**, *Ihab Elzeyadi Designs*  
Design and construction supervision for a number of high-end residential interiors, a multifamily housing complex, and a Mosque.
- 1984-1988: **Intern Architect**, *various firms.*
- Helmut, Gieger & Jahn - Karlsruhe, Germany.
  - SOGEA - Cairo, Egypt - Site Architect, Metro Project.
  - YHCC - Cairo, Egypt - Site Intern Architect, Multi Family Housing.
  - Maghlouf Group - Cairo, Egypt - Intern Designer.

### Honors & Awards

- 2022: **Best Paper Award, EDRA 53** Conference. Health in All Design, June 1-4, 2022, Greenville, SC, USA.
- 2021: **Solar Decathlon Grand Prize and First Place Award.** Faculty advisor and sponsor for the first place gold medal winning entry of the Department of Energy / Solar Decathlon Design Competition for the Net-Zero Schools Division and the Grand Jury Prize winner for all commercial building divisions. A historical win as the first faculty to win the first prize and grand jury award two-years in a row.
- 2020: **Solar Decathlon Grand Prize and First Place Award.** Faculty advisor and sponsor for the first place gold medal winning entry of the Department of Energy / Solar Decathlon Design Competition for the Net-Zero Schools Division and the Grand Jury Prize winner for all commercial building divisions.
- 2018: **Energy Trust of Oregon - Net-Zero-Building Fellow.**
- 2016: **Robert L. Thompson/TVA Architects Award - Design Studio Award for Resilient Eugene: Place of Making and the Making of Place.**
- 2012: - **World Congress for Design and Health**, Research Commendation Award.  
- **International Building Technologies Conference**, Riyadh, Saudi Arabia. Research Excellence Award.  
**American Institute of Architects**, Research Application Award.
- 2009: - **Passive and Low Energy Architecture (PLEA)**. Best paper Award.  
- **Mulvanny G2 Architects**, Research Excellence Award.
- 2008: **Summer Research Award**, University of Oregon.
- 2006: **Faculty Educational Technology Awards**, University of Oregon, Summer Advanced Multimedia Workshop.
- 2005: - **Oregon Survey Research Lab (OSRL) Faculty Fellow**, University of Oregon.  
- **AA&A Foreign Travel Award**, University of Oregon, Spring 2005.
- 2004: - **Teaching Effectiveness Program Award**, University of Oregon. "Awakening Scholars: Student Learning Teams in Undergraduate Research"  
- **APRU Fellowship**, University of Oregon faculty fellow representative for the Association of Pacific Rim Universities (APRU) 5th Annual Fellows Program, "Globalization and the Environment: Multi-disciplinary Perspectives." Santa Barbara, CA and Osaka, Japan.  
- **Faculty Research and Development**, Graduate School, University of Oregon.
- 1999: **SARUP Research Award**, Center for Architecture and Urban Planning, School of Architecture and Urban Design, University of Wisconsin.
- 1998: - **ARCE Fellow**, American Research Center in Egypt  
- **Fulbright Fellow**, Binational Fulbright Commission Advisory Committee.  
- **Member**, Historic Cairo Preservation Working Committee, For Dr. Shehata, Cairo Governor, Cairo - Egypt.

- 1997: - **First Place, Graduate Research Award, The Pennsylvania State University**, Grand Winner of the Twelfth Annual Research Competition.  
 - **Research Award**, International Facility Management Association (IFMA), South Eastern Wisconsin Chapter.  
 - **Haworth Research Award**, IFMA Foundation/Haworth Discovery Institute Research Awards.  
 - **CAUPR Research Award**, Center for Architecture and Urban Planning, School of Architecture and Urban Design, University of Wisconsin.
- 1996: - **First Place, Vital Signs Case Study Competition Award**, University of California-Berkeley, Center for Environmental Design Research.  
 - **CAUPR Research Award**, Center for Architecture and Urban Planning, School of Architecture and Urban Design, University of Wisconsin.  
 - **Gaylord Nelson Award**, Research Excellence in Sustainable Design, Earth Day, University of Wisconsin - Milwaukee.
- 1993: **Traveling Award**, Engineering Consultants Group, Cairo - Egypt.
- 1988: - **Academic Distinction Award**, Egyptian Society of Architects, Cairo - Egypt.  
 - **Best B.Arch. Project**, Society of Architectural Engineers, Cairo - Egypt.  
 - **Honor of Scientific Distinction**, Heliopolis Sporting Club, Cairo - Egypt.
- 1983: **Academic Achievement Award**, Heliopolis Rotary, District 2450.

### Honors & Awards for Students' Advisee

- 2022: **Semi-Finalist Award, US Department of Energy / Solar Decathlon Design Competition**, Educational & Commercial Buildings Division, 2022.
- 2021: **First Place: US Department of Energy / Solar Decathlon Design Competition Grand Jury Award: Solar Decathlon Design Competition**: First Place Gold winner Schools Division and Grand Jury Award: Lauren Benett, Jared Levie, and Kyle White.  
  
**ARCC King Medal Award**: Niyati Naik.
- 2020: **First Place: US Department of Energy / Solar Decathlon Design Competition Grand Jury Award: Solar Decathlon Design Competition**: First Place Gold winner Schools Division and Grand Jury Award: Garrett Leaver, Katherine Marple, Danielle Valdez & David Duessen.  
**Dissertation Fellowship Award - University of Oregon**: Niyati Naik.
- 2018: **IESNA New York Chapter - Richard Kelly Lighting Award**: Belal Abboushi  
**Kuwait Foundation for the Advancement of Science Award**: Sadiqa Al Awadh
- 2017: **ARCC King Medal for Excellence in Architectural Research**: Belal Abboushi  
**Dissertation Fellowship Award - University of Oregon**: Belal Abboushi
- 2016: **IES Scholarship** - Belal Abboushi, Advisor for a Ph.D. student led project and grant: "*Predicting Occupant's Preference, Visual, and Thermal Comfort from Solar Patterns Distribution in Office Buildings.*"
- 2015: **ACSA/AIA COTE Top 10 Student Competition**: Robert Larson and Gabrielle Steffel, Faculty Advisor and design studio professor for two out of the top 10 AIA COTE awards for students, national design competition and wards administered by the American Institute of Architects, Committee on the Environment (AIA COTE).
- 2014: **IES Scholarship** - Shane O'Neil, Advisor for a graduate student led project and grant: "*Assessing Occupant Energy Behavior from a Perception-action Cycle in Sustainable Buildings.*"
- 2008: **Sustainable Living Funds Prize & Grant: The Center for the Advancement of Sustainable Living (CASL)**, Funds received through a competitive grant by a multidisciplinary student group working towards creating a sustainable living demonstration house at the University of Oregon, As the faculty advisor/mentor for the students group, I have supervised the design and fund raising efforts to create a place of sustainable residence which will also provide hands-on experiential learning opportunities for students and surrounding communities through workshops and events.

- 2005: **French First Prize: UIA International Student Competition. "Creating Space in Extreme Conditions."**  
T.J. Bates, Justin Helm, and Kai Liang, undergraduate Architecture, and faculty advisor Ihab Elzeyadi, Ph.D. won the UIA French Prize for the design of a Mobile Voting Booth and a Center for Democracy for the Democratic Republic of Congo. There were more than 900 international entries with a total of 25 UIA prize winners. It's important to note that the UO team is the only winners from the USA.
- 2004: **First place: RIBA and INREB International Student Competition. "An Energy Revolution: Solution for Sustainable Urban Communities." Manchester - United Kingdom**  
Joshua Chang, Tyson Gillard and Thomas Kosbau, undergraduate architecture, University of Oregon. Ihab Elzeyadi, faculty advisor and sponsor for the competition. There were 113 entries from 21 different countries.
- 2003: **First place: Luraline International Luminaire Competition**  
First Place runners-up, Cynthia Quade & Sarah Burke, graduate architecture & interior architecture. Ihab Elzeyadi, faculty advisor for a hospitality luminaire with open-ended configurations. There were 250 entries from North America.

**A&AA News & Bulletin - featured work in several issues, for example:**

Featuring student work from various studios and independent studies in the School of Architecture and Allied Arts News Publication, for example:

- UO Architecture Students Won French Prize: T.J. Bates, Justin Helm, and Kai Liang, students in Professor Ihab Elzeyadi's independent competitions studio won the UIA french Prize."
- "Elzeyadi/Peting Adaptive Reuse Studio
- "Judy Ou, graduate Architecture "In-Between: EMU Extensions"
- Ramin Rezvani & Devin O'Neal, "Layers of History/Layers of Space,"

**Funded Research Projects & Grants**

Total Grants & Funded Projects Amount: **\$5,601,593** + \$175,500 (cost share)  
Grants & Funded Projects Amount (last 10 years): **\$2,053,003** + \$136,000 (cost share)

- 2021: **Saint-Gobain Corporation**  
Principal Investigator: *Sage Harmony Impacts on High Performance Facades Performance and Occupant's Multi-Comfort* (\$54,127).
- College of Design Board Fellowship**  
Principal Investigator: *Net-Zero Schools Toolbox: From Design Process to Life Cycle Impacts.* (\$4,500).
- 2020: **Saint-Gobain Corporation**  
Principal Investigator: *Advanced Analysis of the Impact of High Performance Facades on Occupant's Multi-Comfort Health* (\$59,127).
- 2019: **National Science Foundation**  
Invited Panelist for the Engineering Research Centers Program, NSF Washington, DC. (\$5,000).
- 2018: **Energy Trust of Oregon**  
Net-Zero Energy Fellow: *Performance Evaluation and Assessment of Net-Zero Schools (NZS).* A study to quantify the triple bottom line impacts of NZS on operations, occupants health, and well-being (\$26,000).
- Saint-Gobain Corporation**  
Principal Investigator: *Impact of Improvements in Indoor Environmental Quality with High Performance Materials on Occupant's Health and Well-being.* (\$52,693)
- 2017: **Campus Planning and Facilities Management**  
Principal Investigator: *Performance Evaluation and Assessment of Retrofitted LEED Buildings (PEARL\_B).* A study to quantify the triple bottom line impacts of retrofitted campus LEED buildings on campus operations, occupants health, and well-being (\$13,010 + 13,010 CS).
- Saint-Gobain Corporation**  
Principal Investigator: *Dynamic Shade Technologies for Indoor Environmental Quality and Daylighting Metrics of All-Glass Facades.* (\$26,693)



- 2016/2017: **SAGE Electrochromic Glazing**  
Principal Investigator: *Indoor Environmental Quality Assessment of a state-of-the-art LEED Platinum building with the world largest deployment of SAGE Electrochromic Glazing on Two facades.* Tasks include comparative analysis, occupants' comfort, and satisfaction with the dynamic facades technology. The study will develop commissioning recommendations to improve the performance and comfort of the dynamic electrochromic facades (\$25,484).
- 2015: **I3 Award - Incubating Interdisciplinary Initiatives**  
Principal Investigator: *Bridging Architecture and Neuroscience. Quantifying Impacts of Spatial Daylight Type and Quality on Task Performance, Stress, and Stress-recovery- An Experimental Investigation."* In collaboration with the Paul Dassonville, Neuroscience Behavioral Laboratory, University of Oregon - Office of the Vice President for Research (\$50,000).
- 2014: **Saint-Gobain Corporation**  
Principal Investigator: *Facade Adaptive Sustainable Technologies (FAST).* Evidence-based design solutions for retrofitting all-glass facades buildings to improve energy and indoor environmental quality, daylighting, and occupant health and well-being. A research design and demonstration (RD&D) project for Saint-Gobain (\$138,235).
- 2014: **CertainTeed Corporation**  
Principal Investigator: *Pre-Post Occupancy Indoor Environmental Quality Assessment of an Innovative High Performance Office Complex (PoP-IEQ).* Developing protocols and procedures for building evaluation and assessments for a pre-post occupancy evaluation of green buildings. The project develop metrics to quantify impacts of innovative materials on building performance, indoor environmental quality, as well as human performance and health. A design assistance and building performance evaluation project (\$133,058).
- Eugene 4J Schools - High Performance Daylighting Design**  
Principal Investigator: *Daylighting Design Assistance and High Performance buildings Consulting for DOWA -IBI and PIVOT Architecture to design two new high performance schools and develop daylighting standards for 4J classrooms (\$24,350).*
- 2013: **Green Campus Initiative + Univ. Of Oregon Operations**  
Principal Investigator: *Performance, Environmental Assessment and Re-engagement of LEED Laboratories (PEARLL).* A study to quantify the triple bottom line impacts of Platinum-rated LEED laboratory buildings on occupants health and test various occupant re-engagement and positive energy behavior strategies (\$8,000 + 12,000).
- Harsch Investment Properties**  
Principal Investigator: *Portland Centennial Mills - Benchmarking and Carbon Assessment Feasibility Study (\$5,000).*
- 2012: **American Institute of Architects - Upjohn Research Award**  
Principal Investigator: *Green Classroom Toolbox™.* An Evidence-Based design guidelines for deep energy retrofit of existing schools. The project generates energy savings strategies and performance based sustainable design technologies to predict energy and IEQ performance of deep retrofit in K-12 schools (\$25,000 + \$25,000 CS).
- Certain Teed/Saint Gobain - IEQ Testing and Characterization**  
Principal Investigator: *Measuring and Visualizing the Impacts of Advanced Building Materials on Indoor Environmental Quality, Building Performance, and Occupants Comfort in Retrofitted School Buildings.* (\$12,000 + \$8,000 CS).
- Biological & Ecological Engineering - Oregon State University**  
Principal Investigator: *Design Assistance and a Basis of Design Report for a retrofit and addition analysis for Gilmore Hall (\$3,000).*
- Oregon Built Environment and Sustainable Technologies:**  
Principal Investigator: *Facade Integrated Technologies (FIT) Testing Facility Lab Investment II: Additional Funding for lab instrumentation and programming (\$10,000).*
- 2011: **Oregon Transportation Research and Education Consortium:**  
Coprincipal Investigator: *Making Transportation Cool: Quantifying the impacts of Alternative Transportation Strategies on Human Behavior and Health.* OTREC funded project evaluating energy expenditure and human

impacts of LEED schools zoning and land use strategies and their relationship to transportation choices for schools (\$300,000 + \$15,000 CS).

2010:

**Oregon Built Environment and Sustainable Technologies:**

Principal Investigator: *Facade Integrated Technologies (FIT) Testing Facility Lab Investment:* Funding to construct a full scale living building lab for research and testing of dynamic facade design and products (\$273,000 + \$10,000 Cost Share [CS]).

**Northwest Energy Efficiency Alliance - Better Bricks:**

Coinvestigator: *Oregon Sustainability Center Integrated Design Process:* Funding to document and analyze the design process of a net-zero living building and to provide design assistance for energy micro-generation integration with the façade and building systems (\$18,000 + \$5,000 CS).

**Oregon Transportation Research and Education Consortium:**

Principal Investigator: *Green Schools in Gray Zones:* an OTREC funded project that is evaluating energy expenditure and human impacts of LEED schools zoning and land use strategies and their relationship to transportation choices for schools (\$98,046 + \$98,562 CS).

**Van Evra Bailey Research Excellence Fund**

Principal Investigator: *Guidelines for Green Schools:* generate design patterns and evidence-based guidelines for employing sustainable strategies for green K-12 schools new construction and retrofits with emphasis on linking design strategies to school's operation and pedagogy (\$25,000 + \$8,000 CS).

**CBT Architects, Boston, MA**

Principal Investigator: *"Quantifying Sustainable Design Tools and Techniques for Architects and Designers."* Design assistance and consulting services for CBT Architects to integrate energy simulation and environmental analysis during early schematic design stages and form-generation processes (\$10,000).

2009:

**Oregon Entrepreneurship Program-Translational Research Grant**

Principal Investigator: *"Solar Awnings - Testing and Marketing Plan for an innovative green buildings system prototype."* Research, Development and Demonstration for translating research of a photovoltaic awning and lighting system into a marketable prototype (\$37,500).

**MulvannyG2 Faculty Research Excellence Award**

Principal Investigator: *"GATE: Green Affordable Teaching/Learning Environments."* Design guidelines for retrofitting existing classroom for energy efficiency and improved students performance (\$10,000).

**University of Oregon, Faculty Summer Research Award**

Principal Investigator: *"Green Classroom Toolbox - Data collection and Meta Analysis for Benchmarking Green Schools Performance."* Support to conduct field work and meta-analysis tasks for a comparative study of LEED and Non-LEED schools in Oregon (\$4,500).

2008:

**Oregon University Systems - Office of Capital Projects**

Coprincipal Investigator: *"Big-Tech PVs: Building Integrated Green Technology Photovoltaic Awning and Lighting Prototype."* Design Assistance Support to research ,design, and demonstrated a photovoltaic awning and lighting system prototype (\$75,000).

**AIA Board of Knowledge Research Program**

Principal Investigator: *"Green Classrooms Design Tools: Retrofitting Educational Facilities for Carbon Neutrality and Indoor Comfort."* Developing evidence based guidelines for classrooms to maximize students performance and net-zero energy operations (\$7,000 + \$50,000).

**YEON Faculty Research Award, AAA, University of Oregon,**

Principal Investigator: *Through the Looking Glass: Regional Architectonics and Sustainable Aesthetics in the Works of John Yeon and Hassan Fathy* (\$8,000).

**Mulvanny G2/Joel Yamauchi Memorial Studio Award**

Principal Investigator: *"JEWEL: Joint Entertainment Civic Center, Lake Elsinore, California - Studio Curriculum Development."* A grant from MulvannyG2, Seattle, WA. to develop a civic engagement process with the community for a participatory design of a new civic center for Lake Elsinore, California. The project employed principles of sustainable design, historical preservation, and design for diversity as an integrative process (\$5,000).

- University of Oregon, Office of the Vice Provost for Academic Affairs/Department of Architecture**  
Research Advancement Career Award (\$60,000).
- 2007: **AAA Research Awards - Finrow Faculty Research Award**  
Principal Investigator: "Greening the Hospital of the 21st Century: Case Studies in European High-Performance Hospital Design." Support to conduct preliminary field work to assess and evaluate state-of-the-art hospitals based on a systematic analysis of European Contemporary Energy Effective Hospitals recently commissioned by the European Union's Energy Commission (ECDGET) (\$4,500).
- 2006: **Lighting Research Center (LRC), Department of Energy Daylight Dividends Program,**  
Support from a research consortium of: US Department of Energy, New York State Energy Research and Development Authority, California Energy Commission, The Connecticut Light and Power Company, Iowa Energy Center, North Carolina Solar Center and the Northwest Energy Efficiency Alliance.
- Principal Investigator: "The Relationship Between View Quality and Employee's Sick Leave in Offices"  
A seed grant to study the biophilia hypothesis. The study investigates the relationship between windows and views on occupant absenteeism in offices. (\$20,000 + 32,500 matching funds [2 GTF positions + course release + statistical consultant pro-bono fees])
- 2005 **Oregon Survey Research Lab (OSRL) Faculty Fellowship**  
Principal Investigator: "Healthy Offices I: The Relationship Between Daylighting Quality and Employee's satisfaction and Health in Work Environments." A grant from the Oregon Research Survey Lab and the Office of the Vice President of Research to study the relationship between daylighting, indoor lighting quality and employee's absenteeism and health (\$5,000 + 3 course release).
- Oregon Survey Research Lab (OSRL) Faculty Fellowship**  
Principal Investigator: "LEEDing Performance: Post Occupancy Evaluation of the Lillis Business School, LEED Gold Rated Building, The University of Oregon." Consultant for the Oregon Survey Research Lab to conduct an extensive analysis and performance evaluation for the University of Oregon's first LEED certified high performance building (\$8,000).
- Williams Seminar Award**  
Principal Investigator: "Sustainable Design Research: Special Studies in Environmental Controls Systems - Small Seminars Curriculum Development." A grant from the Williams Council, University of Oregon to develop a small enrollment seminar that complements a large class and focuses on achieving in-depth application of knowledge (\$2,000).
- 2004: **Joel Yamauchi Memorial Studio Award**  
Coprincipal Investigator w/. Donald Peting: "Re-cycling Buildings: Sustainable Adaptive Reuse of Historical Buildings - Studio Curriculum Development." A grant from MulvannyG2 Architecture of Seattle, WA. for the co-taught double Studio (w/. Donald Peting): recycling buildings. The studio focuses on engaging students in the adaptive reuse and sustainable planning of at-risk historical fabric in the city of Portland, OR, with a pedagogy that considers issues of sustainable design, historical preservation, and design for diversity as an integrative process (\$2,500).
- 2003: **University of Oregon, Educational Technology Program**  
Principal Investigator: "BEAM: Building + Environment Analysis Module." Technology Grant to design and implement, an interactive virtual lab for monitoring building performance and occupant comfort (\$10,000).
- 2002: **University of Oregon, Educational Technology Program (Ed\_Tech.)**  
Principal Investigator: "BEAM: Shedding Light on Building Performance Education." Technology Grant to design the curriculum component of BEAM: Building + Environment Analysis Module, an interactive and problem based learning curriculum for teaching Environmental Control Systems (ECS) and building sciences in architecture (\$10,000).
- University of Oregon, Faculty Summer Research Award**  
Principal Investigator: "Healing Lights - Environmental Quality Guidelines for Hope Lodges and Cancer Recovery Facilities."  
Support to conduct field work and develop energy efficient design guidelines for long-term health care and Cancer recovery facilities (Hope Lodges) in the Northwest (\$4,500).
- 2001: **University of Oregon, Office of Research and Development**  
Seed Start-up Grant to initiate research program (\$15,000).



- University of Wisconsin-Milwaukee, Summer Research Fellowship**  
Support from the Graduate School to support the Ph.D. Dissertation manuscript completion (\$3,000).
- 2000: **University of Wisconsin-Milwaukee, Research Travel Grant**  
Conference travel support to present accepted papers at EDRA & ACSA conferences (\$500).
- Environmental Design Research Association, EDRA Travel Grant**  
Research travel grant for Ph.D. Dissertation field work (\$500).
- Heschong Mahone Group, Sacramento, CA**  
Project Manager and Team member on the following five funded research projects while employed at the Heschong Mahone Group, CA. Contributed to the work conducted in the capacity of a Project Manager and Senior Researcher for these projects.
- **California Energy Commission, PIER Program**  
*"Daylighting and Productivity Studies."* Funded research for a three year study on the relationship between daylighting and occupant productivity. Participated in research design, data collection, and analysis of a series of follow-up studies that investigates the relationship between daylighting and human performance in schools and retail environments (\$3,000,000).
  - **California Energy Commission, CASE Initiatives**  
*"Lighting Technology and Controls for the California Title 24 energy code revisions of 2004."* Contributed Research on the cost effectiveness of various lighting controls technologies on energy and peak demand savings (\$60,000).
  - **Energy Design Resources**  
*"Skylighting in Commercial Buildings: Improvements are Real!"* Presented and designed seminars and workshops on commercial skylighting design for architects, engineers, and building owners in California as part of employment responsibilities at the Heschong Mahone Group (\$5,000).
  - **South California Edison (SCE)**  
*"Designed for Comfort Program."* Design Consultant providing, education, and energy consultation for architects, developers, and engineers to produce energy effective multi-family housing in Southern California (\$100,000 - 1st phase).
  - New York State Energy Development Authority (NYSERDA)**  
*"Northeast Commercial Skylighting Market Transformation."* Project Manager for a market transformation research project that expands the Skylighting in Commercial Building Guidelines to the Northeast States (\$130,000).
- 1999: **University of Wisconsin-Milwaukee, School of Architecture & Urban Planning (SARUP), Faculty Memorial Award**  
*"Consuming Architectural Heritage Through Adaptive Reuse."*  
Research and Analysis to produce a publication and traveling boards for a national exhibition in ACSA regional conferences (\$600).
- 1998: **The University of Wisconsin-Milwaukee, Dissertation Fellowship**  
Principal Investigator: *"Ten Palaces Tell their Stories: Environmental Quality Assessment of Offices Inside Adaptively Reused Historical Palaces in Cairo, Egypt."* UWM top dissertation proposals on the university level (\$18,000 + full year graduate tuition remission).
- 1997: **American Research Center in Egypt (ARCE), Ford Fellowship**  
Principal Investigator: *"From Palaces to Organizations: Adaptive Reuse Strategies and Occupant Comfort inside Cairene Work Environments."* Ford Foundation Development Grant (\$15,000).
- University of Wisconsin, Graduate School**  
Tuition-Remission Scholarship (equiv. \$10,000).
- 1997: **University of California-Berkeley, Center for Environmental Design Research, Vital Signs Project**  
Primary co-investigator w/ Michael Utzinger: *"Vital Signs of Wisconsin's Buildings."* Equipment for the study of building performance in architectural schools, 1996-1997 (Valued at \$25,000).
- University of California-Berkeley, Center for Environmental Design Research, Vital Signs Student Case Study Competition**  
Primary Investigator: *"A Tale of Two Houses"* (1st place winner of competition). Award to further the study of building performance and human comfort (\$2,000 + Travel expenses).

**Penn State University, Twelfth Annual Research Competition**

Principal Investigator: "The Effect of Tilted Windows on Occupants Visual Comfort in Non-Orthogonal Office Spaces." (1st place winner of competition). (\$1,000 + Travel expenses).

1996:

**IFMA Foundation Discovery Institute Research Grant**

Principal Investigator: "The Effect of Tilted Windows on Occupants Visual Comfort in Non-Orthogonal Office Spaces." Grant to support publishing and dissemination of research from universities to facility management organizations (\$500 + Publication of Manuscript).

**International Facility Management Association (IFMA) Scholarship**

Principal Investigator: "Towards a New Model of Thermal Comfort in Office Buildings." S.W. Wisconsin Chapter (\$500 + Membership).

1995:

**University of Wisconsin-Milwaukee, School of Architecture and Urban Planning. Teaching Assistantship**

Grant to support doctoral students for teaching and research in their first three years of their Ph.D. program (\$24,000 + Tuition Remission).

1994:

Peace Fellowship, Joint Exchange USA-Egypt Scholars Program

Professional Training and Research in the area of environmental design and energy efficient buildings (\$28,000 + tuition & travel).

**Publications** Journal Papers blind peer reviewed

- **Elzeyadi, I.** (in preparation). Quantifying the Environmental Impacts of Green Schools: A comparative analysis of predictive and actual performance of 16 LEED and non-LEED schools.
- **Elzeyadi, I.** (in preparation). Sustainable Schools and the Triple Bottom-line: A comparative field study of Indoor Environmental Quality and students' health for 8 LEED elementary schools.
- **Elzeyadi, I.** and Gatland, S. (in preparation). Quantifying the Impacts of Green Buildings on Indoor Environmental Quality and Occupants Multi-Comfort – a Longitudinal Pre and Post-Occupancy Field Study.
- Naik, N., **Elzeyadi, I.**, Minson, C.T., Lee, J-H., & Cartwright, V. (second review). Significance of Dynamic over Static Solar Screens on Thermal Pleasure under different Sky Conditions. *Building and Environment*.
- 1. Naik, N., **Elzeyadi, I.**, and Cartwright, V. (2022). Intelligent Facades: Dynamic Solar Screens for High-Performance Buildings- A Critical Review. *Architecture Science Review*. <https://doi.org/10.1080/00038628.2022.2063248>
- 2. Glean, A., Gatland, S., **Elzeyadi, I.** (2022). Visualization of Acoustic Comfort in an Open Plan High-Performance Glass Building. *Buildings* 2022, 12(3), 338; <https://doi.org/10.3390/buildings12030338>.
- 3. Naik, N., **Elzeyadi, I.**, Minson, C. & Lee, J. (2021). Thermal pleasure inside solar screened spaces: an experimental study to explore alliesthesia in architecture, *Building Research & Information*, 49:7, 795-812, <https://doi.org/10.1080/09613218.2021.1934377>
- 4. Abboushi, B.; **Elzeyadi, I.**; Van Den Wymelenberg, K.; Taylor, R.; Sereno, M. & Jacobsen, G. (2020) Assessing the Visual Comfort, Visual Interest of Sunlight Patterns, and View Quality under Different Window Conditions in an Open-Plan Office, *LEUKOS*, <https://doi.org/10.1080/15502724.2020.1785309>
- 5. Naik, N. & **Elzeyadi, I.** (2020). Investigating the impacts of Solar Screens on Occupant's Thermal Comfort: An Observational Field Study. *ASHRAE Transactions*, 126 (1).
- 6. Abboushi, B.; **Elzeyadi, I.**; Taylor, R. & Sereno, M. (2019). Fractals in Architecture: The Visual Interest and Mood Response to Projected Light Patterns in Interior Spaces. *Journal of Environmental Psychology*, 61, pp. 57-70. <https://doi.org/10.1016/j.jenvp.2018.12.005>
- 7. **Elzeyadi, I.** (2017). The impacts of dynamic façade shading typologies on building energy performance and occupant's multi-comfort. *Architectural Science Review*. 60:4, pp. 316-324. <https://doi.org/10.1080/00038628.2017.1337558>
- 8. **Elzeyadi, I.** (2015). A Tribute to Performance Arrows: Designing for Better Indoor Environmental Quality. In: *Thought and Leadership in Green Buildings Research 2015*. Greenbuild 2015: Monumental Green. Washington, DC: USGBC Press. (< 5% acceptance rate).

9. **Elzeyadi, I.** (2013). 20/20: Evidence-Based Deep Retrofit Strategies for Smart Schools. In: Thought and Leadership in Green Buildings Research 2013. Washington, DC: USGBC Press. (< 8% acceptance rate).
10. **Elzeyadi, I.** (2012a). Quantifying the Impacts of Green Schools on People and Planet: Thought and Leadership in Green Buildings Research 2012. Washington, DC: USGBC Press.
11. **Elzeyadi, I.** (2012b). Salutogenic Environments: Health and Healing Impacts of Daylighting in the Workplace. World Health Design Journal. July 2012, pp. 60-67.
12. **Elzeyadi, I.** (2012c). "Post-occupancy evaluation: A design, operations and performance assessment of a LEED Platinum building." World Health Design Journal. January 2012, pp. 60-69.
13. **Elzeyadi, I.** (2011). Daylighting-Bias and Biophilia: Quantifying the Impacts of Daylighting on Occupants Health." Thought and Leadership in Green Buildings Research 2011. Washington, DC: USGBC Press.
14. **Elzeyadi, I.** (2008). Green Classroom Retrofit Toolbox (GCRT): Evidence-Based Design Guidelines to Adapt K-12 School Facilities for Climate Change. AIA Report on University Research, Vol. 4, pp. 142-163. Washington, DC: American Institute of Architects.
15. El-Habashi, A. & **Elzeyadi, I.** (1998). Consuming built patrimony, social perspectives and preservation strategies in modern Cairo: a chronological cross-disciplinary analysis. Traditional Dwellings and Settlements - Working Paper Series. Vol. (101): Manufacturing Heritage Through Policies of Preservation. Berkeley, CA: Center for Environmental Design Research.
16. **Elzeyadi, I.** (1997). A tale of two houses: Environmental quality, sustainability, and indoor comfort inside Hassan Fathy's *Mit Rehan* and a contemporary villa in Cairo, Egypt. Vital signs: Case Study Library [On-line serial]- Location: [http://www.ced.berkeley.edu/cedr/vs/workup/two\\_houses/Default.htm](http://www.ced.berkeley.edu/cedr/vs/workup/two_houses/Default.htm) (First Prize winner juried research paper in an international competition).

### Books & Book Chapters *peer-reviewed*

1. **Elzeyadi, I.** (Proposal in preparation). Net-Zero Schools Design Toolbox. NY: Routledge, Taylor & Francis Group.
1. Elzeyadi, I. (Contracted): Indoor Environmental Quality and its Profiles: A Human-centric Approach to Performative Architecture, Chapter 16, In: K. Silva and N. Fernando (eds.); Theorizing Built Form and Culture: The Legacy of Amos Rapoport. Routledge Research in Architecture Series.
2. **Elzeyadi, I.** (2022). The Salutogenic Office: Indoor environmental quality architecture for health and wellbeing. In: A. Dilani and K. Yeang (eds.); Ecological and Salutogenic Design. UK: Cambridge Scholars Publishing. ISBN: 1-5275-7992-1, ISBN13: 978-1-5275-7992-7
3. **Elzeyadi, I.** (2020). Net-Zero Schools: From Process to Impacts. A Design Patterns Book. Portland, OR: Energy Trust of Oregon Press. Available here: [https://cpb-us-e1.wpmucdn.com/blogs.uoregon.edu/dist/3/17462/files/2020/03/200227\\_SCHOOL-ANALYSIS-FINAL-BOOK-pubfinal7.pdf](https://cpb-us-e1.wpmucdn.com/blogs.uoregon.edu/dist/3/17462/files/2020/03/200227_SCHOOL-ANALYSIS-FINAL-BOOK-pubfinal7.pdf)
4. Alawadh, S. & **Elzeyadi, I.** (2020). Atrium Design and the Science of Daylighting: A Comparative Field Study. In A. Bumajdad et al. (eds.); Gulf Conference on Sustainable Built Environment, pp. 383-399. Switzerland: Springer [https://doi.org/10.1007/978-3-030-39734-0\\_22](https://doi.org/10.1007/978-3-030-39734-0_22)
5. IESNA\* (2020). RP-5-13 -20 Updated: Recommended Practice for Daylighting Buildings - Illumination Engineering Society (IES) Publication, NY.  
\* Editorial and contributing author as part of my role in the IES Daylighting Committee
6. **Elzeyadi, I.** (2018). A Comparative Analysis of Predictive and Actual Performance of High Performance LEED Buildings. In W. Prieser, U. Schramm & A. Hardy (eds.), Building Performance Evaluation: From Delivery Process to Life Cycle Phases (Second Edition), pp. 209-222. NY: Springer. <https://www.springer.com/gp/book/9783319568614>
7. **Elzeyadi, I.** (2017). Multi-Performance Spaces: Assessing The Impacts Of An Innovative LEED Platinum Educational Complex On The Triple Bottom-Line. In: W. Prieser and A. Hardy (eds.), ADAPTIVE ARCHITECTURE: CHANGING PARAMETERS AND PRACTICE, pp. 34-43, UK: Routledge. Taylor & Francis Group. <https://www.taylorfrancis.com/books/e/9781315627113>
8. IESNA\* (2013). RP-5-13 - Recommended Practice for Daylighting Buildings Illumination Engineering Society (IES) Publication, NY.  
\* Editorial and contributing author as part of my role in the IES Daylighting Committee
9. **Elzeyadi, I.** (2012). Regenerative and Biophilic Design of Net-Zero Buildings and Sites. Book Chapter, In: THUPDI Sustainable Urban Development, Tsinghua University, Beijing - China.

10. **Elzeyadi, I.** (2010b). Green Classroom Toolbox: Applications in Architectural Research, Teaching, and Practice. *AIA Report on University Research Vol 5*. Washington, DC: American Institute of Architects.

### Publications in Conference Proceedings *double peer-reviewed*

1. **Elzeyadi, I.** & Gatland, S. II (in review). Visualizing Indoor Air Quality in Green Buildings: A Human-Centered Approach and Weighing Scheme.
2. **Elzeyadi, I.** (2022a). Resilient Sites: Mapping K-12 Schools' Context Biophilic and Energy Performance. In: *Resilient City: Physical, Social, and Economic Perspectives, ARCC-EAAE 2022 International Conference, March 2-5, 2022 | Miami, FL | Florida International University, the proceedings of the Architectural Research Centers Consortium (ARCC) conference*
3. **Elzeyadi, I.** (2022b). Architecture At Zero: The New School Building Between Prediction and Verification. In: *110th ACSA Annual Meeting (Virtual), May 18-20, Los Angeles, CA: USA.*
4. Golshany, N. & **Elzeyadi, I.** (2022). Exploring the Impacts of Human-Centric Lighting Spatial Patterns on Elderly Residents mood and preference – An Architectural Content Analysis. In: *Resilient City: Physical, Social, and Economic Perspectives, ARCC-EAAE 2022 International Conference, March 2-5, 2022 | Miami, FL | Florida International University, the proceedings of the Architectural Research Centers Consortium (ARCC) conference*
5. Al Awadh, S. & **Elzeyadi, I.** (2022). Space Syntax Applications For Window Access And Daylight Design. In *EDRA 53 EDRA 53: Health in All Design*, June 1-4, 2022, Greenville, SC, USA. **Winner: Best paper Award**
6. **Elzeyadi, I.** (2021). Performative Views in Architecture: Preference, Composition, and Occupant's Wellbeing. In: *Performative Environments, the proceedings of the Architectural Research Centers Consortium (ARCC) conference virtual Tuscon, Arizona, April 7-10.*
7. Golshany, N., **Elzeyadi, I.**, (2021). Measuring the Impact of Environmental Quality on Elderly Residents' Cognitive Functioning – A Critical Review. In: *Performative Environments, the proceedings of the Architectural Research Centers Consortium (ARCC) conference virtual Tuscon, Arizona, April 7-10.*
8. Naik, N., **Elzeyadi, I.**, & Cartwright, V. (2021). Performative environments for alliesthesia: Solar screened offices and human thermal perception within them under different sky conditions. In: *Performative Environments, the proceedings of the Architectural Research Centers Consortium (ARCC) conference virtual Tuscon, Arizona, April 7-10.*
9. **Elzeyadi, I** & Abboushi, B. (2020). Mind the Gap: Building Performance Simulation in the Architectural Design Studio. In: *108th ACSA Annual Meeting, March 12-14, San Diego, CA: USA.*
10. Niyati, I. & **Elzeyadi, I.** (2020). External Dynamic Screens for Thermal Delight and Alliesthesia. In: *108th ACSA Annual Meeting, March 12-14, San Diego, CA: USA.*
11. Niyati, I. & **Elzeyadi, I.** (2020). Impact of Static and Dynamic Solar Screens on Indoor Thermal Environment and Predicted Thermal Comfort. In: *Passive and Low Energy Architecture (PLEA) Conference: Planning Post Carbon Cities, September 1-3, CORUÑA , Spain.*
12. Naik, N. & **Elzeyadi, I.** (2020). Investigating the Impact of External Solar Screens on Occupant Thermal Comfort and Pleasure: An Observational Field Study. In: *2020 ASHRAE Winter Conference, February 1-5, Orlando, FL, USA.*
13. Parhizkar, H. & **Elzeyadi, I.** (2020). Investigating the Impact of Plant Phytoremediation on Indoor Air Quality in Work Environments: A Meta-Analysis. In: *2020 ASHRAE Winter Conference, February 1-5, Orlando, FL, USA.*
14. **Elzeyadi, I.** & Gatland, S. (2019). The Impact of the Exterior Envelope on Thermal Comfort Perceptions in Offices. In: *2019 Buildings XIV Conference, December 9-12, Clearwater, FL, USA.*
15. **Elzeyadi, I.** & Abboushi, B. (2019). Daylighting Performance In Schools Between Simulation Predictions And Field Verifications – A Factor of Reality Analysis. In: *BS19: Building Simulation 2019, September 2-4, Rome, Italy.*
16. Abboushi, B. & **Elzeyadi, I.** (2019). Investigating the Visual Interest and Mood Response to Light Patterns in Architectural Renderings. In *EDRA 50: Sustainable Urban Environments, May 22-26, Brooklyn, NY, USA.*
17. Al Awadh, S. & **Elzeyadi, I.** (2019a). Between Research and Practice: A Comparative Analysis of Daylight Design Predictions in Atriums. In: *The Architectural Research Centers Consortium (ARCC), May 29 – June 1, Toronto - Canada,*
18. Al Awadh, S. & **Elzeyadi, I.** (2019b). Dynamic Daylighting Design in the Melanopsin Age - The Case of Atriums. In: *Gulf Conference on Sustainable Built Environment Conference. March 10-13, Kuwait City, Kuwait.*

19. **Elzeyadi, I.** (2018). Smart and Healthy Buildings from Idea to Reality: A Comparative Analysis of Green Buildings Energy and Environmental Performance between Design Predictions and Actual Performance. In: PLEA 2018 Smart and Healthy within the 2-degree Limit, December 10 -12, Hong Kong, China.
20. Al Awadh, S. & **Elzeyadi, I.** (2018a). Biological Impact through a Window: A Pilot Study. In: PLEA 2018 Smart and Healthy within the 2-degree Limit, December 10-12, Hong Kong, China.
21. Gatland, S. & **Elzeyadi, I.** (2018a). Measuring the Impact of a High-Performance All-Glass Building on the Indoor Acoustic Environment and the Occupants Perception of Health, Satisfaction and Productivity. In: Inter-Noise 2018: 47th International Noise Congress & Exposition. August 26-29, Chicago, IL, USA.
22. Gatland, S. & **Elzeyadi, I.**(2018b). Reporting from the Field: Pre/Post-Occupancy Assessment of Thermal Comfort and Indoor Air Quality Performance of a LEED® Double-Platinum Commercial Office Building. In: INDOOR AIR 2018, 15th Conference of the International Society of Indoor Air Quality and Climate (ISIAQ), July 22 - 27, Philadelphia, PA, USA.
23. Gatland, S. & **Elzeyadi, I.** (2018c). Indoor Environmental Quality Performance of a LEED® Double Platinum Commercial Office Building Pre- and Post-Retrofit. In: BEST5: Conference Building Enclosure Science & Technology™, April 16-18, Philadelphia, PA, USA.
24. Abboushi, B. & **Elzeyadi, I.** (2018). The Relationship between Sunlight Pattern Geometry and Visual Comfort in Daylit Offices. In: ARCC EAAE 2018: Architectural research Centers Consortium Conference, May 16-19, Philadelphia, PA, USA.
25. Al Awadh, S. & **Elzeyadi, I.** (2018b). Daylighting beyond Instrumentality and Dynamic Metrics. In: ARCC EAAE 2018: Architectural research Centers Consortium Conference, May 16-19, Philadelphia, PA, USA.
26. **Elzeyadi, I.** & Ayesha, B. (2018). Learning from the Vernacular: The Impact of Screen Shades Typologies on Building Energy Savings and Thermal Comfort in Two Different Climate Zones. In: ASHRAE Winter Conference Proceedings, January 20-24, 2018, Chicago, IL., USA.
27. **Elzeyadi, I.**, Gatland, S. & Abboushi, B. (2017). Dynamic Daylight: Measuring the impacts of high performance daylighting system on occupants health, satisfaction, and productivity. In: Illumination Engineering Society (IES) Annual Conference: My Light. August 10-12, Portland, OR, USA.
28. Abboushi, B. & **Elzeyadi, I.** (2017). Perceptual Response to Fractal Light Patterns. In: Illumination Engineering Society (IES) Annual Conference: My Light. August 10-12, Portland, OR, USA.
29. **Elzeyadi, I.** & Batool, A. (2017). Veiled Facades: Quantifying the Impacts of Screen Shades Geometry on Building Energy Savings, Daylighting Autonomy, and Glare Management in Three Different Climate Zones. In: IBPSA: Building Simulation 17, August 7-9, 2017, San Francisco, CA, USA.
30. **Elzeyadi, I.** & Gatland, S. (2017). Indoor Environmental Quality and Occupant's Comfort of a Green-Certified Office Campus– A pre-post Retrofit Longitudinal Study. In: PLEA 2017: Passive Low Energy Architecture-Design to Thrive, Proceedings, July 3–5, 2017, Edinburgh, Scotland.
31. **Elzeyadi, I.** (2016a). Green Classroom Toolbox™: Adapting Schools and Students for Climate Change through Sustainable Architecture. In: Sustainable Built Environment - SBE 16 Cairo Proceedings, November 29 - December 1, 2016, Cairo, Egypt.
32. **Elzeyadi, I.** (2016b). In Praise of Performance: Assessing Indoor Environmental Quality of a LEED™ Platinum Building between Prediction and Verification. In: Defining Indoor Air Quality: Policy, Standards and Best Practices, ASHRAE IAQ Conference Proceedings, September 12-14, 2016, Alexandria, VA, USA.
33. **Elzeyadi, I.**; Abboushi, B.; Hadipour, H.; Riviera, I. (2016). HIGH PERFORMANCE FAÇADES: Measuring the Impacts of Dynamic Shading Prototypes on Indoor Environmental Quality Using Yearly Simulations and Field Tests. In: PLEA Cities, Buildings, People: Towards Regenerative Environments, Proceedings, pp. 1023-1032, July 11–13, 2016, Los Angeles, CA, USA. ISBN: 978-0-692-74961-6.
34. Tanvi, D. & **Elzeyadi, I.** (2016). Comparing LEED certified and Conventional Schools in Houston, Texas, USA: Energy and Environmental Performance. In: PLEA Cities, Buildings, People: Towards Regenerative Environments, Proceedings, pp. 1354-1360, July 11–13, 2016, Los Angeles, CA. ISBN: 978-0-692-74961-6.
35. **Elzeyadi, I.** (2015). A Green Lesson: Measuring the Impacts of LEED certification credits on People, Planet and Profit of K-12 Schools. In: N. Fernando and G. Baker, EDRA 2015 - brainSTORM: Dynamic Interactions of Environment-Behavior and Neuroscience, Los Angeles, CA, 27-30 May 2015, pp. 48-59.
36. Batool, A. & **Elzeyadi, I.** (2014). From Romance to Performance: Assessing the Impacts of Jali Screens on Energy Sav-



- ings and Daylighting Quality of Office Buildings in Lahore, Pakistan. In: PLEA 2014 - 30th International PLEA Conference: SUSTAINABLE HABITAT FOR DEVELOPING SOCIETIES – Choosing The Way Forward, Proceedings, Ahmedabad, India – December 16-18, 2014. ISBN: 978-93-83184-03-3.
37. **Elzeyadi, I.** (2012). Green Classroom 2020: Design Strategies to Retrofit K-12 Schools for Carbon Neutrality. In: World Renewable Energy Forum. ASES Annual Proceedings, May 2012, cd-rom.
38. Piacenza, J.; Tumer, I.; Stone, R.; Knighton, J. & **Elzeyadi, I.** (2011). Towards A System Analysis and Integration Framework for Early Design Trades in Sustainable Building Design. In: Proceedings of the ASME 2011 International Mechanical Engineering Congress. Denver, Colorado, November 11-17. Paper No. IMECE2011-64149, pp. 267-277; ISBN: 978-0-7918-5489-1, doi:10.1115/IMECE2011-64149.
39. Vignola, F.; **Elzeyadi, I.**; Simonton, B. & Mavromatakis, F. (2010). Evaluation of A Prototype Solar Awning. In: Proceedings of Solar 2010, American Solar Energy Society (ASES) International Conference, May 19-22, Phoenix, AZ, USA.
40. **Elzeyadi, I.** & Lockyear, B. (2010). Dynamic Daylight- Delight versus Intensity: The Relationship Between Daylighting Quality, Building Orientation, and Office Layout Inside A LEED Platinum Commercial Building with Glazed Facades. In: Proceedings of Solar 2010, American Solar Energy Society (ASES) International Conference, May 19-22, Phoenix, AZ, USA.
41. **Elzeyadi, I.** (2009). Architectural Pride and Environmental Prejudice: The Effect of Personal Status, Historical Value, and Indoor Décor on Occupants Indoor Environmental Quality in Offices. In: PLEA 2009 - 26th Conference on Passive and Low Energy Architecture, Quebec City, Canada, 22-24 June 2009 (Winner: Best Paper Award, PLEA 2009).
42. **Elzeyadi, I.** (2009). Retro\_Fit: Greening educational facilities for carbon neutrality and students' performance. In: ARCC 2009 - Leadership in Architectural Research, between academia and the profession, April 15-18, San Antonio, TX, USA.
43. **Elzeyadi, I.** et al. (2009a): Radiant Comfort, Friend or Foe: A comparative analysis of radiant floor and conventional HVAC air systems performance in commercial buildings. In: SOLAR 2009, Proceedings of the American Solar Energy Society (ASES) Annual Conference. May 8-14, Buffalo, NY, USA. CD ROM.
44. **Elzeyadi, I.** et al. (2009b): Cool Roof/Green Roof: benefits and biophilia – a comparative study. In: SOLAR 2009, Proceedings of the American Solar Energy Society (ASES) Annual Conference. May 8-14, Buffalo, NY, USA. CD ROM.
45. **Elzeyadi, I.** (2007). Green in the Balance: Visual Comfort Inside offices with Tilted Facades. In: ARCC 2017: Green Challenges in Research Practice and Design Education. Architectural research Centers Consortium, Eugene, OR,
46. Elzeyadi, I. (2005). BEAM: Shedding Light on Building Performance Education. In Solar Energy: Bringing Water to the World. Proceedings of the International Solar Energy Society Conference, Orlando, Florida. August 6-12, Orlando, FL, USA. CDrom.
47. **Elzeyadi, I.** (2004). Bring on the Light: Building Professionals Attitudes Towards Top Daylighting in the Pacific Northwest. Solar 2004 Proceedings, ASES National Solar Energy Conference, July 9-14, Portland, OR, USA.
48. **Elzeyadi, I.** (2003a). Environmental Quality - Shaping Places for People: A Systemic Framework for Conceptualizing People and their Workplaces. In: Shaping Places for People pp. 71- 79. Proceedings of the Environmental Design Research Association EDRA 34th Conference. May 22-26, Minneapolis, MN, USA.
49. **Elzeyadi, I.** (2003b). Sun Tracking and Sound Tracing -- A pedagogy for integrating solar design principles in beginning architectural studios. Solar 2003 Proceedings, ASES National Solar Energy Conference, pp. 981-986, June 21-26, Austin, TX, USA.
50. **Elzeyadi, I.** (2002). Designing for Indoor Comfort: A systemic model for assessing occupant comfort in sustainable office buildings. Solar 2002 Proceedings, ASES National Solar Energy Conference, June 15-20, 2002 Reno, NV, USA. CDrom.

### Conference Presentations *blind peer-reviewed abstract*

1. **Elzeyadi, I.** (2022). Green Skins for Gray Cores: The Impact of LEED Building Envelope Retrofits on Occupant's Health and Well-Being. In EDRA 53 EDRA 53: Health in All Design, June 1-4, 2022, Greenville, SC, USA.
2. Golshany, N. & **Elzeyadi, I.** (2022). Impact of Human-Centric Lighting on Cognitive Performance for Elderly Residents - A critical Review. In EDRA 53 EDRA 53: Health in All Design, June 1-4, 2022, Greenville, SC, USA.
3. Abboushi, B., **Elzeyadi, I.** & Ryan, C. (2019). Applications of Fractal Patterns for Green Building Wellness. In Greenbuild

- 2019: A New Living Standards. November 19-22, Atlanta, Georgia - USA.
4. **Elzeyadi, I.** (2019). Reconciling Apples with oranges: Comparing the Performance of New and Retrofitted Green Buildings from Design to Post-Occupancy Evaluation. In EDRA 50: Sustainable Urban Environments, May 22-26, Brooklyn, NY, USA.
  5. **Elzeyadi, I.** & Abboushi, B. (2019). What's Wrong with Suburban Sustainability: A Comparative Analysis of LEED Certified Offices in Different Urban Site Contexts. In EDRA 50: Sustainable Urban Environments, May 22-26, Brooklyn, NY, USA.
  6. **Elzeyadi, I.** & Abboushi, B. (2019). Dynamic Daylighting Design: Biophilic Applications to Practice. In: LIGHTFAIR International Trade Show and Conference, The Synergy of Light in Life, May 19-23, Philadelphia Convention Center, Pennsylvania - USA.
  7. **Elzeyadi, I.**, Gatland, S. & Hamilton, L. (2018). Measuring-up Healthy Buildings: Methods, Modes, and Meaning for Discovery and Practice. In Greenbuild 2018: Humans x Nature, November 14-16, Chicago, Illinois - USA.
  8. **Elzeyadi, I.**, Gatland S. & Byrne, M. (2017). Rethinking Glass Facades: Indoor Environmental Quality in the Open Office. In: American Institute of Architects Annual Convention, April 27-29, Orlando, FL - USA.
  9. **Elzeyadi, I.** & Gatland S. (2016). Continuous Assessment of Indoor Environmental Quality using an Innovative Pre/ Post-Occupancy Evaluation Protocol for High Performance Buildings. In: Defining Indoor Air Quality: Policy, Standards and Best Practices, ASHRAE IAQ Conference Proceedings, September 12-14, 2016, Alexandria, VA.
  10. **Elzeyadi, I.** (2016a). Measure Twice, Cut Once: Evidence-Based Indoor Environmental Quality Using an Innovative Pre/ Post POE Assessment Research Design EDRA47 POE Intensive In: Post-Occupancy Evaluation (POE) as a Proactive Environmental Design and Control Tool in Modern Buildings - EDRA 47: Shifting Ground, May 18-21, 2016, Raleigh, NC.
  11. **Elzeyadi, I.** (2016b). Closing the Design/Operation Gap: A Comparative Analysis of Predictive and Actual Performance of High Performance LEED Buildings Using an Innovative POE Visualization Approach. In: IBPE Symposium - Building Performance Evaluation Case Studies from around the World - EDRA 47: Shifting Ground, May 18-21, 2016, Raleigh, NC.
  12. **Elzeyadi, I.** (2015b). Assessing occupants engagement in positive energy behavior in buildings. In: EDRA 2015 - brain-STORM: Dynamic Interactions of Environment-Behavior and Neuroscience, Los Angeles, CA, 27-30 May 2015.
  13. **Elzeyadi, I.** & Weekes, J. (2014). Greening Schools beyond Energy Modelling. In: Council of Educational Facilities International, Portland, OR, October 3-6, 2014.
  14. **Elzeyadi, I.** & Woods, M. (2013). People + Buildings: Assessing the application of occupants engagement in positive energy behaviors in buildings. In: American Solar Engineering Society Annual Conference Proceedings, April 2013.
  15. **Elzeyadi, I.** & O'Neil, S. (2013). The Right Light: A comparative field assessment of daylighting quality and visual comfort inside LEED-rated elementary schools. In: American Solar Engineering Society Annual Conference Proceedings, April 2013.
  16. **Elzeyadi, I.** (2011). BELS II: Benchmarking and Performance Evaluation of LEED Schools. In: GreenBuild 2011: US Green Buildings Council International Conference and Expo. October 16- 20, 2010, Toronto, USA. (8% acceptance rate).
  17. **Elzeyadi, I.** (2010). BELS: Benchmarking and Performance Evaluation of LEED Schools- Research Findings and Design Lessons for the Future. In: Greenbuild 2010: US Green Buildings Council International Conference and Expo. November 16- 20, 2010, Chicago, USA.
  18. **Elzeyadi, I.** (2007a). Lillis in Wonderland: Building in-use Performance Assessment of A LEED™ Silver Educational Building. Greenbuild 07: US Green Buildings Council International Conference and Expo. November 6- 10, 2007, Chicago, USA. (1% acceptance rate).
  19. **Elzeyadi, I.** (2007b). Healthy Offices: Windows, Absenteeism, and Health in Work Environments - Evidence Based Guidelines. World Congress on Design & Health (WCDH 2007), June 29th- July 1st, 2007, Glasgow, UK.
  20. **Elzeyadi, I.** (2007c). The relationship between views preference and daylighting quality in offices. Proceedings of the Environmental Design Research Association, EDRA 38 Conference. May 30 - June 03, Sacramento, California.
  21. **Elzeyadi, I.** (2006). Healthy By Design: Post-Occupancy Evaluation of A High-Performance LEED Rated Building. IAPS-19, International Association for People-Environment Studies (IAPS). September 11-16, Cairo, Egypt. CDrom.
  22. **Elzeyadi, I.** & Weisman, J. (2005a). Models of Place: A Systemic Approach to Environmental Quality Research and Design. Research Symposium Chairs, In: Design for Diversity. Proceedings of the Environmental Design Research Association, EDRA 36 Conference. April 27-May 1, Vancouver, British Columbia, Canada. CDrom (Symposium, published abstract).

23. Cheng, N. & **Elzeyadi, I.** (2005b). Unveiling Design and Cognition Process Through Digital Sketching: Methods and Tools for Environmental Design Research. Workshop Presentation, In: Design for Diversity, Proceedings of the Environmental Design Research Association EDRA 36th Conference. April 27 - May 1, Vancouver, British Columbia, Canada. CDrom.
24. **Elzeyadi, I.** (2005c). Just Buildings Telling Stories: A Comprehensive Approach for The Design and Assessment of Sustainable Place Experience in Offices. Models of Place Symposium, In: Design for Diversity, Proceedings of the Environmental Design Research Association EDRA 36th Conference. April 27 - May 1, Vancouver, British Columbia, Canada. CDrom.
25. **Elzeyadi, I.** (2005d). Constructing the Ephemeral: Sensory and Sustainable Experience in the Beginning Design Studio. In: Greener Foundations: Environmental Technology and the Beginning Design Student, SBSE Retreat 2005, Savannah, Georgia, June 9-12, 2005.
26. **Elzeyadi, I.** (2003). Designing-people-designing-places: Integrating Research And Technology In Architectural Design Studios – A Teaching Pedagogy Framework. In: Shaping Places for People pp. 215-216. Proceedings of the Environmental Design Research Association EDRA 34th Conference. May 22-26, Minneapolis, Minnesota.
27. **Elzeyadi, I.** (2002). The Oasis and the Mirage: Cross Cultural Analysis of Environmental Quality and Comfort inside Historical Workplaces-Three Case Studies from Cairo, Egypt. Proceedings of the Environmental Design Research Association, EDRA 33rd Conference, Philadelphia, Pennsylvania. pp. 169.
28. **Elzeyadi, I.** (2000a). A Systemic Model of Indoor Comfort: A protocol for Assessing Occupants' Comfort in the Workplace. Proceedings of the Environmental Design Research Association, EDRA 31st Conference, San Francisco, California.
29. **Elzeyadi, I.** (2000b). Environmental Quality, Sustainability and Adaptive Reuse of 19<sup>th</sup> and 20<sup>th</sup> Century Historical Palaces in Cairo, Egypt. In Metropolis, 16<sup>th</sup> conference of the International Association for People-Environment Studies (IAPS 2000) 4-7 July-Paris, France.
30. **Elzeyadi, I.** (1999a). Consuming Architectural Heritage Through Adaptive Reuse. Poster Presentation at the 87th ACSA Annual Meeting, March 20-23, Minneapolis, MN; The 1999 AIA National Convention & Exposition, May 6-9, 1999 Dallas, TX; and The 1999 ACSA/CIB Technology Conference, June 25-27, 1999, Montreal, Canada.
31. **Elzeyadi, I.** (1999b). From “Palaces” to “Organizations”: Strategies for Historic Preservation through Adaptive Reuse in Cairo. Proceedings of the fifth Annual Meeting of the American Research Center in Egypt, April 23-25, 1999, Chicago-Illinois.
32. **Elzeyadi, I.** (1999c). Assessing the Elephant: Linking Vital Signs Protocols to POE Methodologies. Proceedings of the Environmental Design Research Association, EDRA/ 30th Conference, June 2-5, 1999, Orlando, Florida.
33. **Elzeyadi, I.** (1999d). Alternative Perspectives to Alternative Offices. Proceedings of the Environmental Design Research Association, EDRA 30th Conference, June 2-5, 1999, Orlando, Florida.
34. **Elzeyadi, I.** (1999e). Hassan Fathy in Perspective: Environmental Quality Assessment inside a Hassan Fathy's "Architecture for the Poor." Proceedings of the Environmental Design Research EDRA 30th Conference, June 2-5, 1999, Orlando, Florida.
35. **Elzeyadi, I.** (1997a). Designing for visual comfort in the non-orthogonal office environment: The physical, psychological, and social effects of tilted windows. Proceedings of the Environmental Design Research Association. EDRA 28th Conference, Montreal, Canada p. 167.
36. **Elzeyadi, I.** (1997b). Towards a new conceptualization of thermal comfort in the office environment. Proceedings of the Environmental Design Research Association. EDRA 28th Conference, Montreal, Canada, p. 168.

## Research Reports

1. Elzeyadi, I. (2022). Impact of High-Performance Facades on Occupant's Multi-comfort and Health - An Experimental 4x4 Study. HiPE Press: University of Oregon, Eugene, OR.
2. Elzeyadi, I. (2020). Impact of Green Building Retrofits on Occupant's Performance and Health - A Longitudinal Multi-Year Statistical Analysis. HiPE Press: University of Oregon, Eugene, OR.
3. Elzeyadi, I. (2019). Net-Zero Schools: Results from a comprehensive POE of seven exemplary schools. A report to the Energy trust of Oregon, Net-Zero Fellowship. HiPE Press: University of Oregon.
4. Elzeyadi, I. et al. (2019). Pre/Post Occupancy Evaluation of a Green Double Platinum LEED Building - A Longitudinal Multi-Year

- Study. HiPE Press: University of Oregon, Eugene, OR.
5. Elzeyadi, I. et al. (2018a). Post Occupancy Evaluation and Building Performance Analysis of a Straub Hall. University of Oregon Campus Facilities Planning and Construction. HiPE Press: University of Oregon, Eugene, OR.
  6. Elzeyadi, I. et al. (2018b). Pre/Post Occupancy Evaluation of a Green Double Platinum LEED Building - A Longitudinal Multi-Year Study. HiPE Press: University of Oregon, Eugene, OR.
  7. Elzeyadi, I. et al. (2017). Facade Integrated Technologies for an All Glass Building. Saint-Gobain, Boston, MA. For Saint-Gobain, Northborough, MA. HiPE Press: University of Oregon, Eugene, OR.
  8. Elzeyadi, I. et al. (2016a). Environmental Performance Assessment for Electrochromic Glazing for a High Performance Platinum LEED Building. For SAGE Glass, Faribault, MN. HiPE Press: University of Oregon, Eugene, OR.
  9. Elzeyadi, I. et al. (2016b). Facade Sustainable Technologies Retrofit of an All Glass Building. Saint-Gobain, Boston, MA. For Saint-Gobain, Northborough, MA. HiPE Press: University of Oregon, Eugene, OR.
  10. Elzeyadi, I. et al. (2016c). Roof\_Tech: Advances in Roofing Technologies Assessment and Future Perspectives. For Pre-sans International, Paris, France. HiPE Press: University of Oregon, Eugene, OR.
  11. Elzeyadi, I. et al. (2015). Pre-Post Continuous Indoor Environmental Quality Assessment of a High Performance Office Building. Saint-Gobain/CertainTeed, Malvern, PA. For Saint-Gobain, Valley Forge, PA. HiPE Press: University of Oregon, Eugene, OR.
  12. Elzeyadi, I. (2014): Howard Elementary School - Schematic Design Analysis. HiPE Press: University of Oregon, Eugene, OR.
  13. Elzeyadi, I. (2013a). Facade Integrated Technologies Testing Facility. Oregon Built Environments and Sustainable Technologies Center. OR: UO HiPE Press.
  14. Elzeyadi, I. (2013b). Green Classroom Toolbox. AIA UpJohn Final Report. OR: UO, HiPE Press.
  15. Elzeyadi, I. (2013c). BELS: Benchmarking and Performance Evaluation of LEED Schools. Final Report. OR: UO, HiPE Press.
  16. Elzeyadi, I. (2012a). Indoor Environmental Quality Assessment of High Performance Materials for K-12 Schools Deep Retrofits. Interim Report. OR: UO, HiPE Press.
  17. Elzeyadi, I. (2012b). Green Schools in Grey Zones. OTREC Report #0373.
  18. Elzeyadi, I. (2006). Healthy Offices: The Relationship Between View Quality and Employees' Sick Leave in Work Environments. Lighting Research Center (LRC), Daylight Dividends Program, FINAL REPORT, Lighting Research Center - Rensselaer Polytechnic Institute, Troy, New York, April 2006.on-line publications library, [http://www.lrc.rpi.edu/programs/daylighting/reports\\_publications.asp](http://www.lrc.rpi.edu/programs/daylighting/reports_publications.asp)
  19. Elzeyadi, I. (2005). Post Occupancy Evaluation of the Lillis Business School, A LEED Gold Rated Building, Oregon Survey Research Lab (OSRL). University of Oregon, Eugene, OR, April 2005.
  20. Elzeyadi, I. and Heschong, L. (2001a). Retail and Warehouse Daylighting. Skylighting KnowHow Series. New England: Northeast Energy Efficiency Alliance.
  21. Elzeyadi, I. and Heschong, L. (2001b). Skylighting Cases Studies for the Northeast. Designlights Consortium, Northeast Energy Efficiency Alliance, New England.
  22. Heschong, L. and Elzeyadi, I (2001c). Daylighting and Productivity in Retail and Schools - Follow-up Analysis. New Buildings Institute, WA. Sponsored Study for PIER Lighting Program.
  23. Heschong, L; Elzeyadi, I & Knecht, C, (2001d). Re-Analysis Report: Daylighting in Schools, Additional Analysis. New Buildings Institute, White Salmon, WA.
  24. Elzeyadi, I and Heschong, L. (2001e). Skylighting Market Transformation in the Northeast - Final Report. New York State Energy Research and Development Authority (NYSERDA) sponsored study for its Third Party Market Transformation Program.
  25. Elzeyadi, I., Heschong, L. & Mchugh, J. (2000a). Skylighting Optimization for the Northeast. New York State Energy Research and Development Authority (NYSERDA) sponsored study for its Third Party Market Transformation Program.
  26. Elzeyadi, I and Heschong, L. (2000b). Skylighting Market Base line. Survey Report. New York State Energy Research and

Development Authority (NYSERDA) sponsored study for its Third Party Market Transformation Program.

27. Elzeyadi, I. (1998). The effect of tilted windows on occupants' visual comfort in non-orthogonal office spaces. International Facilities Program, Vol. (2). Houston, TX: IFMA Foundation/Haworth.
28. Elzeyadi, I. (1997a). "AL-SAKINA": Environmental quality assessment for two Cairene houses, between tradition and modernity. CAUPR, University of Wisconsin-Milwaukee Publications Series, Wisconsin, Milwaukee: Center for Architecture and Urban Planning Research.
29. Elzeyadi, I. (1997 b). A Kaleidoscope Model of Indoor Comfort: Towards a systemic protocol for assessing and managing occupant comfort in the work environment. (JCEQA, Monograph ). Milwaukee: The University of Wisconsin-Milwaukee, Johnson's Controls Institute for Environmental Quality in Architecture.
30. Elzeyadi, I. (1995 a). Reconciling the indoor thermal comfort model. CAUPR, University of Wisconsin-Milwaukee Publications Series, Wisconsin, Milwaukee: Center for Architecture and Urban Planning Research.
31. Elzeyadi, I. (1995 b). Modeling indoor thermal comfort: Strategies for energy conservation with building energy analysis. CAUPR, University of Wisconsin-Milwaukee Publications Series, Wisconsin, Milwaukee: Center for Architecture and Urban Planning Research.

### **Invited Lectures Papers & Exhibitions** *selected*

- Transforming Architecture: Data Driven Design. CalPoly Lyle Center, Lecture Series. CA, USA September, 20th 2021.
- Space As Information: Data Disruptions in Research and Practice. Keynote Address. Turkey, May, 20th 2021.
- The Architecture of the Great Outdoors: Design with indoor fractal patterns of biophilia. Group Mackenzie IGNITE Lecture Series. On-line Webinar, November 12th, 2020.
- Net-Zero Schools: From Process to Impacts. Energy Trust of Oregon Lecture and Training Series. Portland, OR, February, 25th, 2020; Eugene OR, March 3rd, 2020; and Bend, OR March 5th, 2020.
- Space as Information: Data-Disruptions in Research and Practice. University of Hong Kong. Department of Architecture Fall Lecture Series, Hong Kong. December 14, 2018.
- Disruptive Building Technologies: Indoor Environmental Quality as Proetus and Panacea. Keynote Address for Saint-Gobain North America Building Science Research Seminar on Sustainable Buildings Practices. Malvern, PA, November 4, 2017.
- Visualizing Multi-Comfort: Indoor Environmental Quality from a Human-Centered Perspective. *Saint\_Gobain Building Science Day*, Northborough, MA, July 21-22, 2017.
- Spatial Impacts of Indoor Environmental Quality on Students' Performance in K-12 schools. Multi-Comfort in Commercial Buildings. *Saint\_Gobain Building Science Day*, Paris, France, September 1-3, 2015.
- An Indoor Environmental Quality Toolbox: Recent Research Projects with Saint-Gobain. SGCP Building Science Research Seminar on Sustainable Buildings Practices and Innovations. Northborough, MA, July 21-22, 2015.
- *20/20: Evidence-Based Retrofit Strategies for Smart Schools*. Council of Educational Facilities and THA architects, Portland, OR, July 14, 2014.
- *Solar Stream: Facade Integrated Photo Voltaic Technologies for Building Retrofits*. Army Core of Engineers, Salem, OR - Sustainability Lecture Series.
- Daylight Delight: Management/Meaning. SGCP Building Science Research Seminar on Daylighting Management. Northborough, MA, July 22-23, 2014.
- *Research Perspectives on the Impact of Sustainable Design on Health & Wellbeing* World Congress for Design and Health Symposium, Doha - Qatar, November 13-15, 2013.
- *Visualizing Environmental Quality: Quantifying Spatial Impacts on People + Buildings*. CertainTeed\_Saint Gobain Building Science Research Seminar, Northboro, MA, October 7, 2013.
- The Future is Triple Green: Integrating Building Science Research in Architectural Design practice and Education, Kuwait, Kuwait University, December 19, 2012.



- Integrating Building Science Research in Architectural Design and Education. King AbdelAziz City for Science & Technology (KACST), Riyadh, KSA, December 3, 2012.
- *Daylighting by Design: AIA Arch 2030 Professional Series - AIA Committee on the Environment and Arch 2030*, San Luis Obispo (+ Various other locations nationally), February 2012.
- *On a Highway: Post-Occupancy and Building Performance Evaluation of A LEED Platinum Building*. AIA Health Forum, Seattle, WA, February 2012.
- *Healthy, Wealthy Wise. Triple Green Indoor Environmental Quality and High Performance Buildings*. Northwest USGBC/ Cascadia Chapter, Eugene, OR. December 8, 2009.
- *Indoor Environmental Quality and Green Buildings*. Sustainable Buildings Advisor Lecture Series, Portland, Eugene & Bend, OR, December, 2007-Date. (Reoccurring yearly)
- *Made of Light*. Sustainable Buildings Advisor Lecture Series, Portland, Eugene & Bend, OR, December, 2007-Date. (Reoccurring yearly)
- *Greening the Building Envelope - Strategies, Tools and Methods*. Executive Energy Management Certificate. Northwest Energy Management Institute, Eugene, OR July 2009-Date (reoccurring yearly).
- *Sustainable Development and Green Buildings*. Panelist in the Sustainable Business Symposium. School of Law, University of Oregon., Eugene, OR, April 11, 2008.
- *Metamaterials: Media for Sustainable Design*. MulvannyG2 Architecture. Head quarters Bellvue, WA, September 16, 2007.
- • *Sustainable Design Process: A Conceptual Model for Future Business Transactions*. Regional Information Technology Institute (RITI), Zamalek - Cairo, Egypt, January 5, 2005.
- "Sustainable Architecture: a Design Agenda for Now and Next." Invited public lecture. Rotary Club of Heliopolis, Cairo, Egypt, December 20, 2004.
- "Recycling Buildings: Consuming Sellwood's Historical YMCA." Invited public lecture and exhibit of student work from the Recycling Buildings Studio of Winter 2004. Sellwood - Morland Community Partnership, SMILE station, Sellwood, Oregon, April 12, 2004.
- "Sun Tracking and Sound Tracing - Poetics of Light & Sound in the Design Studio." Invited theme paper, in Ecological Design Review, University of Oregon, Fall 2003.
- "Recycling Buildings and Sustaining History." Invited public lecture for Sellwood - Morland Community Partnership, SMILE station, Sellwood, Oregon, August 16, 2003.
- "Sellwood Train Barns - Adaptive Reuse Design Proposals." Exhibition of Student Work. SMILE Station, Sellwood, Portland, August 2003.
- "The Space, The Substance, & The Surface: Interpretations on the Role of Technology in Architecture." School of Architecture & Allied Arts, Faculty Lecture Series - University of Oregon, Fall 2002.
- "History as an Asset for Sustainability." Invited Lecture, HOPES Conference, University of Oregon, Spring 2002.
- "Daylighting Makes a Difference!: Skylighting Commercial Buildings." Energy Design Resources, day-long workshops and seminars on commercial skylighting design for architects, engineers and building owners, Various Organizations including local AIA, CSI, IES Chapters in California. Fall 2000 & Spring 2001.
- "Consuming History-Adapting Space." Association of Collegiate Schools of Architecture (ACSA). Initiative for Architectural Research, Traveling Exhibition in ACSA and AIA regional and national conferences, 1999.
- "From Palaces to Organizations: Building Adaptive Reuse in Cairo 1850-1950." The American Research Center in Egypt - Fall Public Lecture Series, Nov. 1998.
- "Architectural Research: Recent Projects" School of Architecture+Urban Planning, University of Wisconsin-Milwaukee, Doctoral Research Exhibition, Fall 1997.
- "Comfort Research and the Quality Work Environment." The Johnson's Control Institute for Environmental Quality in Architecture, Milwaukee, Wisconsin, Spring Lecture Series, April 1997.
- "Occupant Comfort in Non-orthogonal Office spaces with Tilted Windows." Penn State University, Twelfth Annual Graduate Research Exhibition, Spring 1997.
- "A Tale of Two Houses." Vital Signs Traveling Exhibition, North America, 1997-1998 - Winning entries in the Vital Signs

Case Study Competition 1996-1997, ACSA Schools of Architecture in the USA and Canada.

- "Office Buildings - New Perspectives and Modern Challenges" - Winning entries in the Suez Canal Bank Design Competition - Cairo - 1992.
- "Research Labs for the 21st Century." Top University Architectural Graduation Projects - Egyptian Society of Architects - Cairo, Egypt - 1988.
- "Ain Shams University, Architectural Department Yearly Exhibition" - Architectural Exhibition Hall - Cairo, Egypt - 1985, 1986, 1987, and 1988.

## Creative Practice

- On-going      **Saint-Gobain Corporation**  
Designer: Facade retrofit for a 80,000 Sq.ft. all-glass LEED office building, Northborough, MA.  
**Canopy Net-Zero House, Cottage Grove, OR**  
Designer: Massing and Preliminary feasibility design for a net-zero private residence.
- 2019            **Tesla Net-Zero House, Venice Beach**  
Sustainability Consultant: For a Net-Zero 2500 S.F. Residence in Venice Beach, CA with Hatch Inc.
- 2018:           **Trezona Residence**  
Lighting Designer: Mood and Gallery Studies of the Great Room for a case study house in Eugene, OR.
- 2017:           **Presans Inc. - Orsay, France**  
Consultant/Designer: Design and applications of innovative technologies in roofing for high performance residential building typologies.
- 2014:           **Cavin Travelling Fellowship**  
Curator/Jury Coordinator/Juror: Curator and author for the design brief and designer for theoretical travelling competition sponsored by Cavin Foundation.
- McFaden Residence**  
Consultant/Designer: Master Planning, adaptive reuse, and deep energy retrofit for a 3,000 S.F. Private residence in Eugene, Oregon.
- 2012:           **Finzer Court Residence**  
Principal Designer: Interior, Lighting and Furniture design of a 7,000 S.F. private residence in Portland, Oregon.
- 2010:           **Hayden Gallery Lighting and Acoustical Design**  
Lighting Designer: School of Architecture and Allied Arts, University of Oregon.
- Islamic Center of Eugene**  
Principal in Charge/Project Designer: A proposal for the design of a mixed-use community complex consisting a prayer hall (mosque), nursery school, multi-purpose hall, and hostel (6,000 sf.).
- 2009:           **Open Classroom Competition**  
Principal in Charge/Project Designer: Charlemagne Challenge, Adapting a K-12 school to net-zero
- 2008:           **Regenerative Affordable Housing Prototypes**  
Co-Principal in Charge/Sustainability Consultant: Design and analysis for affordable regenerative green housing prototypes and modules for the Kennedy High School Community, Cottage Grove, OR.
- Zonal Courtyard House**  
Principal in Charge/Project Designer: A design proposal for the design of a net-zero energy private residence in New Cairo, Egypt.
- 2006:           **Business Bay Office Tower, Dubai, UAE (invited competition)**  
Principal in Charge/Project Manager: A proposal For Sidra Limited Development Co., Developed technical and financial proposals for the design and construction supervision of a high performance 30-story high end modern business center.  
**Gemxija Housing Competition, Xemxija Hill, Malta (invited proposal)**

- Principal in Charge/Project Manager: A proposal For Miriam Development Co., developed technical and financial proposals for the design and construction supervision of a high-end medium rise residential and commercial complex with a 176,00 sq. meters.
- 2005: **Peace Health Medical Group: Lighting Patterns For River Bend Hospital, Springfield, Oregon**  
Design Consultant: for various lighting systems design and evaluation for a new state of the art hospital that maximizes energy performance, visual comfort, and reduce medical errors in Nurses' Stations, Nurses' Booths, and Doctor's offices.
- 2004: **POST Case Study House: Zero Energy Residence, Eugene, OR**  
Principal in Charge/ Project Architect: A design proposal for a zero energy high performance case study house for POST Development, Inc. A 2,000 sq. ft. house in Eugene, OR.
- 2003: **MALAMA Environmental Learning Center, International Competition**  
Project co-Designer: for a competition entry with Randal Teal and Lars Bleher for a unique hybrid sustainable building complex to shelter a mix of educational spaces that advances conservation and celebrates the natural and cultural heritage of Hawaii via the performing and visual arts.
- 2003: **'INSIDE THE BATHROOM' International Design Competition**  
Principal in charge/Main Designer: competition entry with graduate student Judy Ou for the design of a hybrid water-conserving bathroom system for the Designboom and 'WC water concept' salone dell'arredo bagno, Milan - Italy.
- 2002: **Adaptive Reuse of Beit Alrazaz Conservation Project**  
Project Consultant for the USAID, Egyptian Antiquities Project (EAP) for environmental upgrades and the design of a mixed-mode ventilation system, lighting/daylighting, and acoustics for the reuse of a 14th century palace's service quarters to administrative offices for the EAP.
- 2001: **South California Edison (SCE). Designed for Comfort Green Multi-Family Housing**  
Project Consultant with HMG, Sacramento, CA providing design assistance, education, and energy consultation to architects, developers, and engineers to produce energy efficient housing for Los Angeles and Riverside service territories in Southern California.
- 1998: **Garden City Rehabilitation and Adaptive Reuse Project**  
Project Architect for the Governor of Cairo's Urban Planning and Conservation Office for the Rehabilitation and Adaptive Reuse Feasibility Study of Garden City Historical Quarter, Cairo - Egypt.
- 1995: **El Ghophran Mosque, Nasr City - Egypt**  
Principal Architect, iDC Studio. Architectural design, construction drawings and site supervision for 200 sq.m. Prayer Hall.
- 1994: **Yokohama Port Terminal International Competition, Japan**  
Designer/Architect, in Collaboration with Peter Magyar, AIA.
- 1993 **"Rococo" Residence**  
Principal Architect, iDC Studio. Interior Design, Construction Drawings and Furniture Design, Heliopolis, Cairo - Egypt.  
**"Cube" Residence**  
Principal Architect, iDC Studio. Interior Design, Construction Drawings and Furniture Design, Zamalek, Cairo - Egypt.
- "Complex" House**  
Principal Architect, iDC Studio. Architectural Design and Construction Drawings for a multi-family residential complex at Jubail Farouki Quarter - Saudi Arabia.
- 1988-1993: **Senior Architect/Architecture Team Leader with the Engineering Consultant Group (ECG) International, Cairo, Egypt & Dubai, UAE**  
Designer and Principal Architect, for the following projects:  
- **Abu-Dhabi National Oil Company Administration Building (ADNOC)**, Abu Dhabi - UAE. (Competition - Won 1st Prize). Commissioned to produce final design as well as architectural and engineering services and site supervision.  
- **Petrobel Administration Building**, Headquarter Nasr City - Egypt.

- (Competition, won 2nd prize).
- **ZADCO Camp Facilities**, Residential & Recreational Buildings, Zirku Island - Abu Dhabi - UAE
- **El Moltaka El Arabi Quarter** - Residential complex & villas, Dallah Al-Braka Complex, Almaza, Cairo - Egypt
- **Qasr El Eini - Multi-Story Car Park and Staff Housing** - Cairo.
- **HSC Club-House & Dinning Halls** for Heliopolis Sporting Club Rehabilitation Cairo - Egypt
- **Suez Canal Bank Headquarters**, (Competition - Won 2nd Prize)
- **World Health Organization** - Regional Offices Rehabilitation & Reuse, Alexandria, Egypt. (Competition, won 1st prize & commission)
- **Faisal Bank**, main branch, head quarters and commercial center- Cairo. (Competition, honorable mention).
- **Ballet School** + Residence for Mrs. Samia Alouba- Maadi - Egypt.
- **El-Boustan Tower**, Offices - Commercial Center & Car Park, Cairo.

1987: **"Void" House - Sharkia, Egypt**  
Principal Designer for a minimal country retreat, 100 sq. m.

## Teaching and Instructional Activities:

### Dissertations & Theses Supervised *selected*

- Nasrin Golshany, 2019 - Date, Ph.D. **Chair**  
 "Resilient Design Strategies of Health for Long-term Assisted Living and Elderly Care Settings."
- Sharon Alitema, 2021- 2022, M.Sc. **Chair**.  
 " A Post Occupancy Evaluation of Daylight Performance in Classrooms at River Road Elementary School for Optimal Visual Comfort in Climate Zone 4C."
- Zia Mohajerzadeh, 2020-2022, M.Sc. Architecture (Awarded) **Chair**  
 " The Impacts of Dynamic Solar Screens on Energy Performance and Natural Ventilation Effectiveness in Office Buildings using CFD Simulation Under Different Climatic Conditions."
- Dan Qin, 2020 - 2022, M.Sc. **Chair**.  
 " Visual Preference, Mood, and Aesthetic Judgement of Human Centric Lighting in Office Spaces."
- Sadiqa Al Awadh, 2017-2021, Dissertation (Awarded), **Chair**.  
 "Nine To Five: Design for Chronobiological Aspects of the Indoor Environment."
- Niyati Naik, 2016-2021, Ph.D. Dissertation (Awarded), **Chair**.  
 "Dynamic Shading Screens for Commercial Buildings Facades - Exploring the Aliesthesia Hypotheses of Thermal Comfort."
- Saeideh Nekouee, 2019 - 2020, M.Sc. **Advisor**.  
 "Multi-Comfort Design Guidelines for Contemporary Courtyards in Commercial Buildings."
- Hooman Parhizkar, 2018-2019, Ph.D. **Advisor**.  
 "Impact of Vegetated Double Skin Facades on Indoor Environmental Quality and Occupant's Multi-Comfort"
- Belal Aoushi, 2014-2018, Ph.D. Dissertation (Awarded), **Chair**.  
 "Pleasant Sunlight Patterns and Visual Comfort in Office Environments." Winner King Student Medal Architectural Research Centers Consortium (ARCC)
- Isabel Rivera, 2015-2016, Ph.D. Dissertation, **Advisor**.  
 "Developing Standards and Guidelines for Green K-12 Schools Retrofits and Ecological Teaching in Chile"
- Tanvi Dahar, 2014-2016, M.Sc. Thesis (Awarded), **Chair**.  
 " Comparing Environmental Performance and Indoor Comfort of LEED Certified and Conventional Schools in Houston, Texas."
- Shane O'Neil, 2013-2015, M.Sc. Thesis (Awarded), **Chair**.  
 "Assessing Occupant Energy Behavior from a Perception-action Cycle in Sustainable Buildings."
- Ayesha Batool, 2012-2014, M.Sc. Thesis (Awarded), **Chair**.  
 "Quantifying Environmental Performance Of Jali Screen Façades For Contemporary Buildings In Lahore, Pakistan."
- Joan Vorderbruggen, 2007-2008, M.Arch. Thesis, **Chair**.  
 "Feasibility and Barriers: Assessing Design Attributes for Occupants Utilization of Operable Windows in Office Spaces."

- Udawattage Gamini Weerasinghe, 2011, Ph.D. Dissertation, **External Examiner**.  
"Development of a Framework to Assess Sustainability of Building Projects."  
Department of Civil & Construction Engineering, University of Calgary, Canada.
- Eric Carbonier, 2012-2017, Ph.D. Dissertation (Awarded) **Advisor/Committee Member**.  
"Capillary Building Skins: Integrated Radiant Systems."
- Joe Johnson, 2010-2015, M.Sc. Thesis, **External Examiner**  
"Assessing Occupant Energy Behavior of Three Residential Building Typologies in Oregon with emphasis on energy retrofits and conservation strategies."
- Tara Hanby, 2002-2005, M.Arch. Thesis (Awarded), **Chair**.  
"Sustainable Design Barriers: Unveiling Constraints to LEED Certification in Oregon." Degree Awarded 2005. Winner King Student Medal Architectural Research Centers Consortium (ARCC)

### Independent Studies (selected)

#### Multiple independent studies and directed research with student with an average of 12 credits /term

- Tanvi Dhar 2014-2016, various studies  
"Sustainable Strategies for Retrofitting Contemporary Single Story Housing in India."
- Halit Bayastas, Fall 2012-2014 various courses  
"Energy Efficient Strategies and Livable Urban Density for Multifamily Housing in Istanbul, Turkey."
- Hala Hoffer, Fall 2009  
"Energy Modelling and Simulation of high performance materials for commercial buildings."
- Tracy Bascue, Spring 2006  
"Environmental Design Research Survey Methods and Instruments Developments."
- Robert Cooley, Winter 2006  
"Adaptive Use Architecture: Environmental Evolution in America."
- Bailey Peplow, Spring 2005  
"Developing Design Guidelines for Children Learning Spaces Using Evidence Based Research."
- T.J. Bates, Justin Helm, Kai Liang, Winter 2005  
"UIA International Student Competition: Creating Space in Extreme and Extraordinary Conditions." Won French First Prize for the Competition.
- Joshua Chang, Tyson Gillard, Thomas Kosbau, Fall 2003  
"Energy Revolution International Design Student Competition." (Won First Place)
- Sangeetha Divakar, Winter 2003-Spring 2003  
"Analysis of Wind Flow in Cool Towers."
- Joe Snider, Fall 2002-Winter 2003  
"The Environmental Argument for Historic Preservation."
- Kathy Bash, Winter & Spring 2002  
"Energy and Thermal Comfort Strategies in Mobile Architecture."

### Courses & Studios

#### Course taught at the Department of Architecture, University of Oregon (Full Time Load 2001-Present)

##### DESIGN STUDIOS

I have taught all levels of design studios at the graduate and undergraduate levels as well as thesis studios for multiple years. In addition, I have taught and directed study abroad studios in both Rome, Italy and Cairo, Egypt.

- Arch 4/585 & Arch 4/586 Terminal/Thesis Design Studio (16 credits), typical enrollment 13-16 students.  
Vertical capstone/Thesis studio with multi-disciplinary perspective and architectural technology integration. The studio is offered as the final graduation/thesis studio that is taken in the final year of the M.Arch or B.Arch program. It combines a two-term duration studio with a programming/studio preparation term preceding the studio terms.



Most of these studios led to submissions to students design competitions such as ACSA/AIA COTE Top 10. The studio topics focused on High-Performance Buildings, Adaptive Reuse of Historical Architecture, Innovative Work Environments, Higher Education Buildings and Laboratories, Performance Halls, Museum, and other public buildings types and topics. Studio offerings deal with a real site, client, and settings. Typical enrollment 14-17 graduate and junior undergraduate students. [Offered in: W/S' 16, W/S' 14, W/S'09, W/S'07, W/S'05]

- Arch 4/584 Intermediate Design Studio (6 credits); typical enrollment 14-18 students.  
Vertical advanced studio with multi-disciplinary perspective and architectural technology integration. Most of these studios led to submissions to students design competitions such as Solar Decathlon Design Competition, ACSA/AIA COTE Top 10, and Net-Zero Design Challenge. The studio topics focused on High-Performance Buildings, Net-Zero Buildings, Adaptive Reuse of Historical Architecture, Net-Zero Schools, Innovative Work Environments, Higher Education Buildings and Laboratories, Performance Halls, Museum, and other public buildings types and topics. Studio offerings deal with a real site, client, and settings. Study abroad and summer studios are included in this sequence. [Offered in: Su' 22 (Rome Study Abroad), W' 22, W'21, W'20, W'19, W'18, W'17, W' 15, Su' 13, W'13, W'12, W'10, Su'07, Su'08, W'05, Su'04, W'04, Su'03]
- Arch 680 Introduction to Graduate Design Studio (6 credits); typical enrollment 12-16 students.  
Synthesis: Introduction to Graduate Design Studio.  
[Offered in: Su'20, Su'18, Su'17, Su'10, Su'08, Su'05]
- Arch 283/4 & Arch 383/4 Introduction to Under Graduate Design Studio (6 credits); typical enrollment 15-18 students.  
I have taught and coordinated undergraduate design studios at the beginning and intermediate levels at both the University of Oregon and the University of Wisconsin-Milwaukee.  
[Offered in: S'04, F'03, W'03, S'03, W'02, S'02]

#### REQUIRED LARGE LECTURE COURSES

I have developed and taught Environmental Controls Systems course and designed their curriculum as a hands-on project based interactive course with lectures and lab activities taught at both the undergraduate and graduate levels.

- Arch 4/592 Environmental Controls Systems II (4 credits): typical enrollment 130-150 students  
This is a required large lecture class for both Architecture and Interior Architecture majors. The course cover an introduction to sustainable design principles in topics of architectural technology related to Daylighting, Electric Lighting, Acoustics, Fire Safety, Water & Waste in buildings.  
[Offered in: S'22, S'21, S'20, S'19, S'17, S'15, S'14, S'13, S'12, S'11, S'10, S'08, S'07, S'06, S'05, S'04, S'03, S'02]
- Arch 4/591 Environmental Controls Systems I (4 credits): typical enrollment 132 students  
This is a required large lecture class for Architecture majors. The course cover an introduction to sustainable design principles in topics of architectural technology related to Solar Geometry, Energy in Buildings, Passive Heating/Cooling, HVAC Systems, Vertical Transportation Systems, Ventilation and Indoor Air Quality systems. [Offered in F'01]

#### ELECTIVE ADVANCED SEMINARS

I have developed and taught various advanced seminars at the undergraduate and graduate levels related to sustainable architecture and performance-based design. The are project based interactive courses with lectures and design activities that combined analog and digital tools as well as modeling and simulations.

- Arch 4/507 & Arch 4/510: Capturing the City - Rome/Contextualizing the City - Rome: Theory and Media seminars from the Rome Study Abroad Program. [Offered in: Su'22, Su'19, Su'08, Su'07]
- Arch 4/510 High Performance Buildings Design (4 credits): typical enrollment 20-25 students.  
[Offered in: F'16, F'12, F'10, F'08, F'07, F' 06, F'05, F'04, F'03]
- Arch 4/510 High Performance Dynamic Facades (4 credits): typical enrollment 20-25 students.  
[Offered in: F'21, F'20, F'19, F'18, F'17, F'15, F'14, F'13, F'11, F'09]
- Arch 4/507 Human-Centric Lighting Design (4 credits): typical enrollment 12-15 students.  
[Offered in: S'16, S'14, S'12, S'10, S'08, S'07, S'06]
- Arch 633 History and Theory of Sustainable Design (4 credits): typical enrollment 6-8 students.  
[Offered in: F'12, F'11]
- Arch 399 Williams Seminar: High Tech/Low Tech Strategies (3 credits), enrollment 15 students.  
[Offered in: F'05, F'04, F'03]

- I. Arch 4/592 Advanced Electric Lighting Design (3 credits), enrollment 15-20 students.  
[Offered in: F'04, F'03, F'02 - at UWM: F' 97-99]

## Service

### To The Profession and Community

- **Director at Large/Board Member**, Architectural Research Centers Consortium (ARCC), 2019-Date.
- **Promotion to Professor Reviewer**, Department of Architecture, North Carolina State University
- **Promotion to Professor Reviewer**, Department of Architecture, University of Kansas
- **Promotion to Professor Reviewer**, Department of Architecture, University of Illinois-Urbana Champaign
- **Expert Provider**, International Well Building Institute, Occupant's Survey, 2018-Date
- **Expert Faculty**, AIA + ARCH 2030 Program 2010-Date
- **Expert Faculty**, Sustainable Building Advisor Program 2007-Date
- **Expert Faculty**, DOE Energy Management Program, (EMC2) Lane Community Energy Institute, 2007-Date
- **Member**, Illumination Engineering Society (IES) Daylighting Committee, 2008-Date
- **Concept Advisor**, International Well Building Institute, Air & Thermal Comfort, 2018-2020
- **Member, Editorial Board of Archnet-IJAR, 2007-2018**  
International Journal of Architectural Research; an electronic, academic, peer-reviewed journal
- **Journal Paper Reviewer, Various Journal and Conferences, example:**  
Buildings and Environment  
Energy and Buildings  
Indoor and Built Environment  
Technology and Architectural Design (TAD)  
Journal of Architectural Education (JAE)  
Journal of Architectural Engineering & Technology  
Journal of Environmental Psychology  
Journal of Building Research Information  
Journal of the International Solar Energy Society  
American Association of Heating Ventilation and Air Conditioning Engineers (ASHRAE)  
Illumination Engineering Society of North America (IESNA)  
American Solar Energy Society (ASES/Solar)
- **Member, Scientific Review Committee - Various Conferences - 2012-Date**  
Association of Collegiate Schools of Architecture Annual Meeting (ACSA)  
Passive and Low Energy Architecture Association (PLEA)  
Environmental Design Research Association (EDRA)  
Architecture Research Centers Consortium (ARCC)  
World Congress for Design and Health (WCDH)  
USGBC Greenbuild National Conference and Expo (Greenbuild)  
International Building Performance Simulation Association (IBPSA)  
Sustainable Built Environment Conference (SBE)
- **President Elect/President/and board member** Society of Building Science Educators, SBSE 2009-2015
- **Chair/Member, Sustainable Design Awards Committee**, World Congress for Design and Health, 2013-2015
- **Appointed Member**, USGBC Research Advisory Committee, 2010-2014
- **Appointed Member**, World Congress for Design and Health, Scientific Committee, 2012-2014
- **Member**, Illumination Engineering Society (IES) Health and Light Committee 2009-2019, Team Leader, 2009-2011
- **Chair- Daylighting and Automation Track, ASES/Solar Conference 2013**
- **Chair- Society of Building Science Educators Retreat, Mt. Baldy, California 2013**
- **Member, Technical Review Committee, ARCC 2007 Conference**  
Paper Reviewer for the Architectural Research Center Consortium Conference 2007, Eugene, Oregon.
- **Member, Technical Review Committee, EDRA38 Conference, 2007**
- **Invited Session Chair, ASES Conference, 2006, Daylighting Performance & Evaluation**

- **Book Reviewer, 2004-2005**, John Wiley and Sons: Design and Construction Technical Books
- **Invited Session Chair, Solar World Congress, 2005**, Building Performance Evaluation
- **Member, IESNA Portland Chapter, Educational Committee, 2003-2005**, Strategic planning for IES educational programs and fellowships in Oregon.
- **Consultant, Sellwood & Morland Preservation Committee, 2003-2005**, Consulting and community design charrettes coordinator for adaptive reuse and preservation of historical properties in Sellwood, south of Portland, OR.

#### **To The University of Oregon**

- **Member**, Campus Learning Modalities Advisory Board, University of Oregon, 2021-Date
- **Appointed Member**, Graduate Studies Council, University of Oregon, 2019-Date
- **Member**, Campus Environmental Issues Committee, University of Oregon, 2018-2020
- **Member**, International Studies Committee, University of Oregon, 2018-2019
- **Member**, Solar Energy Center, University of Oregon, 2008-Date
- **Member**, Faculty Ombuds Committee, University of Oregon, 2017-2018
- **Appointed Member**, Campus Planning Committee, University of Oregon, 2013-2015
- **Appointed**, Campus Sustainability Council, University of Oregon, 2010-2013
- **Member**, Campus Sustainability Task Force, University of Oregon, 2007-2010
- **Elected Member**, University of Oregon Faculty Advisory Council, 2004-2006
- **Consultant**, University of Oregon Faculty Knight Library Reference Room redesign and lighting retrofits, 2005
- **Member**, Erb Memorial Student Union, Master Planning Committee, 2002-2004.
- **Advisor**, Faculty Instructional Technology & Training (FITT) Center, 2002-2006.

#### **To The School and Department**

- **Director of Graduate Studies**, Department of Architecture, 2018-Date.
- **Chair**, Department of Architecture, Graduate Studies Committee, 2018-Date.
- **Chair**, Department of Architecture, Graduate Admissions Committee, 2018-Date.
- **Member**, Ph.D. Program in Architecture Committee, 2010-Date.
- **Member**, Admissions and Scholarships Committee, 2010-Date.
- **Elected Chair**, Department of Architecture, Faculty Personnel Committee, 2017-2019.
- **Member**, Faculty Search Committee 2017-2018 & 2020-2021
- **Member**, John Reynolds Sustainability Symposium Committee, 2014-2015.
- **Member**, Institute for a Sustainable Environment, 2012-2014.
- **Member**, Center for Housing Innovation, 2005-2012.
- **Member**, Department of Architecture, Baker Lighting Committee 2001-2015.
- **Member**, Lectures and Exhibitions Committee, 2009-2011.
- **Elected Member**, Department of Architecture, Faculty Personnel Committee, 2007-2009.
- **Member**, School of Architecture & Allied Arts, Diversity and Equity Committee 2006-2009.
- **Member**, Department of Architecture, NAAB Exhibit Committee, 2006-2007.
- **Member**, School of Architecture & Allied Arts, Historic Preservation Committee 2004-2006.
- **Member**, Department of Architecture, Graduate Research Committee 2004-2006.
- **Chair**, School of Architecture & Allied Arts, Research Liaison Committee 2003-2004.
- **Studio Coordinator**, Department of Architecture, Intermediate Design Studio 2003-2004.
- **Member**, School of Architecture & Allied Arts, Research Liaison Committee 2002-2003
- **Chair**, Department of Architecture, Faculty Research Colloquium Committee 2001-2003.