

Debra Harris, PhD

EDUCATION

- Doctor of Philosophy, Architecture, emphasis Health Systems Planning & Public Policy, Texas A&M University, 2000
- Master of Interior Architecture, University of Oregon, 1994
- Bachelor of Science, Human Ecology, Interior Design, Southwest Texas State University, 1986

CERTIFICATIONS

- Certified Healthcare Interior Designer (CHID) Certificate No.0025
- National Council for Interior Design Qualification (NCIDQ) Certificate No. 013690
- Certificate for Indoor Air Quality Testing, Texas Engineering Extension Service

ACADEMIC EXPERIENCE

- University of Florida, Gainesville, FL, Assistant Professor, 2003-2007
- The University of Tennessee, Knoxville, TN, Assistant Professor, 2000-2001
- The University of Texas, Austin, TX, Lecturer, 1999
- Texas A&M University, College Station, TX, Lecturer, 1997-2000
- University of North Texas, Denton, TX, Assistant Professor, 1994-1995
- University of Oregon, Eugene, OR, Graduate Teaching Fellow, 1992-1994

AWARDS + HONORS

- Judge, Modern Healthcare Design Awards, 2009
- Nightingale Award for Centé Patient Chair, consultant to Brandrud, 2007
- Teacher of the Year, College of Design, Construction and Planning, University of Florida, 2006
- TeamVISTA Award, American Society for Healthcare Engineering, 2003
- ASID Joel Polsky Achievement Award, 2002
- ASID Design Award, First Place, Davis Partnership Architects/PVHS 2002
- The Architectural Research Centers Consortium/King Student Medal for Excellence in Architectural + Environmental Design Research, 2001

GRANTS + FELLOWSHIPS

- Academy of Architecture for Health, NICU Parent Behavior Study, Co-Investigator, \$5,000 (2007)
 - AIA Research Foundation, NICU Parent Behavior Study, Co-Investigator, \$7,500 (2007)
 - Interface Flooring Systems, Inc., Carpet Tile Seam Integrity Research, Principal Investigator, \$55,000 (2005)
 - UFDCP Research Faculty Award, \$2,745 (2005)
 - U.S. Department of Housing & Urban Development, Healthy Homes Technical Studies Program,
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Application of photocatalytic disinfection to control indoor contamination: a strategy to minimize the risk factors associated with asthma and other respiratory illness in children and other occupants of public and privately owned housing, Principal Investigator, \$827,894 (2004)

- Coalition for Health Environments Research, Neonatal Intensive Care Unit Environmental Design Research: A Comparison between Open Bay and Single Family Rooms, Principal Investigator (2004)
- UFDCP Research Faculty Award, \$19,218 (2004)
- International Interior Design Association Lester Johnson Memorial Fund Fellowship, \$6,000 (1998)
- Texas A&M University Women's Faculty Network Graduate Scholarship, \$4,000 (1998)
- St. Joseph Regional Health Center, Principle Investigator, \$20,000 (1997)
- AHA/AIA Graduate Fellowship in Health Facility Planning & Design, Principal Investigator, \$6,800 (1994)
- International Interior Design Association Professional Fellowship Award, Graduate Fellowship, \$3000 (1993)

PUBLICATIONS

Books, Chapters and Essays

1. Harris, D. (2014). The life and times of the NICU: Parent experience and quality of care. In Shepley, M. *Design for Pediatric and Neonatal Critical Care*, New York, NY: Routledge Press.
2. Leibrock, C. & Harris, D. (2011). *Design Details for Health: Making the Most of Design's Healing Potential, 2nd Edition*. New York, NY: John Wiley & Sons, Inc.
3. Harris, D. (2009). *Family experience in the ICU environment*. In Hamilton, K. & Shepley, M. *Design for Critical Care*. Oxford, UK: Elsevier.
4. Harris, D. (2009). *Evidence Based Design for Healthcare Facilities*. In J. Dickinson & J. Marsden (Eds.), *Informing Design*. New York, NY: Fairchild Books.
5. Harris, D., Joseph, A., Becker, F., Hamilton, K., Shepley, M., & Zimring, C (2008). *Practitioner's Guide to Evidence-Based Design*. San Francisco, CA: The Center for Health Design.
6. Harris, D. (2008). *Expert Spotlight: Airborne Particulates and Interior Finish Materials*. In Kopec, DAK, (2008). *Health, Sustainability and the Built Environment*. NY: Fairchild Books.

Refereed Publications

1. Harris, D. & Fitzgerald, L. (in press). Life-cycle cost analysis (LCCA): a comparison of commercial flooring. *Facilities*, 35(7/8).
2. Harris, D. (in press). A material world: a comparative study of flooring material influence on patient safety, satisfaction and quality of care. *Journal of Interior Design*.
3. Harris, D. (in press). Surface finish materials: Considerations for the Neonatal Intensive Care Unit (NICU). *Newborn & Infant Nursing Reviews*.
4. Harris, D. & Fitzgerald, L. (2015). A life-cycle cost analysis for flooring materials for healthcare facilities. *Journal of Hospital Administration*, 4(4): 92-100. DOI: 10.5430/jha.v4n4p92. Open access: <http://www.sciedu.ca/journal/index.php/jha/article/view/6677>
5. Harris, D. (2015). The influence of flooring on environmental stressors: A study of three flooring materials in a hospital Health Environments. *Health Environments Research & Design Journal*, 8(3). DOI: 10.1177/1937586715573730
6. Harris, D. (2014). Return on investment of a LEED platinum hospital: the influence of healthcare facility environments on healthcare employees and organizational effectiveness. *Journal of Hospital*

Administration, 3(6): 37-55. DOI: 10.5430/jha.v3n6p37. Open access:
<http://www.sciedu.ca/journal/index.php/jha/article/view/5161>

7. Detke, L. A., Harris, D. D., & Particini, C. A. (2013). Hospital facility design's influence on health care workers. *The Internet Journal of Healthcare Administration*. 8(2).
8. Harris, D. D., & Detke, L. A. (2013). The role of flooring as a design element affecting patient and healthcare worker safety. *Health Environments Research & Design Journal* 6(3), pp. 95–119.
9. Harris, D., Pacheco, A. & Lindner, A. (2010). Detecting potential pathogens on hospital surfaces: an assessment of carpet tile flooring in the hospital patient environment. *Indoor and Built Environment*, 19;2:239-249.
10. Shepley, M., Harris, D., & White, R. (2007). Open-bay and Single Family Room Neonatal Intensive Care Units: Caregiver Satisfaction and Stress. *Environment and Behavior*. Vol. 40, No 2, pp. 249-268.
11. Parkinson, S., Havenhand, L. & Harris, D. (2007). *Proceedings of IDEC '07: Creating a Ph.D. Program in Design Environments*. Austin, Texas.
12. Harris, D. (2007, March 8, 2007). *Proceedings of IDEC '07: Flooring in Patient Units: Testing Carpet Tile Seam Integrity for the Impediment of Microbial Contamination and Moisture to the Backing and Subfloor*. Austin, Texas.
13. Harris, D., Brang, M., Harper, L., Jordan, S., Last, C., Manon, M., Mas, J. & Stewart, V. (2007, March 9, 2007). *Proceedings of IDEC '07: Single Family Room (SFR) Neonatal Intensive Care Unit (NICU) Design: Testing Space Allocations for the Redesign of Existing NICUs for the SFR Configuration*. Austin, Texas.
14. Harris, D., Shepley, M., White, R., Kolberg, K., and Harrell, J. (2006). The impact of single family room design on patients and caregivers: executive summary. *Journal of Perinatology*, Supl 3, S38-S48.
15. Harris, D. (2000). Environmental quality and healing environments: a study of flooring materials in a healthcare telemetry unit. *Dissertation Abstracts International*, 4202(00), DAI-A61/11. (University Digital no. AAT 9994253)

Publications, Not Refereed

1. Harris, D., *Book Review: Sustainable Healthcare Architecture, Second Edition*. Authors: Robin Guenther, FAIA, LEED AP & Gail Vittori, LEED Fellow. Publisher: John Wiley & Sons, Inc. (2013) for Contract Magazine
2. Harris, D., *Book Review: Evidence-Based Healthcare Design*. HERD: Health Environments Research & Design Journal, 2009. 2(4): p. 132-135.
3. Harris, D. (2008). Flooring in patient units: testing carpet tile seam integrity for the impediment of microbial contamination and moisture to the backing and subfloor. *FacilityCare*. Vol. 13, No 1, pp. 14-18.
4. Harris, D. (2008, January). Standing Tall: Designing to reduce patient falls in the acute care environment. *Health Facilities Management*. Vol. 21, No 1, pp. 21-26.
5. Harris, D., Lindner, A., and Pacheco, A. (2006). *Applied research in the acute care facility: implications for the use of carpet tiles in patient unit corridors*. Florida, USA: University of Florida, Department of Interior Design.
6. Harris, D., Shepley, M., and White, R. (2005). NICU environmental design research: The impact of single family rooms on patients, families, and healthcare workers. *The Coalition for Health Environments Research*.
7. University of Florida Presidential Inauguration Exhibit, "Community/Academia Design Partnerships," College of Design, Construction, and Planning Gallery in Architecture Building, 2004
8. American Hospital Association (2003, March) Vista Award Recipients: The Best in Team-Based Projects. *Health Facilities Management*. (work cited).

9. Urquhart, C. (2001, May 5) Rooms with a Welsh View: New Wave Hotels. *The London Times*. (work cited).
10. Tassinari, L., Well, W., Ulrich, R., & Harris, D. D. (1998). The Impact of the Design of Interiors on Productivity in the Work Place: An Annotated Bibliography [On-line]. *American Institute of Architects Interiors PIA*.
11. Bame, S. I., Harris, D. D., Hing, Y. T., Kunesh, R., McGehee, M., & Williams, S. (1997). HIV/AIDS: Health Systems Planning & Programming. Texas A&M University, *Hazard Reduction and Recovery Center*. College Station, Texas.
12. Harris, D. (1995). *Task Force: Environmental Lighting (Video)*. LTCN, Carrollton, Texas.
13. Harris, D. (1995). Eugene / Springfield Access Guidebook: For Citizens and Visitors with Disabilities. *Human Rights Commission*. Eugene, Oregon.
14. Harris, D. (1994). Integrating technology: responsible design for the nursing station. *American Institute of Architects*. Washington DC.
15. Young, J. & Harris, D. Master Plan for Blue Mountain Hospital. John Day, Oregon, 1994

Reviewer

1. Indoor and Built Environment (IBE Journal)
2. Health Environments Research and Design Journal (HERD Journal)
3. Children, Youth and Environments (CYE)
4. Pearson Publishing book reviewer
5. Academy of Architecture for Health Foundation (AAHF) Grant review
6. Book Review: Sustainable Healthcare Architecture, Second Edition. Authors: Robin Guenther, FAIA, LEED AP & Gail Vittori, LEED Fellow. Publisher: John Wiley & Sons, Inc. (2013) for *Contract Magazine*
7. Book Review: Evidence-Based Healthcare Design. HERD: Health Environments Research & Design Journal, 2009. 2(4): p. 132-135.

LECTURES + PRESENTATIONS

1. Chemical exposure from upholstered furniture and other consumer products. NeoCon, Chicago, IL, 2016
2. Sustainable design impact on patient healing, worker safety, and financial ROI, Design Connections, Ponte Vedre, FL, 2016
3. Life cycle cost analysis for K-12, Design Retreat, 2016.
4. How floor materials affect acoustics, comfort and patient HCAHPS scores. HCD15, Washington DC, 2015
5. A comprehensive life cycle cost analysis for hospital flooring materials, Interactive. HCD15, Washington DC., 2015
6. Chemical exposure from upholstered furniture and other consumer products. Sustainable Furnishings Council, High Point, NC., 2015
7. Flame retardant chemicals in healthcare environments. NeoCon, Chicago, IL, 2015
8. Acoustics and comfort – flooring impact on sound levels, employee comfort and patient satisfaction, NeoCon, Chicago, IL. 2015
9. Design Implications of Reduced Medicare + Medicaid Payments for Acute Care, NeoCon, Chicago, IL, 2014
10. EBD Interventions to Reduce Noise and Increase Safety and Satisfaction. Sponsored by Interface, San Francisco, CA, 2014
11. Acoustics in Healthcare Environments. Sponsored by Contract Magazine, Minneapolis, MN, 2013

12. Outcomes + Cost Implications: Sustainable Design for Hospital Planning. Healthcare Facilities Symposium, Chicago, IL, 2013
13. Baby Boomers – the Next Design Challenge in Healthcare. IIDA Healthcare Forum Reception and Program, sponsored by Interface. HCD, Phoenix, AZ, 2012
14. Environmental Design for Infection Prevention: Healthcare, Facility Design. U. S. Department of Veterans Affairs Environmental Services Conference, Chicago, IL, 2012
15. Healthcare Environments + Sustainability: Determining the Return on Investment Value of Sustainable Design. NeoCon, Chicago, IL, 2012
16. Responsive Design for the Bariatric Patient: How will New Guidelines Impact Health Facility Design? NeoCon, Chicago, IL, 2011
17. Roundtable: An Evidence-based Design Approach for Designing Environments responsive to the Bariatric Patient. HCD 2010, Las Vegas, NV, 2010
18. Reviewing the Evidence for Infection Prevention in Healthcare Facility Design. NeoCon East, Baltimore, MD, 2010
19. The Role of Flooring Selection and Maintenance on Infection Prevention. Healthcare Facilities Symposium, Chicago, IL, 2010
20. Environmental Design for Infection Prevention: Healthcare Facility Design. NeoCon. Chicago, IL., 2010
21. Evidence-based Design: Optimizing Design Outcomes. Invited presentation at Texas Christian University Department of Interior Design, Ft. Worth, TX., 2010
22. Sustainable Design for a Healthy Hospital. Invited presentation at Texas A&M University College of Architecture Fall 2009 Lecture Series for Architecture-for-Health, Toward a Sustainable and Healthy Future in the Context of Health Reform., 2009.
23. A Practitioner's Guide to Evidence-Based Design, presented by Paul Barach. Presented at the Healthcare Design '09 Conference, Orlando, FL., 2009
24. First Look Colloquium: Impact of Single Family NICU Rooms on Family Behavior. Presented at the Healthcare Design '08 Conference, Washington D.C., 2008
25. Q & A for Project Based Healthcare Design Research, Roundtable Discussion. Presented at the Healthcare Design '08 Conference, Washington D.C., 2008
26. Design and Research on Neonatal Intensive Care Units. Presented at the Healthcare Design '08 Conference, Washington D.C., 2008
27. Impact of single family NICU rooms on families. American Institute of Architects National Convention, Boston, MA., 2008
28. Healthcare and floors... What's a designer to do? Evidence on tile seam integrity of modular flooring systems. Paper presented at the Healthcare Design '07 Conference, Dallas, Texas, 2007
29. *Neonatal intensive care unit design and family centered care.* Paper presented at the Agency for Healthcare Administration (AHCA) Conference, Orlando, Florida, 2007
30. *Healthcare flooring issues – Modular tile integrity: Mold, moisture and bacteria.* Paper presented at NeoCon, Chicago, Illinois, 2007
31. *Creating a Ph.D. Program in Design Environments.* Paper presented at the Interior Design Educator's Council International Conference '07, Austin, Texas, 2007
32. *Flooring in Patient Units: Testing Carpet Tile Seam Integrity for the Impediment of Microbial Contamination and Moisture to the Backing and Subfloor.* Paper presented at the Interior Design Educator's Council International Conference '07, Austin, Texas, 2007
33. *Single Family Room (SFR) Neonatal Intensive Care Unit (NICU) Design: Testing Space Allocations for the Redesign of Existing NICUs for the SFR Configuration.* Poster presented at the Interior Design Educator's Council International Conference '07, Austin, Texas.

34. Design Implications for Single Family Room Design of the NICU, presented at *Healthcare Design 06 Conference*, Chicago, Illinois, November 2006.
35. Advances in Acute Healthcare Design Research: Coalition for Health Environments Research and a Recent Study: The Impact of Single-room Neonatal Intensive Care on Users' Health and Satisfaction, presented at *EDRA 37*, the international conference for the Environmental Design Research Association, Atlanta, Georgia, May 2006
36. Neonatal ICU Single Family Room Design Impact on Patient, Families, and Staff, presented at *The Physical and Developmental Environment of the High-Risk Infant*, Orlando, Florida, January 2006
37. Neonatal Intensive Care Unit Environmental Design Research: A Comparison Between Open Bay and Single Family Rooms – a discussion of the findings, presented at the telephone seminar, *Applied Research in Healthcare Planning and Architecture*, the American Institute of Architects Academy of Architecture for Health, online, November 16, 2005 3:00 PM – 4:30 PM
38. A Comparison of NICU Designs focusing on Space Allocation and Construction Costs, presented at the *Interior Design Educator's Council South Regional Conference*, Tallahassee, Florida, October 2005
39. The Impact of the Single Family Room NICU on User Outcomes and Future Design Decisions: A Case Study Comparing Defined Configurations of Level III NICUs, invited presentation at the *Symposium on Healthcare Design*, Atlanta, Georgia 2005
40. Research, healthcare design, and medical outcomes, invited workshop presentation, *Symposium on Healthcare Design*, Chicago, Illinois, 2002
41. Healthcare environment and marketplace: Facilities safety and security, presentation and panel discussion, *Premier Supply Chain Annual Conference and Exhibition*, Orlando, Florida, 2002
42. Environmental Health Issues: Selecting Appropriate Flooring Materials for Patient Environments, invited presentation, *Children's Medical Center of Dallas*, Dallas, Texas, 2000
43. Environmental Quality and Healing Environments: A Study of Flooring Materials in a Healthcare Telemetry Unit, invited presentation, *International Interior Design Association Foundation Reception*, NeoCon, Chicago, Illinois, 1999
44. Environmental Quality and Healing Environments: A Study of Flooring Materials in a Healthcare Telemetry Unit, accepted for poster presentation, *Interior Design Educators Council Conference*, Clearwater, Florida, 1999
45. Teaching, Research and Practice: A Teaching Philosophy, invited presentation, *Department of Interior Design at University of North Carolina*, Greensboro, NC, 1999
46. The Use of Multiple Methods in Data Collection for Applied Research, invited presentation, *Texas A&M University School of Architecture Graduate Studies in Healthcare Research*, College Station, TX, 1999
47. A Research Methodology for the Evaluation of Indoor Environmental Quality, invited presentation *Texas A&M University Graduate Women's Research Symposium*, College Station, TX, 1998
48. Productivity: What really Influences and Affects It, invited panel presentation *American Institute of Architects National Convention*, San Francisco, CA, 1998
49. Informing the Consumer about the Benefits of Therapeutic Design: Communication through Participation invited workshop presentation, *EDRA Annual Conference*, St. Louis, Missouri, 1998
50. Integrating Technology: Responsible Design for the Nursing Station. invited presentation *American Institute of Architects Committee on Health Conference*, Philadelphia, PA, 1994

TEACHING

Courses Taught

- 1st and 2nd year master studio

- 3rd year undergraduate studio
- 4th year undergraduate studio
- Graduate studies research methods
- Graduate studies interdisciplinary environmental research & behavior
- Architectural programming, evidence-based
- Indoor environmental technology
- Lighting application and design
- Individual studies
- Graduate thesis committees

Committee Member for Master Degrees

- Lori Anderson, Preferred lighting elements for establishing a positive mood in clientele shopping within a trendy, fashion boutique environment. Expected graduation date: Spring 2007 (Chair)
- Sarah Cain, "A comparative case study of flooring materials used in a LEED registered Hilton hotel & a non-LEED registered Hilton hotel," Expected graduation date: Spring 2007 (Chair)
- Juli Mitchell, "Impact on carpet tile in a hospital patient unit corridor: an observational study," Summer 2006 (Chair)
- Preethi Prakash, "Effect of indoor environmental quality on occupant's performance: A comparative study," Fall 2005 (Chair)
- Providence LeGrand, "The central gallery at the Florida Museum of Natural History: usage and behavior of visitors," Summer 2005 (Chair)
- Paige Hardy, "Cost and design analysis of neonatal intensive care units: comparing single family room, double occupancy, open-bay, and combination settings for best design practices," Summer 2005 (Chair)
- Kimberly Rutkin, "User preference of interior design elements in hotel lobby spaces" April 2005 (Chair)
- Miriam Garcia, "The Impact of the Learning Environment on a Child's Behavior," April, 2005 (Chair)
- Cassandra Lozada, "Flooring Materials – Life Cycle Costing for M.E. Rinker, Sr. School of Building Construction at the University of Florida," December 2004 (Chair)

SERVICE TO THE UNIVERSITY

University of Florida, College of Design, Construction and Planning

- College Senate Nominating Committee, College of Design, Construction & Planning, 2006
- College Public Relations Committee, College of Design, Construction & Planning, 2004-2006
- College Committee for Faculty Service Award, 2003-2005
- College Search Committee, Associate Dean of Research, 2003-2004
- College Teacher/Advisor of the Year Award, Chair, 2006-2007
- College Concentration of Sustainable Design Development Committee, 2004-2006
 - Multidisciplinary certificate in sustainable design approved for Fall 2007
- Steering Committee, Department of Pediatrics Palliative Care, Development of a Palliative Care Home for Pediatric Patients and their Families in the College of Medicine, Department of Pediatrics 2004-2006
- Board of Directors, Baby Gator Child Development and Research Center, 2004-2007
 - Long Range Planning Committee member, 2005-2007
 - Chairman of the Board, 2006-2007
 - Negotiated University of Florida acquisition

- Planning and design of existing classroom remodel
- Programming for new facility
- Developing documentation for University approval
- Studio project focused on new state of the art facility for young child learning environments
- Department of Interior Design
 - Spring Lecture Series (CEU), Cynthia Leibrock, 2005
 - Search Committee, Interior Design Faculty (3), 2004-2006
 - Faculty Advisor, ASID Student Ch. 2004-2005
 - Search Committee, Interior Design Chair, 2003-2004
 - Graduation Marshal, 2003-2005

The University of Tennessee

- Dean's Advisory Council, College of Architecture, 2000-2001
- College of Architecture Curriculum Committee, 2000-2001
- Department of Interior Design
 - Admissions Committee, 2000-2001
 - Interior Design Curriculum Committee, 2000-2001
 - Coordinator, Interior Design Internship Program, 2000-2001

University of North Texas

- Department of Interior Design, Academic Committee, 1994-1995
- Department of Interior Design, Gallery/Permanent Collection Committee, 1994-1995
- Department of Interior Design, Ray Gough Lecture Series Committee, Chair, 1994-1995
- Department of Interior Design, FIDER Accreditation Report Submission, 1994-1995
- Department of Interior Design, Admissions Committee, 1994-1995

PROFESSIONAL EXPERIENCE

- RAD Consultants, Austin, TX, Healthcare Systems Planning, Design and Research, 2008-present
- Consultant to healthcare systems, product manufacturers, and architecture firms, 2003-2008
- Davis Partnership Architects 2001-2003
- Walter Dorwin Teague 1994-1996
- Trammell Crow Company 1988-1992
- KSD Architecture Associates 1986-1988

SERVICE TO THE PROFESSION

- Underwriter Laboratories Council: Formaldehyde Panel. Advisory session on formaldehyde and issues surrounding human and environmental health, 2016
- Facility Guidelines Institute (FGI) Guidelines for the Design and Construction of Health Care Facilities, Health Guidelines Revision Committee, Specialty Sub-Group for Residential Health Care Facilities. Development of Volume 2 for the FGI Guidelines for the Design and Construction of Health Care Facilities focused on Long-Term Care design criteria and processes, 2010-present
- The Senior Living Sustainability Guide; Contributor, 2013. A sustainable approach to senior living care models, development and design. The guide focuses on pre-development analysis, social culture context, key dimensions (resident, organization, operations, and physical setting), and benchmarking outcomes to establish a process for continual improvement.
- Fellow of the Center for Health Systems & Design (CHSD), TAMU, 2008-present. Interdisciplinary research with faculty fellows related to NICU environmental design, sustainability and the impact on

employees, patients, organizations, and indoor environmental quality. Mentor to students at TAMU within architecture and engineering programs; and lectured through the health lecture series.

- Center for Health Design Research Coalition, 2006-2010. The CHD Research Coalition nurtures, supports and produces evidence-based design research that contribute to therapeutic, safe, efficient and effective healthcare settings. Comprised of research professionals, design practitioners and healthcare administrators, the Research Coalition steers funding for healthcare design research, helps guide these projects to success and develops information and tools for implementing evidence-based design in existing and new facilities.
- **GreenGuard Environmental Institute (GEI) Advisory Board, 2004-2010.** GEI is an independent group of experts with a common interest in indoor air quality and public health. As a GEI Advisory Board member, I contributed with expertise and development of programs that inform the planning, designing, constructing and occupation of buildings, addressing the environmental and health impact of those buildings.
- American Academy of Healthcare Interior Designers (AAHID), Certificate #0025, 2005-present. *Founding Member, Advisory Council past member, Past Director of Academic Research, Past Director of Credentials Committee. Development and vetting of accreditation exam.*
- U.S. Green Building Council, member, 2003-present. Reviewer of LEED Reference Guide; founding member of Colorado Chapter of the USGBC.
- The Coalition for Health Environments Research (CHER) Research Council, 2002-2006. CHER was an organization that promoted, funded, and disseminated research on humane, effective and efficient healthcare environments through multidisciplinary collaboration dedicated to the quality of healthcare for all.
- Environmental Design Research Association (EDRA), 1997-present
- Graduate Research Associate, Center for Health System and Design, Texas A&M University, College Station, TX, 1997-2000

PROFESSIONAL PRACTICE (SELECTED)

- DuPont, The Role of Solid Surfacing in Infection Prevention, Control, and Mitigation
- Davis Partnership Architects, Children's Hospital Colorado, Pre/post survey for EBD renovation project
- Underwriters Laboratories, Environmental safety: chemical exposure from upholstered furniture and other consumer products
- Underwriters Laboratories, Environmental agents contributing to work-related asthma among acute care nurses, literature review and proposed study plan
- Interface, Life Cycle Cost Analysis, Development of protocol and analysis for LCCA, Trainer
- Wake Forest University, Post occupancy evaluation of the new business school. Researcher
- Knoll, The Influence of higher education environments on student learning experience.
- Dell Children's Medical Center of Central Texas, Austin, TX, Analysis of Seton Healthcare Family hospitals and impact of sustainable practice on employee outcomes
- KI, Green Bay, WI. Research Consultant, Trainer
- Mohawk Industries, Inc. Research Consultant, Trainer
- Watkins Hamilton Ross Architects, Evidence Based Design Consulting
- American Academy of Healthcare Interior Designers. Development of credentialing exam
- Methodist Hospital, Houston, TX, Comparative study on rounding in the ICU
- St. Joseph Hospital North, Lutz, FL, Interior Design
- University of Texas School of Nursing Addition, Austin, TX, Interior Design

- Skyline Art Services, Research Consultant
- Downtown Austin Alliance Headquarters, Austin, TX, Interior Design
- Environ Corporate Headquarters, branded environment, New York, NY
- Florida Museum of Natural History, Gainesville, FL, Research and Design Consultant
- Springbox Corporate Headquarters, branded environment, Austin, TX
- Brandrud, Product Design Review and Infection Control Consultant
- Virginia Commonwealth University Department of Interior Design, Program Development of Interior Design and Health Administration combination Ph.D. program
- Shands Hospital, Department of Pediatrics, Palliative Care Home from Home, Gainesville, FL, Research and Design Consultant
- Baby Gator Child Development and Research Center, Gainesville, FL, Research and Design Consultant
- Shaw Industries, Inc., Dalton, GA, Research and Design Consultant, Trainer
- University of Colorado Health, Level II NICU, Ft. Collins, CO, Planning and Design Consultant
- St. Mary's Health Center, Pierre, South Dakota, Planning and Design Consultant
- University of Colorado Health, Pre-design and Health Systems Planning, Ft. Collins, CO, Planning and Design Consultant
- University of Colorado Health, Surgical Neurological Intensive Care Unit, Women's Care, Birthing & NICU, Oncology, Medical Patient Units, Ft. Collins, CO, Planning and Design Consultant
- Kaiser Permanente Central Support Services, Master Plan, Denver, CO, Research and Planning Consultant
- Good Samaritan Health Center, new patient tower, healthy living center, and cancer treatment center, Kearney Nebraska, Design Consultant
- Mountain View Hospital, Idaho Falls, Idaho, new construction, Planning and Design Consultant
- St. Johns Hospital, Jackson, Wyoming, renovation, renovation and addition, Planning and Design Consultant
- Exempla/Kaiser Permanente Hospital and Medical Campus, Lafayette, Colorado, new construction, Planning, Programming, and Design Consultant
- Urban Design Associates, presentation and documentation services for The Panorama Hotel, Barmouth, Wales, Design Consultant
- St. Joseph Regional Health Center, Bryan, Texas, Research Grant
- Medical/Dental Clinic Naval Station Everett with Kaplan McLaughlin Diaz, Inc.
- Seattle Library for the Blind, Lighting Specifications
- Boeing, Aviation Design, Seattle, Washington, Private, Corporate and Commercial Aircraft interior design and exterior graphics
- Sacred Heart Health System, Eugene, Oregon, training center
- Olan Mills Corporate Headquarters, Chattanooga, Tennessee, Interior design services for Olan Mills campus
- Baytown Community Health Center, Baytown, Texas, Interior Design Services, purchasing, construction administration and installation
- The Rockefeller University, Master Plan
- A.F.S.C. Hospital, Los Angeles Air Force Base, California, Master Plan and Standards
- A.F.S.C. Hospital, Edwards Air Force Base, California, Master Plan and Standards
- West End Community Health Center, Baytown, Texas
- Trammell Crow Company, Houston, Texas
- Magnetic Resonance Imaging Center, White Wilson Medical Center, Ft. Walton Beach, Florida
- Fire Station, Eglin Air Force Base, Florida
- M.S.O.W. Engineering Facility, Eglin Air Force Base, Florida