

**DEBAJYOTI PATI, PHD, FIIA, IDEC, LEED® AP**

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Professor  
Department of Design  
Texas Tech University

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**EDUCATION**

Ph.D.: Georgia Institute of Technology, Atlanta, GA, U.S.A., (2005).  
M.A.S.A.: University of British Columbia, Vancouver, B.C. Canada, (1991).  
B.Arch.: University of Bombay, Bombay, India, (1987).

**EMPLOYMENT HISTORY**

**Academic Positions**

01 2023 -	Faculty Fellow for International Endeavors	TTU College of Human Sciences
08 2015 -	Professor	Texas Tech University, Department of Design, Lubbock, TX, U.S.A.
09 2011 – Current	Rockwell Endowment Chair	Texas Tech University, College of Human Sciences, Lubbock, TX, U.S.A.
09 2011 – 08 2015	Associate Professor	Texas Tech University, Department of Design, Lubbock, TX, U.S.A.
2005 May – Aug	Post Doctoral Fellow	College of Architecture, Georgia Institute of Technology, Atlanta, GA, U.S.A.
1993 – 2002	Lecturer/ Assistant Professor	Department of Architecture, College of Engineering and technology, Biju Patnaik University of Technology, Bhubaneswar, India.
1989 Jan – Aug	Lecturer	Department of Architecture, College of Engineering and technology, Orissa University of Agriculture and Technology, Bhubaneswar, India.

**Industry Positions**

2005 – 2011	Vice President, Director of Research	HKS Architects, Dallas, TX, U.S.A.
2008 – 2013	Executive Director	Center for Advanced Design Research & Evaluation, Dallas, TX, U.S.A.
1993 – 2002	Director (Architecture)	Designers’ Den Private Limited, Bhubaneswar, India.

## Curriculum Vitae

1991 – 1992	Architect	Cairns Architect Planner, Vancouver, B.C., Canada.
1987 – 1988	Architect	Gananath Shetty Architects, Bombay, India.
1986 – 1987	Architect (Intern)	Spatial Designs Private Limited, Bombay, India.

### Administrative and Selected Professional Leadership Positions

2023-	Faculty Fellow for International Endeavors	TTU College of Human Sciences
2019 -	Member, International Advisory Board	Swiss Center for Design and Health
2018 - 2020	Chair	Building Research Council, NIBS-AIA BRIK Program
2012 - 2020	Board of Director	NIBS-AIA, BRIK (Building Research Information Knowledgebase) program
2016 -	Director, North America Chapter	International Academy for Design and Health
2008 – 2013	Executive Director	Center for Advanced Design Research & Evaluation, Dallas, TX, U.S.A.
1993 – 2002	Director (Architecture)	Designers' Den Private Limited, Bhubaneswar, India.

### REGISTRATION AND CERTIFICATION

- Registered to practice, Council of Architecture, India
- LEED Accredited Professional, Green Building Certification Institute, USA
- Trained to use *Serviceability Tools & Methods (ST&M)* by the International Center for Facilities, Canada

### PROFESSIONAL AFFILIATIONS

- Global Education Policy Network (GEPN)
- Swiss Center for Design and Health (SCDH)
- International Academy for Design and Health (IADH)
- NIHD (Nursing Institute for Healthcare Design)
- ASID (American Society of Interior Designers)
- Center for Health Systems and Design, Texas A&M University
- CHD (Center for Health Design)
- EDRA (Environmental Design Research Association)
- IDEC (Interior Design Educators Council)

- IIA (Indian Institute of Architects); Fellow of IIA
- USGBC (US Green Building Council)
- ISTE (Indian Society for Technical Education)
- CIB (International Council for Research and Innovation in Building and Construction; past member)
- AEI-ASCE (Architectural Engineering Institute of The American Society of Civil Engineers)
- AACS (Association of Applied and Clinical Sociologists; past member)

### SELECT AWARDS AND HONORS

- 2023 Reviewer, **Swiss National Science Foundation**. Proposal # 100016M\_219788
- 2023 COHS nominee for the TTU Bernie E. Rushing Jr. Faculty **Distinguished Research Award**.
- 2022 Winner, 1<sup>st</sup> Place, Commercial Student Design, **Fort Worth Shining Star Design Competition** award, ASID Texas Chapter.
- 2022 Winner, Second Place in the '**Celebrating Design Texas 2022**' Commercial Design category, by ASID Texas Chapter.
- 2022 Juror, CRTKL 2022 **MicroGrant Global Jury**.
- 2022 Judge, 2022 **Sales & Customer Relationship Strategy Competition**, TTU Rawls College of Business.
- 2022 Member, **National Academy of Inventors**, Texas Tech, Inventor category.
- 2022 **MVP Award** for SmartMate IV from the National Science Foundation Regional I-Corps program, Texas Tech University.
- 2022 TTUHSC **President's Innovative Startup Award** for SmartMate Solutions.
- 2021 Awarded **Prototype Development Fund** sponsored by Lubbock Economic Development Alliance, for project 'SmartMate IV', from TTU Innovation Hub.
- 2021 Commentator, **Epidemic Urbanism Competition**.
- 2021 EDRA (Environmental Design Research Association) CORE (**Certificate of Research Excellence**) award for research titled "A Comparative Analysis of Visualization Methods in Architecture: Employing Virtual Reality to Support the Decision-Making Process in the AEC Industry."
- 2017 Recognized for national/international prominence achievement from EDRA CORE award at the **Celebration of Faculty Excellence in Research, Scholarship, and Creative Activity**. Texas Tech University.
- 2017 EDRA (Environmental Design Research Association) CORE (**Certificate of Research Excellence**) award for research titled "Neural Correlates of Nature Stimuli".
- 2016 Interior Design Educators Council (IDEC), **Scholarship Achievement Award** for research titled "Identifying and Examining Micro Physical Environment Factors Contributing to Patient Falls".
- 2015 IIDA (International Interior Design Association) **Research Academic Award**, for research titled "Identifying Elements of the Health Care Environment that Contributes to Wayfinding".
- 2015 CIE (Computer and Information in Engineering) Advanced Modeling and Simulation (AMS) Technical Committee 2015 **Best Paper Award**, for paper titled "Identifying Possible Patient Slips and Falls Using Motion Capture

- Experiments". ASME 2015 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2015). Boston, MA.
- 2014 Winner, **International Research Project Award** for study titled "Neural Correlates of Nature Stimuli: An fMRI Study", International Academy for Design and Health.
- 2014 **Outstanding Researcher Award**, College of Human Sciences, Texas Tech University.
- 2014-2013 Director Emeritus, Center for Advanced Design Research & Evaluation. College of Human Sciences nominee, **Barnie E. Rushing Jr. Faculty Distinguished Research Award**, Texas Tech University.
- 2012 Winning team, **Nurture Collegiate Healthcare Design Competition**.
- 2011-2010 Rockwell Professorship, College of Human Sciences, Texas Tech University. Ranked 12<sup>th</sup> among the Healthcare Design magazine's **25 Most Influential People in Healthcare Design**.
- 2010 Winner, **International Research Project Award** for study titled "An Empirical Examination of Patient Room handedness in Acute Medical-Surgical Settings", International Academy for Design and Health.
- 2009 Ranked 15<sup>th</sup> among the Healthcare Design magazine's **25 Most Influential People in Healthcare Design**.
- 2009 Winner, **International Research Project Award** for study titled "Inpatient Unit Flexibility: Design characteristics of a successful flexible unit", International Academy for Design and Health.
- 2004 **Doctoral Program Achievement Award** for research, College of Architecture, Georgia Institute of Technology.

### PROFESSIONAL LEADERSHIP AND OUTREACH

- 2023 - President, Indian Faculty and Staff Association, Texas Tech University.
- 2021- Member, College of Architecture and Design Advisory Committee, Prince Sultan University, Riyadh, Saudi Arabia.
- 2020-21 Juror, 22nd EDRA Annual Great Places Awards.
- 2020- Member, Distinguished Experts Panel, Global Education Policy Network, Riyadh, Saudi Arabia.
- 2019 Juror, Design & Health World Congress, Ghent, Belgium
- 2019 - Member, International Advisory Board, Swiss Center for Design and Health.
- 2019 President, India Association of West Texas.
- 2018 President Elect, India Association of West Texas.
- 2018- Chair, Building Research Council, Building Research Council, NIBS-AIA BRIK Program.
- 2016- Director, North America Chapter, International Academy for Design and Health.
- 2016 Juror, Healthcare Design Product Innovation Award
- 2015 Juror, Healthcare Design Architectural and Interior Design Showcase.
- 2015 Juror, Healthcare Design Product Innovation Award.
- 2015 Committee, AIA Academy of Architecture for Justice, POE Toolkit program.

*Curriculum Vitae*

- 2015 Chief Juror, OSA (Odia Society of the Americas) Street Makeover Competition.
- 2014- Director Emeritus, Center for Advanced Design Research & Evaluation.
- 2013 Juror, ASID (American Society of Interior Designers) Foundation Awards.
- 2013 Juror, Healthcare Design's Architectural and Interior Design Showcase.
- 2009-2013 Executive Director, Center for Advanced Design Research & Evaluation.
- 2012- Board of Directors, AIA-NIBS Building Research Council.
- 2012- Founding member, Steering Committee, AIA-NIBS Building Research Council.
- 2012- Member, REDCenter Advisory Council, American Art Resources.
- 2012-13 Conference organizing committee, EDRA 2013 International Conference.
- 2012- Member, RIPPLE Advisory Committee, Center for Health Design.
- 2012 Juror, Healthcare Design Architectural Showcase.
- 2012 Academic Advisor, ParticiPlace2011 international design competition, UC Berkeley.
- 2011-2015 Co-Chair EDRA CORE Program Development Committee.
- 2011 Juror, Healthcare Design Remodel Renovation Showcase.
- 2011 Juror, Healthcare Design Architectural Showcase.
- 2010 - Member, Editorial Advisory Board, Health Environments Research and Design Journal.
- 2010 Grant Reviewer, National Science Foundation.
- 2010 Juror, DESIGN: Environments for Aging showcase, Vendome/Long Term Living magazine.
- 2010 Member, AIA Academy of Architecture for Health, Research Initiatives Committee/Network of Stakeholders.
- 2010 Organizer, 2010 Design Research Collaborative Program, HKS Architects.
- 2008-10 Conference committee, EDRA International Conference, Washington, DC, 2010.
- 2008 Elected Fellow of Indian Institute of Architects.
- 2008 - 16 Member, Editorial Board, The Open Construction and Building Technology Journal.
- 2008 - 12 Center for Health Design; Member, Research Coalition.
- 2007 - 10 Member, Editorial Review Board, Health Environments Research and Design Journal.
- 2007 - 09 Healthcare Environment Research Group; Chair, Evidence Based Design Research Workgroup.
- 1997 - 02 Empaneled architect in the Orissa Co-operative Housing Corporation, Bhubaneswar, Orissa, India.
- 1996 - 02 Empaneled architect in the Bhubaneswar Municipal Corporation, Bhubaneswar, Orissa, India.
- 1995 - 96 Sergeant-at-Arms, Rotary Club of Temple City, Bhubaneswar, India (selected position).
- 1994 - 95 Director, Vocational Services, Rotary Club of Temple City, Bhubaneswar, India (selected position).
- 1989 Graduate Student Representative, School of Architecture, University of British Columbia, Vancouver, Canada (elected position).

## MEDIA MENTIONS

- 2018: "How to Future-Proof Your Hospital with Evidence-Based Design", *Healthcare Purchasing News*, December 18, 2018, Author: Evan Hicks, <https://www.hpnonline.com/home/article/13001520/how-to-futureproof-your-hospital-with-evidencebased-design>
- 2018: "Laying The Groundwork". *Healthcare Design Magazine*, July 31, 2018. Author: Debra Levin.
- 2017: "Research Matters". *Healthcare Design Magazine*, October 17, 2017. Author: Ellen Taylor.
- 2017: "Modern Medicine: It's a brave new world in healthcare design today". *Knoll Workplace Research*, [https://www.knoll.com/document/1355999055649/Knoll\\_ModernMedicine\\_wp.pdf](https://www.knoll.com/document/1355999055649/Knoll_ModernMedicine_wp.pdf)
- 2016: "Research explores how room design affects patient falls". *Health Facilities Management*, December 15, 2016. Author: Jeff Ferenc.
- 2016: "Put to Test", *Healthcare Design*, November 1, 2016.
- 2016: "Hospital Room Design Connected to Key Aspect of Patient Safety". *Newswise*, October 14, 2016.
- 2016: "Hospital Room Design Connected to Key Aspect of Patient Safety". *New Medical Lifesciences*, October 17, 2016.
- 2015: "Come Out, Come Out, Wherever You Are", *Healthcare Design*, September 23, 2015.
- 2015: *NPSF Press Release* titled "ASME Recognizes NPSF-Funded Research Study on Detecting Fall Risks". <http://www.npsf.org/news/244459/ASME-Recognizes-NPSF-Funded-Research-Study-on-Detecting-Fall-Risks.htm>
- 2015: *NPSF Blog Post* titled "Environmental Factors That Contribute to Falls". <http://npsf.site-ym.com/blogpost/1158873/223669/Environmental-Factors-That-Contribute-to-Falls>
- 2014: "Can Different Architectural Forms Influence Patient Behavior?" *Healthcare Design*, June 26, 2014. Author: Anne DiNardo, Senior Editor.
- 2013: "VCUQ wins three awards at Qatar Foundation research conference". *The Peninsula, Qatar*, December 13, 2013.
- 2013: "Group to study fall prevention through better environmental design". *Patient Safety Monitor*. Release date: November 1, 2013.
- 2013: "Study at Covenant to Show Sky Ceilings' Effect on Patients". *West Texas Hispanic News*, Feb 13, 2013.
- 2013: "National Patient Safety Foundation Awards Research Grant for Innovative Project Investigating Environmental Factors Involved in Patient Falls". *San Francisco Chronicle*, August 20, 2013.
- 2013: *Fox News Lubbock*, Jan 30, 2013, in article (and evening news segment) titled "Covenant participates in 'Sky Ceiling' study". Author: Nicole Garza.
- 2013: "Enhancing Workflow, Mobility in the Outpatient Environment", *Healthcare Design*, January 11, 2013.
- 2012: "Masters in Planning", *Healthcare Design*, 12(11), 85-86.
- 2012: "Design Firm Research Benefits the Healthcare Industry", *Healthcare Design*, November 28, 2012.
- 2012: "Students Design Healthcare Spaces for the Mobile Work Environment", *Healthcare Design*, November 15, 2012.
- 2012: "Making the Most of Healthcare Master Planning", *Healthcare Design*, November 20, 2012.
- 2011: Listed as juror in the Healthcare Design 2011 Remodel/Renovation Showcase, *Healthcare Design*, 11(12), December 2011, 49.
- 2011: "Family in Focus", *Healthcare Design*, November 21, 2011.
- 2011: "The Hidden Key to Sustainability", *Healthcare Design*, December 23, 2011.

- 2011: Listed as juror in the Healthcare Design 2011 Architectural Showcase Jury, *Healthcare Design*, September 2011, 95.
- 2011: "Family in Focus: Incorporating the Family into the Patient Room, Part 3", *Healthcare Design*, May 8, 2011.
- 2011: "Designing Smart", *Healthcare Design*, February 1, 2011.
- 2011: "HKS explores research opportunities through new nonprofit arm". Author: Jennifer Kovacs. *Healthcare Design*, January 25, 2011.
- 2010: "25 Most Influential People in Healthcare Design". *Healthcare Design*, 10(12), December 2010, 26-29.
- 2010: "Same-Handed Rooms". Author: Jeff Stouffer. *Healthcare Design*, 10(12), 30-33.
- 2010: "Better Care: UT Arlington, HKS studying what happens in patient rooms". Author: Elizabeth Bassett. *Fort Worth Business Press*, July 16, 2010.
- 2010: "BIM Forum Atlanta: Your Introduction to Evidence-Based BIM". Author: Jeff Yoders. *BIM Forum News*. <https://bimforum.org/2010/10/01/bimforum-atlanta-your-introduction-to-evidence-based-bim/>
- 2010: "HKS Launches Space-Use Research Center". *Dallas Business Journal*, September 17, 2010.
- 2010: "HKS CS&R Receive International Recognition". *Dallas Business Journal*, June 18, 2010.
- 2010: "Winners Set New Benchmarks at the Design & Health". *Medical Design & Construction*, June 2010.
- 2010: "Optimizing operations while promoting healing", *Healthcare Design*, March 2010.
- 2010: "Small house" design rules in DESIGN 2010". *Long-Term Living Magazine*, March, 2010.
- 2010: "A Cadre of Design Research", *Healthcare Design*, November 3, 2010.
- 2009: "25 Most Influential People in Healthcare Design". *Healthcare Design*, 9(12), December 2009, 27-31.
- 2009: "Hospital Conditions". Author: Joyce Tsai. Media: *Dallas Business Journal*. November 6, 2009.
- 2009: "People on the Move" in *Dallas Business Journal*.
- 2009: "Patient Safety: What enhances patient visibility?", *Healthcare Design*, October 31, 2009.
- 2009: "The pressure builds". *Modern Healthcare*. Author: Andis Robeznieks. Posting Date: March 16, 2009.
- 2009: "HKS' Pati Honored". *Texas Contractor*. Author: Texas Contractor Staff. Posting date: March 02, 2009.
- 2009: "HKS' Pati Elected to College of Fellows of Indian Institute of Architects". Author: John Oberlin, Online Editor. Posting date: January 06, 2009. Media: *Healthcare Design*.
- 2008: "Study devises ways to shorten steps and give nurses more time". Author: Editorial. Media: *Health Facilities Management* (March).
- 2007: "Neuroscience and Courthouse Design Workshop: Understanding Cognitive Processes in the Courthouse". Author: Christina Noble. Media: *American Institute of Architects* Website.
- 2007: "Healthy Hospital Design". Author: Nayantara Som. Media: *Express Healthcare* of the Indian Express Newspaper Group. Vol.1, No.1, pp 31-33, January 2007.

## PUBLICATIONS

(h-index 24, i10-index 47 Google Scholar August 2023)

### BOOK AND BOOK SECTIONS

Avani Parikh and **Debajyoti Pati**. (2022). Choice Architecture and Salutogenesis. In (Ken Yeang and Alan Dilani, eds.), *Ecological and Salutogenic Design for a Sustainable Healthy Global Society*. Cambridge Scholar Publishing: UK, 224-230.

**Debajyoti Pati**, Michael Pietrzak, David Vincent, Troy Ransdell, Thomas Harvey, David Duthu, Tom Franklin and Ting-Kwo George Lei. (2013). Airborne Contamination Control through Directed Airflow in the Exam Room: A Pilot Study Using a Membrane Diffuser. In Ming Chyu (ed.), Advances in Engineering for Healthcare Safety – from Surgery Ergonomics to Computational Fluid Dynamics. Essex, UK: Multi-Science Publishing Co.

**Debajyoti Pati**. (2013). Reducing System Waste: Measuring Staff Walking in Acute Healthcare Settings. In A. Joseph and U. Nanda (eds), Development of Tools for Healthcare Environments Research and Practice. Washington, D.C.: Environmental Design Research Association.

**Debajyoti Pati**. (2012). Research in Professional Practice: How a Seed Grant from the AIA Eventually Enabled the Creation of a Research Entity. AIA Report on University Research, Vol. 5. <http://www.aia.org/practicing/research/AIAB092876>

Xiaobo Quan, Eileen malone, Anjali Joseph and **Debajyoti Pati**. (2011). Healthcare Environmental Terms and Outcome Measures: An Evidence-Based Design Glossary. Concord, CA: The Center for Health Design.

**Debajyoti Pati**, Michael Pietrzak, David Vincent, Troy Ransdell, Thomas Harvey, David Duthu, Tom Franklin and Ting-Kwo George Lei. (2011). Airborne Contamination Control through Directed Airflow in the Exam Room: A Pilot Study Using a Membrane Diffuser. In Ming Chyu (ed.), Advances in Critical Care Engineering. Essex, UK: Multi-Science Publishing Co.

**Debajyoti Pati**, Thomas Harvey and Paul Barach. (2011). Case 20 – Houston Medical Center Bed Tower: Quality and the Built Environment. In C. McLaughlin, J. Johnson and B. Sollecito (Eds), Implementing Continuous Quality Improvement in Health Care: A Global Casebook. Sudbury, MA: Jones & Bartlett Learning.

**Debajyoti Pati** and Paul Barach. (2010). Application of Environmental Psychology Theories and Frameworks to Evidence-Based Healthcare Design. In J. Valentín and L. Gamez (Eds.) Environmental Psychology: New Developments. Hauppauge, NY: Nova Science Publishers.

**Debajyoti Pati**. (2009). A BIM Approach to Evidence-Based Courtroom Design: Support Evidence-Based Design through Enhanced Building Information Models. Saarbrücken, Germany: VDM Verlag.



Thomas Harvey, **Debajyoti Pati**, Jennie Evans, Laurie Waggener and Carolyn Cason. (2008). Inpatient Unit Design: Defining the Design Characteristics of a Successful Adaptable Unit. In George Elvin (Ed.) AIA Report on University Research, Vol. 2, Washington, DC: American Institute of Architects.

## ARTICLES

### *Accepted for Publication*

Saman Jamshidi and **Debajyoti Pati**. Hierarchy of Evidence: An Appraisal Tool for Weighting the Evidence in Healthcare Design Research Based on Internal Validity. *Health Environments Research and Design Journal*. (Accepted April 24, 2023).

### *Articles Published Online Before Print*

Hamed Yekita, **Debajyoti Pati**, and D. Kirk Hamilton. (2023, August). Could Spatial Awareness Affect Situation Awareness: A Conceptual Examination. *Health Environments Research and Design Journal*. DOI: 10.1177/19375867231192116

Arsalan Gharaveis, D. Kirk Hamilton, **Debajyoti Pati**, Mardelle McCuskey Shepley, Susan Rodiek, Denise McCal. (2023, July). How Visibility May Reduce Security Issues in Community Hospitals' Emergency Departments. *Health Environments Research and Design Journal*. doi.org/10.1177/19375867231188985

Reem Bagais and **Debajyoti Pati**. (2023, August). Associations between the home physical environment and child self-regulation: A conceptual exploration. *Journal of Environmental Psychology*. <https://doi.org/10.1016/j.jenvp.2023.102096>.

Rana Bazaid and **Debajyoti Pati**. (2023, July). Exploring Hospital Physical Environment Influencing Users First Impressions of the Healthcare Organizations: A conceptual framework based on literature Review. *Health Environments Research and Design Journal*. <https://doi.org/10.1177/19375867231184573>

### *Published Articles*

Ahmed Redha Gheraba, Clifford B. Fedler, **Debajyoti Pati**, Marcelo Schmidt, Mukaddes Darwish, Ali Nejat and Bill Wade. (2023). Causes, effects, and control measures of construction change orders in the U.S. *Journal of Civil Engineering and Architecture*, 17, 57-72. doi: 10.17265/1934-7359/2023.02.001

Ahmed Redha Gheraba, **Debajyoti Pati**, Clifford B. Fedler, Marcelo Schmidt, Michael S. Molina, Ali Nejat and Muge Mukaddes Darwish. (2023). A Comparative Analysis of Visualization Methods in Architecture: Employing Virtual Reality to Support the Decision-Making Process in the AEC Industry. *Journal of Civil Engineering and Architecture*, 17, 73-89. doi: 10.17265/1934-7359/2023.02.002

Katie Harris, John Krzyszkowski, Luke Chowning, James Yang, Lamidi Kolawole, **Debajyoti Pati**, Seyedehastaran Hashemi, and John Robert Harry. (2023). Comparison of Walking Mechanics between Manual and Automated IV Poles" in International Journal of Exercise Science: Conference Proceedings 2(15).

Iman Bokhari and **Debajyoti Pati**. (2022). The state of primary health-care policies and interventions in KSA in promoting population health. *Asian Journal of Pharmaceutics*, 16(4), 397-401.

Rana Bazaid and **Debajyoti Pati**. (2022). Creating a profound sense of comfort to stimulate workers' innovation and productivity: Exploring research and case study applications. *International Journal of Social and Business Sciences*, 16(4), 199-205.

Laurie Waggener, **Debajyoti Pati**, Apoorva Rane, Esteban Montenegro, and Ellen Angelo. (2021). Lessons learned from decentralization of an elective surgery medical-surgical unit. *Health Environments Research and Design Journal*, 14(3), 182-201. <https://doi.org/10.1177/1937586721989687>

Sahar Mihandoust, **Debajyoti Pati**, Jaehoon Lee, and Jamie Roney. (2021). Exploring the relationship between access to nature views and nurse burnout. *Health Environments Research and Design Journal*, 14(3), 258-273. <https://doi.org/10.1177/1937586721996302>

Eman Nasrallah and **Debajyoti Pati**. (2021). Can physical design help reduce loneliness in the elderly: A theoretical exploration. *Health Environments Research and Design Journal*, 14(3), 374-385. <https://doi.org/10.1177/1937586720975208>

**Debajyoti Pati**, Shabboo Valipoor, Aimee Cloutier, James Yang, Patricia Freier, Thomas Harvey, and Jaehoon Lee. (2021). Physical Design Factors Contributing to Patient Falls. *Journal of Patient Safety*, 17(3), e135-e142. doi: 10.1097/PTS.0000000000000339

**Debajyoti Pati**, Shabboo Valipoor, Lesa Lorusso, Sahar Mihandoust, Saman Jamshidi, Apoorva Rane, and Mahshad Kazem Zadeh. (2021). The Impact of the Built Environment on Patient Falls in Hospital Rooms: An Integrative Review. *Journal of Patient Safety*, 17(4), 273-281. DOI: 10.1097/PTS.0000000000000613.

Saman Jamshidi and **Debajyoti Pati**. (2021). A Narrative Review of Theories of Wayfinding within the Interior Environment. *Health Environments Research and Design Journal*, 14(1), 290-303. <https://doi.org/10.1177/1937586720932276>

Avani Parikh and **Debajyoti Pati**. Using Choice-Based Design to Improve Health. (2020). *Academy Journal* (22), 42-49.

Shabboo Valipoor, **Debajyoti Pati**, Mahshad Kazem-Zadeh, and Sahar Mihandoust. (2020). Falls in Older Adults: A Systematic Review of Literature on Interior-Scale Elements of the Built Environment. *Journal of Aging and Environment*, 34(4), 351-374. <https://doi.org/10.1080/02763893.2019.1683672>.

Arsalan Gharavies, **Debajyoti Pati**, Kirk Hamilton, Mardelle Shepley, Susan Rodiek, and Mohammad Najarian. (2020). The correlation between visibility and medical staff collaborative communication in emergency departments. *Health Environments Research and Design Journal*, 13(4), 81-97. DOI: 10.1177/1937586720921182.

Saman Jamshidi, Mahnaz Ensafi, and **Debajyoti Pati**. (2020). Wayfinding in Interior Environments: An Integrative Review. *Frontiers in Psychology*. 11:549628. doi: 10.3389/fpsyg.2020.549628

**Debajyoti Pati.** (2020). Improving precision and confidence of research application through mediator and moderator models. *Health Environments Research and Design Journal*, 13(2), 12-20. DOI: 10.1177/1937586720911382.

Arsalan Gharaveis, **Debajyoti Pati**, Kirk Hamilton, Mardelle Shepley, Susan Rodiek, and Mohammad Najarian. (2020). The influence of visibility on medical teamwork in emergency departments: A mixed-method study. *Health Environments Research and Design Journal*. 13(2), 218-233. DOI: 10.1177/1937586719885376.

Rana Bazaid, Hamed Yetika, Amani Khan, and **Debajyoti Pati.** (2020). Healing Village: Implementing Biomimicry, Natural Architecture to Promote Sustainability in Healthcare. Proceedings of the IAFOR International Conference on Sustainability, Energy & the Environment – Hawaii (IICSEEHawaii2020). January 10-12, 2019, Honolulu, Hawaii. [http://25qt511nswfi49iayd31ch80-wpengine.netdna-ssl.com/wp-content/uploads/papers/iicseehawaii2020/IICSEEHawaii2020\\_55307.pdf](http://25qt511nswfi49iayd31ch80-wpengine.netdna-ssl.com/wp-content/uploads/papers/iicseehawaii2020/IICSEEHawaii2020_55307.pdf)

Benjamin Easter, Negin Houshiarian, **Debajyoti Pati** and Jennifer Wiler. (2019). Designing Efficient Emergency Departments: Discrete Event Simulation of Internal Waiting-Areas and Split Flow Sorting. *The American Journal of Emergency Medicine*, 37(12):2186-2193. <https://doi.org/10.1016/j.ajem.2019.03.017>

Arsalan Gharavies, Kirk Hamilton, Merdelle Shepley, **Debajyoti Pati**, and Susan Rodeik (2019). Design suggestions for greater teamwork, communication and security in hospital emergency departments. *Indoor and Built Environment*, 28(8), 1126-1139. DOI: 10.1177/1420326X19836209

Mahnaz Ensafi, Saman Jamshidi, and **Debajyoti Pati.** (2019, Nov 12). Environmental Variables That Influence People’s Wayfinding in Indoor Environments: An Integrative Literature Review, in Beth, A., Wener, R., Yoon, B., Rae, R. A., & Morris, J. (Eds.), *Proceedings from EDRA 50: Sustainable urban environments*. Brooklyn, NY: Environmental Design Research Association. <https://cuny.manifoldapp.org/projects/edra-50-proceedings>.

Michelle Pearson, Kristi Gaines, **Debajyoti Pati**, Melinda Colwell, L. Motheral, and Nicole Adams. (2019). The Physiological Impact of Window Murals on Pediatric Patients. *Health Environments Research and Design Journal*, 12(2), 116-129. doi.org/10.1177/1937586718800483

Arsalan Gharaveis, Mardelle Shepley, Kirk Hamilton, **Debajyoti Pati**, and Susan Rodeik. (2019). The Influence of Visibility on Staff Face-to-face Communication and Efficiency in Emergency Departments. *Facilities*, 37(5/6), 352-363.

Hessam Ghamari and **Debajyoti Pati.** (2018). Examining Eye-Fixations during Wayfinding in Unfamiliar Indoor Environments. *The International Journal of Designed Objects*, 12(2), 15-33.

**Debajyoti Pati**, Jaehoon Lee, Sahar Mihandoust, Mahshad Kazem-Zadeh, and Youngha Oh. (2018). Top Five Physical Design Factors Contributing to Fall Initiation. *Health Environments Research & Design Journal*, 11(4), 50-64. DOI: 10.1177/1937586718763798

**Debajyoti Pati** and Lesa Lorusso. (2018). How to write a systematic review of the literature. *Health Environments Research & Design Journal*, 11(1), 15-30. DOI: 10.1177/1937586717747384.

Shabboo Valipoor, **Debajyoti Pati**, Matt Stock and Doug Bazuin. (2018). Safer chairs for elderly patients: Design evaluation using electromyography and force measurement. *Ergonomics* 61(7), 902-912 . doi: 10.1080/00140139.2018.1427804

Milad Fereshtehzhad, **Debajyoti Pati**, & Sohyun Park. (2018). Ecological Sensibility and Sustainability Criteria in Contemporary Urbanism Paradigms: A Comparative Analysis of Landscape Urbanism and New Urbanism. In C. Calorosso, & T. Clements (Eds.), Council of Educators in Landscape Architecture 2018 Conference March 21-24, 2018. *Transforming the Discussion: Breaking our Landscape Architecture Chrysalis* (pp. 682-694).

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Terry Ritchey, **Debajyoti Pati** and Thomas Harvey. (2008 - March). Taking Care of Nurses. *Advance for Nurses*, 10(6), 27-28.

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**Debajyoti Pati**, Craig Zimring and Mallika Bose. (2007). Rethinking Openness: Courthouses in the United States. *The Journal of Architectural and Planning Research*, 24(4), 308-324.

**Debajyoti Pati** and Godfried Augenbroe. (2007). Integrating Formalized User Experience within Building Design Models. *Computer-Aided Civil and Infrastructure Engineering*, 22(2), 117-132.

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**Debajyoti Pati**, Cheol-Soo Park and Godfried Augenbroe. (2006). Roles of Building Performance Assessment in Stakeholders Dialog in AEC. *Automation in Construction*, 15(4), 415-427.

**Debajyoti Pati**, Cheol-Soo Park and Godfried Augenbroe. (2005). Roles of Quantified Expressions of Building Performance in AEC. *Innovations in Architecture, Engineering and Construction*. Rotterdam, June 15-17, Netherlands, 819-830.

**Debajyoti Pati**, Godfried Augenbroe and Cheol-Soo Park. (2005). Integrating Building Performance Assessment Concepts in Shared Building Model. *11th Joint CIB International Symposium*, June 13-16, Helsinki, Finland, 69-80.

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**Debajyoti Pati** and Craig Zimring. (2004). Rethinking Public Buildings: Case of the American Courthouse. *Proceedings of the Annual Meeting of the Association of Collegiate Schools of Architecture*, Miami, March 18-21, 286-293.

**Debajyoti Pati** and Craig Zimring. (2003). Exploring Openness of Contemporary Federal Architecture. *Proceedings of EDRA 34 Conference*, Minneapolis, May 21-25, 143-149.

**Debajyoti Pati** and Godfried Augenbroe. (2003). The Capturing of POE Data in Semantic Building Models. *Proceedings of Building Integration Solutions 2003*, Austin, September 17-20, organized by Architectural Engineering Institute of the American Society of Civil Engineers.

**Debajyoti Pati.** (1996). A Case Study of the Technique of Simple Observation. *The Indian Journal of Social Work*, 57(4), 530-544.

**Debajyoti Pati, D.** (Dec 1995-Jan 1996). Designing Attractions in a Changing Market. *Journal of the Indian Institute of Architects*, 60(8), 15-19.

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## SUMMARIES

(Produced under a contract with the American Institute of Architects)

(Available at <http://network.aia.org/AcademyofArchitectureforJustice/Home/Research>)

**Debajyoti Pati, Andrea Wade and Sipra Pati.** (2012). Summary of: Debajyoti Pati, Mahbub Rashid, Craig Zimring. (2010). Occupants' Perception of Openness in Federal Courthouses. *Journal of Architectural and Planning Research*, 27(3), 257-269.

**Debajyoti Pati, Kate Haenchen and Sipra Pati.** (2012). Summary of: Anne Maass, Ilaria Merici, Erica Villafranca, Rosaria Furlani, Elena Gaburro, Anna Getrevi, and Margherita Masserini. (2000). Intimidating Buildings: Can Courthouse Architecture Affect Perceived Likelihood of Conviction? *Environment & Behavior*, 32(5), 674-683.

**Debajyoti Pati, Kate Haenchen and Sipra Pati.** (2012). Summary of: E. Frances Kuo and C. William Sullivan. (2001). Environment and Crime in the Inner City: Does Vegetation Reduce Crime? *Environment & Behavior*, 33(3), 343-367.

**Debajyoti Pati, Kate Haenchen and Sipra Pati.** (2012). Summary of: Henrik S. Andersen, D. Sestoft, T. Lillebñk, G. Gabrielsen, R. Hemmingsen, P. Kramp. (2000). A Longitudinal Study of Prisoners on Remand: Psychiatric Prevalence, Incidence and Psychopathology in Solitary Vs. Non-Solitary Confinement. *Acta Psychiatrica Scandinavica*, 102, 19-25.

**Debajyoti Pati, Kate Haenchen and Sipra Pati.** (2012). Paul B. Paulus and Mary T. Dzindolet. (1993). Reactions of Male and Female Inmates to Prison Confinement: Further Evidence for a Two-Component Model. *Criminal Justice and Behavior*, 20(2), 149-166.

**Debajyoti Pati, Kate Haenchen and Sipra Pati.** (2012). Jay S. Rice and Linda L. Remy. (1998). Impact of Horticultural Therapy on Psychosocial Functioning Among Urban Jail Inmates. *Journal of Offender Rehabilitation*, 2(3/4), 169-191.

**Debajyoti Pati, Kate Haenchen and Sipra Pati.** (2012). Richard Wener, William Frazier, and Jay Farbstein. (1985). Three Generations of Evaluation and Design of Correctional Facilities. *Environment & Behavior*, 17(1), 71-95.

**Debajyoti Pati, Hessam Ghamari and Sipra Pati.** (2012). Jay Farbstein, Melissa Farling, Richard Wener. (2009). Effects of a Simulated Nature View on Cognitive and Psycho-Physiological Responses of Correctional Officers in a Jail Intake Area. Washington, D.C.: National Institute of Corrections.

**Debajyoti Pati**, Hessam Ghamari and Sipra Pati. (2012). Ernest O. Moore. (1989). Prison Environments and their Impact on Older Citizens. *Journal of Offender Counseling Services & Rehabilitation*, 13(2), 175-191.

## PRESENTATIONS

### KEYNOTES AND INVITED TALKS

- 2023 – “Positioning Environmental Design Value Propositions in Contemporary Health.” Keynote. EDRA, Mexico City, Mexico. June 20-23, 2023.
- 2019: “The role of the physical design in care quality, safety, and efficiency.” Politecnico di Milano, Milan, Italy, June 29.
- 2019: “Designing to reduce falls in patient rooms”, Designing the Future of Healthcare: Linking Problem, Evidence, and Transformation, Georgia Institute of Technology, Atlanta, GA (April 23)
- 2019: “Physical Design and Health”, Obesity Research Cluster Seminar, Texas Tech University, Lubbock, TX (March 18)
- 2018: “Evidence Based Design”. University of North Texas, October 23, 2018.
- 2018: “Reducing Patient Falls: Where to Focus in Patient Room Design”. National workshop on “Design for Patient and Staff Safety: A Systems Approach”. Organized by the Center for Health Design, Chicago, IL, June 25-26.
- 2017: “Design Strategies To Make Safer Hospitals”. DCP Research Seminar Series, University of Florida, April 5, 2017.
- 2015: Texas Tech University, Faculty Research Club (October 30).
- 2015: “Way to Love Numbers”. TTU Statistical Consulting Lecture Series, Graduate Student Advising Council (GSAC), Texas Tech University. January 29, 2015.
- 2013: “Truth, Lies and Research”. Invited keynote speaker. Healthcare Design Academy, Dallas, TX. August 8 - 9, 2013. (Regional)
- 2011: “New Directions in the Future of Healthcare Design—The Experts Speak Out”. Healthcare Design Conference. Nashville, TN. Nov 13-16. Moderator: Todd Hutlock, Editor-in-Chief, HEALTHCARE Design and Healthcare Building Ideas. Panelists: Debajyoti Pati, David Tam, Jain Malkin, Sheila F. Cahnman, Kim E. Shinn, and Thomas Gormley. (National)
- 2011: “Safety and Efficiency Correlates of ED Physical Design: Notes from the Field”. Center for Health Design, Pebble Partners Colloquium, Lexington, KY, September 13-14. (National)
- 2011: “The Research-Based Practice”. 2011 SAR Architecture for Health Spring Conference. Panelists: Dina Battisto, Debajyoti Pati, Craig Zimring, Kirk Hamilton, and Tom Harvey. Clemson, SC, May 20. (Regional)
- 2010: “Designing for Patient Safety: The Role of Room Handedness and Decentralization”. Architecture for Health Spring Lecture Series, Texas A&M University.
- 2009: “UTA Practice Academy Panel: Research + Evidenced Based Design”. Invited Panelist. University of Texas at Arlington. October 26, 2009.
- 2008: “View From A Far: The Influence of View Content & Duration on Nurse Stress”. April 2008 Pebble Partner Colloquium, Center for Health Design, Eugene, OR, April 8. (National)
- 2008: “Providing Tier-One Service: Clinical Expertise & Research Evidence. Architecture for Health Spring Lecture Series, Texas A&M University. TX, February 6.

- 2007: Overview of Current Courthouse Research. Neuroscience and Courthouse Design Workshop. Debajyoti Pati. Sponsored by Academy of Architecture for Justice and Academy of Neuroscience in Architecture. Polytechnic University, New York, NY, September 29-30. (National)
- 2007: "Designing for Patient safety". Architecture for Health Program, College of Architecture, Texas A&M University, TX, February 13.
- 2007: "Research in Healthcare Design Practice". Graduate Studies for Architecture and Health, Clemson University, SC, September 27.
- 2006 - 2009: "Evidence-Based Design". Masters of Architecture program, University of Texas at Arlington, School of Architecture.
- 2006: "Hard and Soft Program Spaces". Architecture Program, Southern Polytechnic and State University, GA.
- 2002: Craig Zimring, Ed Feiner, Gary Hack, Debajyoti Pati and Sharon Tsepas. (2002). Plenary Address: Designing the Public Domain in a Dangerous World. EDRA 33 Conference, Philadelphia. (International)

### WEBINARS AND WEBCASTS

**Debajyoti Pati**, Thomas Harvey, and Patricia Freier. (2019). Top 5 Design Elements Impacting Patient Falls. CHD Icon and Innovator Series, June 20, 2019.

**Debajyoti Pati**, Thomal Harvey, and Sipra Pati. (2017). "Security Implications of Physical Design Attributes in the Emergency Department". EBD Journal Club Webinar, May 3, 2017.

**Debajyoti Pati** and Thomas Harvey. (2015). An Empirical Examination of the Impacts of Decentralized Nursing Unit Design. EBD Journal Club webinar series, Center for Health Design, September 2, 2015.

**Debajyoti Pati**. (2013). An empirical examination of patient room handedness in acute medical-surgical settings. EBD Journal Club webinar series, Center for Health Design, March 6, 2013.

**Debajyoti Pati** and Doug Bazuin. (2010). Inflexibility in Flexible Design—Factors that Can Stifle Design. Healthcare Design Virtual Symposium. Vendome Group. December 8, 2010.

**Debajyoti Pati** and Thomas Harvey. (2010). Impact of Physical Design Options on Nurse Walking Time in Inpatient Units. 2010 webinar series from Healthcare Design, May 6, 2010.

**Debajyoti Pati** and Terry Ritchey. (2009). Returning Nurses' Time to the Bedside: The Impact of Decentralization on Nurses' Walking Time. 2009 webinar series from Facility Care Magazine, December 3, 2009.

**Debajyoti Pati**, James May and Arnold Burger. (2008). Flexible Design Solutions for Health Care Facilities! Practice Green Health webinar, US Green Building Council's, Green Guide for Health Care (GGHC), November 14, 2008.

Thomas Harvey and **Debajyoti Pati**. (2008). The Design Characteristics of a Successful Adaptable Inpatient Unit. Center for Health Design 2008 Webinar Series, May 1, 2008.  
<http://www.healthdesign.org/education/webcast/webinarseries.php>

**Debajyoti Pati**, Thomas Harvey and Arthur St Andre. (2007 - 2008). Strategies for Increasing Collaboration and Interaction within Academic Medical Centers. TRADELINE: Academic Medical Center Webcast. <http://www.tradelineinc.com/webcast/91E0B693-2B3B-B525-8A357CB124B0FEFC>.

### **REFEREED ACADEMIC CONFERENCE ORAL PRESENTATIONS**

Amarjeet Mohanty, Gourab Kar, and **Debajyoti Pati**. (2023). Exploring Dimensions of Healthcare Access in Mohalla Clinics: Results from an Ethnographic Study. EDRA Conference, Mexico City, Mexico. June 20-23.

Elnaz Nahirafee and **Debajyoti Pati**. (2023). The Impact Of Built Environment On Chance Of Falls In Women During Pregnancy And Postpartum. IDEC conference, Vancouver, BC, March 8-11.

Farzane Omid and **Debajyoti Pati**. (2022). Living Little Lahijan: A Model for Sustainability in the Hotel Industry. IDEC conference. New York, NY, March 2-5.

Reem Bagais and **Debajyoti Pati**. (2022). The Role of Physical Design in Improving Self-Regulation in Children: A Theoretical Exploration. IDEC conference. New York, NY, March 2-5.

Saman Jamshidi and **Debajyoti Pati**. (2022). Interior Wayfinding Theoretical Framework: A Synthesis of Wayfinding Related Theories Identified in the Literature. EDRA conference. Greenville, SC, June 1-4, 2022.

Hamed Yekita, **Debajyoti Pati**, and Kirk Hamilton. (2022). Situation Awareness Among Nurses in Patient Room: A Conceptual Model. EDRA conference. Greenville, SC, June 1-4, 2022.

Lori Guerrero, Kristi Gaines, **Debajyoti Pati**, Malinda Colwell, and Charles Klein. (2022). A Theory-Driven Investigation into the Affordances of the Built Environment and the Impact on Child Development. EDRA conference. Greenville, SC, June 1-4, 2022.

Reem Bagais and **Debajyoti Pati**. (2022). Can Physical Design Help Improve Self-regulation in Children and Build Resilience: A Theoretical Exploration. The 7<sup>th</sup> IAFOR International Conference on Education. Hawaii, January 6-9, 2022.

Reem Bagais and **Debajyoti Pati**. (2021). Home Design and Child Self-Regulation Building Just Communities: A Theoretical Exploration. EDRA, Virtual Conference, May 19-23.

Apoorva Rane and **Debajyoti Pati**. (2021). Evaluating Impacts of Integrating Visual Access to Biophilia in Clinical Nurses' Workplaces, in Deep Interior Spaces. EDRA, Virtual Conference, May 19-23.

Eman Nasrallah and **Debajyoti Pati**. (2021). A Theoretical Exploration of Physical Design and Its Role in Reducing Loneliness in the Elderly. EDRA, Virtual Conference, May 19-23.

**Debajyoti Pati**, Apoorva Rane, David Navarrete, William Witherspoon. (2020). Engaging Spatial Maps with Multisensory Illusions. ANFA Conference, September 18-19, Online Conference.

Mahnaz Ensafi and **Debajyoti Pati**. (2020). Can Home Layout Influence Navigation of Early and Middle Stage Alzheimer's Patients? EDRA, April 4-7, Online Conference.

Apoorva Rane, Andrew Johnston, and **Debajyoti Pati**. (2020). Evaluating the Impacts of Integrating Visual Access to Nature in Nurses' Work Environments and Deep Interiors. EDRA, April 4-7, Online Conference.

Hamed Yakita, Rana Bazaid, Amani Khan, and **Debajyoti Pati**. (2020). Healing Village: Improving Sustainability of a Hospital and Well-Being of Users in Terms of Site-Plan Design. EDRA, April 4-7, Online Conference.

Marwa Abdelmonem, Kristi Gaines, and **Debajyoti Pati** (2020). Rethinking Depression in Long-Term Care Facilities from an Environmental Perspective. EDRA, April 4-7, Online Conference.

Melinda Anderson-Guerrero, **Debajyoti Pati**, and Kristi Gaines. (2020). How The Assessment Of Affordances May Lead To Innovative Solutions For The Design Of Outdoor Learning Environments To Support Early Childhood Development. Fourteenth International Conference on Design Principles & Practices. November 11-13, Online Conference.

Lori Guerrero, Ellie Nahirafee, Fatemeh Marzban and **Debajyoti Pati**. (2019). Biomimicry and Natural Architecture: An approach toward sustainability in healthcare environments. IDEC Southwest Regional Conference, Waco, Texas, October 3-4.

Fares Alsaygh, Sahand Abbasi, and **Debajyoti Pati**. (2019). A Sustainable Design for Long-Term Facilities "a Healthy Environment for Elderly". EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

Mahnaz Ensafi, Saman Jamshidi and **Debajyoti Pati**. (2019). Environmental Variables That Influence People's Wayfinding in Indoor Environments: An Integrative Literature Review. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

Sahar Mihandoust, Mahshad Kazemzadeh, and **Debajyoti Pati**. (2019). Evolution of Access to Nature in Healthcare Environments. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

Sahar Mihandoust and **Debajyoti Pati**. (2019). Exploring the Relationship between Access to Nature Views and Nurse Burnout. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Debajyoti Pati**. (2019). Security Implications of ED Physical Design. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

Sahand Abbasi, Kristi Gaines, **Debajyoti Pati**, Charles Klein, and Malinda Colwell. (2019). Secret Space: Children's Perspective of Secret Hiding Places. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

Sheema Nemati, Daniah Ashoor, and **Debajyoti Pati**. (2019). Introducing Sustainable Solutions to a Healthcare Facility in Texas. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Debajyoti Pati.** (2019). Designing to reduce falls in patient rooms. Designing the Future of Healthcare: Linking Problem, Evidence, and Transformation, Georgia Institute of Technology, April 23, 2019.

Melinda Anderson-Guerrero and **Debajyoti Pati.** (2018). Rethinking the Design of Primary Care to Encourage Participation in Preventative Care. 2018 IDEC Southwest Regional Conference, Little Rock, AR, October 25-26, 2018.

David Navarrete and **Debajyoti Pati.** (2018). Applied Cognitive Architecture: The Restorative Impact of Perceived Open Space. ANFA conference, San Diego, CA, September 20-22.

Sahar Mihandoust and **Debajyoti Pati.** (2018). Evolution of depth in access to nature in health care environments. IDEC Annual Meeting, Boston, MA, March 7-10.

Sahand Abbasi and **Debajyoti Pati.** (2018). Playground design phenotypes through history: A comparative study. Paper presented at EDRA International Conference, Oklahoma City, OK, June 6-9.

Arsalan Gharaveis, **Debajyoti Pati,** Kirk Daniel Hamilton, Mardelle McCuskey Shepley. (2017). The Impact of Visibility on Teamwork, Collaborative Communication, and Security in Emergency Departments. EDRA, Madison, WI, May 31 – June 3.

Shabboo Valipoor, **Debajyoti Pati,** Matt Stock, Doug Bazuin. (2017). Evaluating Design Factors in Seating Solutions to Increase Safety Among Elderly Patients: An Experimental Approach. EDRA, Madison, WI, May 31 – June 3.

Haithem A. El-Hammali, Cherif M. Amor, **Debajyoti Pati.** (2017). Building Information Modeling: Challenges in Implementation for Academia and Industry. EDRA, Madison, WI, May 31 – June 3.

Shabboo Valipoor and **Debajyoti Pati.** (2017). Design for Older Patients: An Objective Evaluation of Patient Chairs at Hospitals. 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017), Los Angeles, CA, July 17-21, 2017.

Ahmad Alansari and **Debajyoti Pati.** (2017). CIDA Site Visit: Shifting Toward an Alternative Interior Design Program Evaluation Method. IDEC 2017 Annual Conference. Chicago, Illinois, March 8-12, 2017.

Kristi Gaines, Michael O'Boyle, Michelle Pearson, A. Islam, and **Debajyoti Pati.** (2017). The Impact of Environmental Stimuli on Neural Activity. IDEC conference, Chicago, IL, March 8-12, 2017.

Kristi Gaines, Michael O'Boyle, Michelle Pearson, A. Islam, **Debajyoti Pati,** and Kareem Al-Khalil. (2016). The Use of Virtual Environments to Detect Reactions to Classroom Features. Interior Design Educators Council, Austin, Texas. (October 2016).

Kristi Gaines, Michael O'Boyle, Michelle Pearson, **Debajyoti Pati,** Zahidul Islam. (2016). Neural Interactions between the Built Environment and Individuals with Autism using Augmented Reality Visualization. EDRA Conference, Raleigh, NC, May 18-21.

Debajyoti Pati, and **Negin Housharian.** (2016). Interior and Environmental Design Factors Affecting Efficiency in Emergency Departments. Environmental Design Research Association 47th Annual Conference, Raleigh, NC, May 18-21.

Ahmad Alansari and **Debajyoti Pati**. (2015). Redesigning a Cardiac Intensive Care Unit through Employing an Evidence-Based Design Approach. IDEC Southwest Regional Conference 2015. Fort Collins, Colorado. (Regional)

Aimee Cloutier, James Yang, **Debajyoti Pati**, Shabboo Valipoor, Brandon Snailer, and Jerrod Hollers. (2015). Motion Capture Experiment and Data Analysis for Identifying Potential Patient Falls in a Hospital Bedroom and Bathroom Setting. 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015), Las Vegas, July 26-30, 2015. (International)

Hessam Ghamari and **Debajyoti Pati**. (2015). Examining Eye Fixations during Wayfinding in Unfamiliar Environments. EDRA, Los Angeles, May 27-30, 2015. (International)

Michelle Pinson, Kristi Gaines and **Debajyoti Pati**. (2015). The Physiological Effects of Window Decals on Pediatric Patients. IDEC conference, Forth Worth, TX, March 12-14, 2015. (National)

Hessam Ghamari and **Debajyoti Pati**. (2015). Visual Environmental Attributes Contributing to Wayfinding in Unfamiliar Environments. IDEC conference, Forth Worth, TX, March 12-14, 2015. (National)

Cherif M. Amor, Michael O'Boyle, **Debajyoti Pati**, Hou Jiancheng and Duy Pham. (2015). Use of Neuroscience in Interior Design: Impact of Lighting Color Temperature on Attention Deficit Hyperactivity Disorder (ADHD) Subjects. IDEC conference, Forth Worth, TX, March 12-14, 2015. (National)

Rehab Aburas, **Debajyoti Pati**, Kristi Gaines, N. Gilinsky, Robert Casanova. (2014). Birthing in Nature. International Conference on Architecture and Civil Engineering, Dubai (UAE), December 2014. (International)

**Debajyoti Pati**, Michael O'Boyle, Upali Nanda, Jiancheng Hou, Hessam Ghamari, and Robyn Bajema. (2014). An fMRI-Based Exploration of Neural Correlates of the 'Formal' Environmental Attributes of Healthcare Settings. Academy of Neuroscience for Architecture (ANFA) Conference, San Diego, CA, September 18-20. (International)

Rehab Aburas and **Debajyoti Pati**. (2014). Examining the Influence of Nature Stimulus in Enhancing Labor Experience in LDR Units. EDRA, New Orleans, May 28-May 31. (International)

**Debajyoti Pati**, Michael O'Boyle, Upali Nanda, Kathy Hathorn, Robyn Bajema, and Hessam Ghamari. (2014). Do Curves Matter? An fMRI-Based Examination of Neural Reactions to Contours. EDRA, New Orleans, May 28-May 31. (International)

Jill Pable, Michelle Ossmann, Sheila J. Bosch, Erin Peavey, Upali Nanda, **Debajyoti Pati**, Rana Zadeh, Lyn D. Geboy, Patricia Morrill, Amy Keller, Laurie Waggener, Andrew Alden, Mark Proffitt. (2014). Pragmatic Design Research: Emerging Theories and Methods in Practice. EDRA, New Orleans, May 28-May 31. (International)

Cherif M. Amor; Michael O'Boyle; **Debajyoti Pati**; Duy Q. Pham. (2014). Use of Neuroscience in Design: A Comparative Analysis of Neural and Behavior Outcomes. EDRA, New Orleans, May 28-May 31. (International)



Kristi Gaines and **Debajyoti Pati**. (2013). Rural Healthcare Facilities: The Association between the Physical Environment and Safe, Efficient, and Quality Care. IDEC Southwest Regional Conference, Norman, OK, October 17-19. (Regional)

Michelle Pinson, Kristi Gaines, **Debajyoti Pati** and Melinda Colwell. (2013). The role of altered window views on feelings and preferences of pediatric patients and parents. IDEC Southwest Regional Conference, Norman, OK, October 17-19. (Regional)

**Debajyoti Pati**, Cherif Amor, Michael O'Boyle, Shabboo Valipoor, Hessam Ghamari. (2013). Exploring Neural Correlates of the Sky View. EDRA international conference, Providence, RI, May 29 – June 1. (International)

**Debajyoti Pati** and Kristi Gaines. (2013). Rural Healthcare: A Framework for Design Research. EDRA international conference, Providence, RI, May 29 – June 1. (International)

**Debajyoti Pati**, Cherif Amor, Michael O'Boyle and Shabboo Valipoor. (2013). Neuro-Imaging and Interior Design: Symbiosis between Design and Brain Mapping. IDEC Conference, Indianapolis, IN, February 17-19. (National)

Cherif Amor, **Debajyoti Pati** and Michael O'Boyle. (2013). Interior Architecture and Neuro-Imaging: Adding to the Body of Knowledge? International Conference on Art and Humanities, Honolulu, Hawaii, Jan 11-14. (International)

Upali Nanda and **Debajyoti Pati**. (2012). Lessons from Neuroscience: Building Blocks for Charting New Frontiers. ANFA (Academy of Neuroscience for Architecture) conference, San Diego, CA, September 20 – 22. (International)

**Debajyoti Pati** and Tom Harvey. (2012). Extraneous and Peripheral Factors that can Stifle Designing for Flexibility in Healthcare. EDRA 2012, Seattle, WA. May 30 – June 2. (International)

**Debajyoti Pati**. (2012). Reducing System Waste: Measuring Staff Walking in Acute Healthcare Settings. Presentation as part of a full day intensive titled "Development of Tools for Healthcare Environments Research and Practice". EDRA 2012, Seattle, WA. May 30 – June 2. (International)

Cherif Amor and **Debajyoti Pati**. (2012). Symbiosis between Design Concepts and Creativity: An Evidence-Based Design Approach. IDEC Conference, Baltimore, MD, March 19 – 22. (National)

**Debajyoti Pati** and Tom Harvey. (2011). Operational Challenges Associated with the All Single Patient Room Concept in Acute Care. EDRA 2011, Chicago, May 25-28. (International)

Cherif Amor, **Debajyoti Pati**, Verrick Walker, Emily Guilford and Jill Pable. (2011). Evidence-Based Design: What Kind of Conceptual Framework? EDRA 2011, Chicago, May 25-28. (International)

Cherif Amor; **Debajyoti Pati**; Verick Walker, Emily Guilford; Jill Pable. (2011). Evidence-Based Design: What Kind of Conceptual Framework? IDEC conference, Denver CO, March 16-19. (National)

**Debajyoti Pati** and Thomas Harvey. (2010). Illustrating a Performance-Based Approach to Evidence-Based Design: A Case Study of Nurse Walking Distance. EDRA 2010, Washington DC, June 2-6. (International)

Saif Haq and **Debajyoti Pati**. (2010). Examining the 'Sharp End': Evidence-Based Knowledge and Design Decision Making. EDRA 2010, Washington DC, June 2-6. (International)

**Debajyoti Pati** and panel. (2010). Applying Research in Practice. EDRA 2010, Washington DC, June 2-6. (International)

**Debajyoti Pati** and Thomas Harvey. (2009). Patient Room Handedness: Implications on Patient Safety and Care Efficiency. EDRA, Kansas City, MO, May 27-31. (International)

**Debajyoti Pati** and Thierry Rosenheck. (2009). Workshop on Openness and Security. EDRA, Kansas City, MO, May 27-31. (International)

**Debajyoti Pati** and Thomas Harvey. (2008). Impacts of Different Patient Room Configurations on Patient Care Activities in Adult Medical-Surgical Units. EDRA 39 International Conference, Veracruz, Mexico, May 28 – June 1. (International)

**Debajyoti Pati**, Jay Farbstein, Rich Wener and Melissa Farling. (2008). Toward an Environmental Neuropsychology: Neuroscience and Courthouse design. EDRA 39 International Conference, Veracruz, Mexico, May 28 – June 1. (International)

**Debajyoti Pati**, Lubomir Popov and Ross Koppel. (2007). Healthcare Design Research Problems: Opportunities for Collaboration with Sociologists. Association of Applied and Clinical Sociologists (AACCS). Ann Arbor, MI, October 4-6. (National)

**Debajyoti Pati**, Mahbub Rashid and Craig Zimring. (2007). Balancing Openness and Security in Federal Courthouses: Reassessing Openness in a Heightened Security Scenario. EDRA 38, Sacramento CA, May 30 – June 3, 2007. (International)

**Debajyoti Pati**, Craig Zimring and Thomas Harvey. (2007). Influence of View in Inpatient Care Units on Nurse Stress and Well-Being. EDRA 38, Sacramento CA, May 30 – June 3, 2007. (International)

**Debajyoti Pati**, Thomas Harvey and Carolyn Cason. (2007). Defining the Design Characteristics of a Successful Adaptable Inpatient Care Unit. EDRA 38, Sacramento CA, May 30 – June 3, 2007. (International)

**Debajyoti Pati** and panel. (2007). Evidence-Based Design in Architectural Practice: Issues and Challenges. EDRA 38, Sacramento CA, May 30 – June 3, 2007. (International)

**Debajyoti Pati** and Laurie Waggener. (2006). Healthcare Design Research Problems: Opportunities for Collaboration with Sociologists. Sociology for What? 2006 Annual Conference of the Association for Applied and Clinical Sociology (AACCS). October 26-28, San Jose, CA. (National)

**Debajyoti Pati** and Robert Farrow. (2006). The Role of the Physical Environment in the Hospital of the 21st century. Beyond Conflict, EDRA 37, Atlanta, GA, May 3-7. (International)

**Debajyoti Pati.** (2005). Interfacing E-B Research and Building Design: Revisiting POEs through a Conceptual Modeling Approach within the Performance Framework. EDRA 36, Vancouver, Apr27-May 1. (International)

Craig Zimring, Saif Haq, **Debajyoti Pati**, Thierry Rosenheck and F. Szigeti. (2000). Learning from Post Occupancy Evaluation. Workshop in the EDRA 31 Conference, San Francisco, May 10-14. (International)

### REFEREED ACADEMIC CONFERENCE POSTER PRESENTATIONS

Sahar Mihandoust, **Debajyoti Pati**, and Jamie Roney. (2022). Exploring the Impact Exposure to Nature in Nurse Work and Break Spaces has on Burnout. Sigma's 33rd International Nursing Research Congress. Scotland. July 21-25, 2022.

Amani Khan and **Debajyoti Pati**. (2021). Built-environment complexity, well-being, and place; Design constructs of the wellness center ReGenesis. IDEC Virtual Conference. March 1-4, 2021.

Wang Huili and **Debajyoti Pati**. (2018). Where do people work in the future? Poster presented at EDRA International Conference, Oklahoma City, OK, June 6-9.

Cherif Amor, Michael O'Boyle, and **Debajyoti Pati**. (2016). Neuroscience Informing Design: Impact of Fluorescent CCT on Neurodiverse Populations. ANFA Conference, San Jose, CA, September 22-24.

Duy Pham, Jianchen Hou, Ravi Rajmohan, **Debajyoti Pati**, Michael O'Boyle, Cherif Amor. (2015). The Effects of Lighting Conditions on the Attention Deficit Hyperactivity Disorder (ADHD) Brain: An fMRI Study. American Association for the Advancement of Science (AAAS) national conference. San Jose, CA, February 14, 2015. (National)

**Debajyoti Pati**, Patricia Frier, Susan Sayari, Shabboo Valipoor, Misty Zachery, and Gary Davis. (2014). Does the Ceiling View from a Hospital Bed Matter: An Empirical Comparison of Two Visual Conditions. EDRA, New Orleans, May 28-May 31. (International)

Haithem El-Hammali and **Debajyoti Pati**. (2013). An Evidence-Based Design Approach for Redesigning an Emergency Department. EDRA international conference, Providence, RI, May 29 – June 1. (International)

Marwa Abdelmonem and **Debajyoti Pati**. (2013). Reducing Depression Through Increasing Autonomy Among Elders in Nursing Homes. EDRA international conference, Providence, RI, May 29 – June 1. (International)

Angela Bourne, Kristi Gaines and **Debajyoti Pati**. (2013). A Conscientious Neurosensitive Approach to the Design of Therapeutic Environments. EDRA international conference, Providence, RI, May 29 – June 1. (International)

Haithem El-Hammali and **Debajyoti Pati**. (2013). Redesigning an Emergency Department Waiting Area Using an Evidence-Based Approach. International Conference on Arts and Humanities, Honolulu, Hawaii. Jan 11 – Jan 14. (International)

Haithem El-Hammali and **Debajyoti Pati**. (2012). Redesigning an Emergency Department Waiting Area Using an Evidence-Based Approach. EDRA International Conference, Seattle, WA. May 30 – June 2. (International)

Islam Obeidat, Saif Obeidat and **Debajyoti Pati**. (2012). Evidence-Based Design towards Sustainable School Clinics. EDRA International Conference, Seattle, WA. May 30 – June 2. (International)

Mallika Bose, **Debajyoti Pati** and Craig Zimring. (2004). Reconciling Security, Openness and Community: The Case of Federal Courthouses. EDRA 35, Albuquerque, NM, May 2004. (International)

### REFEREED INDUSTRY CONFERENCE ORAL PRESENTATIONS

**Debajyoti Pati**, Farzane Omid, Armin Piriyaee, and Jennie Evans. (2023). Addressing healthcare resilience through new genotypes of hospitality buildings. European Healthcare Design, London, England, June 12-14.

**Debajyoti Pati**, Hamed Yekita, and Kirk Hamilton. (2022). Life-Saving Split-Second Clinical Decisions: The Role of Spatial Awareness. Healthcare Design Conference and EXPO. San Antonio, TX, October 8-11, 2022.

**Debajyoti Pati**, Farzane Omid, Armin Piriyaee, and Jennie Evans. (2022). Could Healthcare Inform Hospitality Design: A Case for Urban Resilience. Healthcare Design Conference and EXPO. San Antonio, TX, October 8-11, 2022.

Laurie Waggener, Ellen Angelo, **Debajyoti Pati** and Renee Fiala. (2022). Nurse's Assessment of Operations/Design Fit: Lessons Learned from a Sequential Optimization Cycle. Healthcare Design Conference and EXPO. San Antonio, TX, October 8-11, 2022.

Sahar Mihandoust and **Debajyoti Pati**. (2020). Exploring the relationship between access to nature views and nurse burnout. European Healthcare Design Conference, Sept 14-18, Online Conference.

*Avani Parikh and **Debajyoti Pati**. (2020). Using Choice-Based Design to Improve Behavioral Health Outcomes. ASHE-PDC Conference, San Antonio, TX, March 22-25. [Conference cancelled owing to Covid-19]*

***Debajyoti Pati**. (2020). North American global perspectives. Design & Health World Congress, Ghent, Belgium, April 14-19. [Conference cancelled owing to Covid-19]*

**Debajyoti Pati** and Patricia Freier. (2019). Healthcare in the Home: Do We Have the Right Environment? Healthcare Design Expo and Conference, New Orleans, LA, November 2-5, 2019.

Arsalan Gharaveis, Kirk Hamilton, Mardelle Shepley, and **Debajyoti Pati**. (2019). Reducing Security Risks: How Visibility Enhances Security in Community Hospitals' Emergency Departments. Healthcare Design Expo and Conference, New Orleans, LA, November 2-5, 2019.

Timothy Hawk, **Debajyoti Pati**, Dave Redemske, and Stephanie Stubbs. (2019). Making the best use of professionally reviewed research: BRIK Interactive. AIA Conference on Architecture, Las Vegas, June 6-8.

**Debajyoti Pati**, Thomas Harvey, and Patricia Freier. (2018). Reducing Patient Falls: Top Five Physical Design Factors Warranting Attention. Healthcare Design Conference and Expo, Phoenix, AZ, November 10-13, 2018.

Arsalan Gharaveis, Kirk Hamilton, **Debajyoti Pati** and Mardelle Shepley. (2018). To See is to Attend: Improving Teamwork and Communication in the ED. Healthcare Design Conference and Expo, Phoenix, AZ, November 10-13, 2018.

Benjamin Easter, Negin Housharian, and **Debajyoti Pati**. (2018). Re-thinking the ED: Optimizing the ED efficiency and patient flow. Health Facilities Symposium and Expo, Austin, TX, October 8-10, 2018.

Arsalan Gharaveis and **Debajyoti Pati**. (2017). “The Impact of Visibility on Teamwork Communication and Security in ED”. Healthcare Facilities Symposium & Expo, Austin, TX, September 18-20, 2017.

**Debajyoti Pati**. (2017). Preventing Patient Falls through Physical Design. Design and Health World Congress, Vienna, July 13-16.

**Debajyoti Pati**. (2016). Physical Design Strategies to Reduce Patient Falls. European Healthcare Design Conference, London, UK, 27-28 June, 2016.

**Debajyoti Pati**, Thomas Harvey, Mary Grace Rey and Shabboo Valipoor. (2015). Capturing the Fall Moment—The Dirty Hand of Physical Design. Healthcare Design Conference & Expo. Washington, D.C., November 14-17. (National)

Angela Bourne, Kristi Gaines, **Debajyoti Pati**, and Robin Loel. (2015). Neuro-considerate Environments for Adults with Intellectual Development Diversities: An Integrated Design Approach to Support Well-Being. Healthcare Design Conference & Expo. Washington, D.C., November 14-17. (National)

**Debajyoti Pati**, Michael O’Boyle, Upali Nanda, Jiancheng Hou and Hessam Ghamari. (2015). Neural Reactions to Contours in Healthcare Settings. Design & Health World Congress. Hong Kong, China, July 14-19. (International)

**Debajyoti Pati**. (2014). Neural Correlates of Nature Stimuli. Design & Health World Congress. Toronto, Canada, July 9-13. (International)

**Debajyoti Pati**, Phyllis Kaplan, Thomas Harvey and Sipra Pati. (2014). Toward a Navigation-Friendly Hospital—Where to Bank Your Investment. Healthcare Design Conference, San Diego, CA, November 15-18. (National)

**Debajyoti Pati**, Upali Nanda, Jiancheng Hou, and Hessam Ghamari. (2014). Do Curves Matter? An fMRI Examination of Neural Reactions to Formal Attributes of Healthcare Environments. Healthcare Design Conference, San Diego, CA, November 15-18. (National)

**Debajyoti Pati**, Susan Sayari, Patricia Freier, and Shabboo Valipoor. (2014). In the Lap of Nature—Benefits of Nature Stimulus in Patient Room Ceilings. Healthcare Design Conference, San Diego, CA, November 15-18. (National)

Rehab Aburas, **Debajyoti Pati**, Robert Casanova, and Nicole Adams. (2014). Natural Visual Stimuli—Creating Positive Birthing Experiences. Healthcare Design Conference, San Diego, CA, November 15-18. (National)

**Debajyoti Pati** and Upali Nanda. (2014). The Courtship of Neuroscience and Design: An Emerging Domain for Health Care Design Evidence. ASHE-PDC conference, Orlando, FL, March 16-19. (National)

**Debajyoti Pati**, Phyllis Kaplan, Thomas Harvey and Sipra Pati. (2013). Lost in the Hospital—What Environmental Information Do We Seek? Healthcare Design conference, Orlando, FL, November 16-19. (National)

**Debajyoti Pati** and Michael O’Boyle. (2013). The Secret of the Human-Nature Love Affair: Understanding the Neural Underpinnings. Design & Health World Congress, Brisbane, Australia, July 10-14. (International)

**Debajyoti Pati**, Michael O’Boyle and Cherif Amor. (2012). The Brain-Nature Love Affair: A Deep Dive into the Neural Mechanisms Triggering Salutogenic Responses to Nature. Healthcare Design conference, Phoenix, AZ, November 3 – 6. (National)

Phyllis Kaplan, Thomas E. Harvey and **Debajyoti Pati**. (2012). Fostering Innovation in the Military Health System. Healthcare Design conference, Phoenix, AZ, November 3 – 6. (National)

Phyllis Kaplan, Thomas E. Harvey and **Debajyoti Pati**. (2012). Fostering Innovation in the Military Health System. Healthcare Facilities Symposium & Expo, Chicago, IL, October 2 – 4. (National)

**Debajyoti Pati**, Barbara Summers and Pamela Redden. (2012). Retaining the Caring Presence and Healing Touch in New Generation Asian Hospitals: Learning from the American Experiment. Design & Health World Congress. Kuala Lumpur, Malaysia, June 27 – July 1. (International)

**Debajyoti Pati**, Jennie vans, Thomas Harvey and David Vincent. (2012). First Do No Harm: How the Physical Design Impacts Safe Care in the Emergency Department. ASHE-PDC conference, Phoenix, AZ, March 4-7. (National)

**Debajyoti Pati**, Jaynelle Stichler and Deborah Sweetland. (2011). A Framework for Evaluating Evidence in Evidence-Based Design. Healthcare Design Conference. Nashville. Nov 13-16. (National)

**Debajyoti Pati**, Barbara Summers, Pamela Redden and Mahbub Rashid. (2011). Teaming Up—Does Unit Decentralization Impact Teamwork and Operational Efficiencies? Healthcare Design Conference. Nashville. Nov 13-16. (National)

Angela Lee, **Debajyoti Pati** and Bill Seed. (2011). Building Smart Without Compromising Efficiency. ASHE-PDC, Tampa, FL, March 13-16. (National)

**Debajyoti Pati**, Thomas Harvey, Jennie Evans and Doug Bazuin. (2010). Inflexibility in Flexible Design—Factors that Can Stifle Design. Health Care Design, Las Vegas, NV, Nov 13-16. (National)

Anjali Joseph, Xiaobo Quan and **Debajyoti Pati**. (2010). What Do I Measure? Metrics and tools Used in EBD Research. Health Care Design, Las Vegas, NV, Nov 13-16. (National)

**Debajyoti Pati** and Thomas Harvey. (2010). Can You See Me: Exploring the Multiple Dimensions of Patient Visibility. ASHE-PDC, San Diego, CA, March 14-17. (National)

**Debajyoti Pati**, Upali Nanda and Laurie Waggener. (2010). Modulating Behavior in the Waiting Areas: How Positive Distractions Can Contribute to Strategic Organizational Objectives. ASHE-PDC, San Diego, CA, March 14-17. (National)

**Debajyoti Pati**, Terry Ritchey and Evelyn Reyers. (2009). Are Same-Handed Patient Care Environments Safer & More Efficient?—An Empirical Assessment. Health Care Design, Orlando, FL, Oct 31-Nov 03. (National)

**Debajyoti Pati**, Upali Nanda and Laurie Waggener. (2009). Do Positive Distractions Influence Human Behavior? —A study of Pediatric Patients in Two Waiting Areas. Health Care Design, Orlando, FL, Oct 31-Nov 03. (National)

Thomas Harvey, **Debajyoti Pati** and Terry Ritchey. (2009). Reducing Nurse Walking Distance Through Design: Areas of Maximum Impact. Healthcare Facilities Symposium & Expo, Chicago, IL, September 30 – October 02. (National)

**Debajyoti Pati**, Kathy Speer, Ron Dennis and Upali Nanda. (2009). Positive Distractions: Engineering the Waiting Experience of Pediatric Patients. NACHRI 2009 Facilities Design Conference, Austin, TX, May 13-15. (National)

Thomas Harvey and **Debajyoti Pati**. (2009). Patient Safety: An Empirical Examination of Safety and Efficiency Implications of Patient Room Handedness. ASHE-PDC, Phoenix, AR, March 8-11. (National)

**Debajyoti Pati**, James Thomas and Jennie Evans. (2008). Medical Gas Ceiling Booms: The Right Set of Circumstances to Invest. Health Care Design, Washington, DC, November 8-11. (National)

Thomas Harvey, **Debajyoti Pati** and Jennie Evans. (2008). Inboard versus Outboard Toiler/Shower Location: The Impact on Patients and Clinicians. Health Care Design, Washington, DC, November 8-11. (National)

Jay Farbstein, Melissa Farling, Mark Goldman, **Debajyoti Pati** and Dennis Dunne. (2008). Evidence-Based Design for Sustainable Justice Facilities. The American Institute of Architects, Academy of Architecture for Justice Conference, San Francisco, CA, November 5-8, 2008. (National)

Doug Puckett, Thomas Harvey and **Debajyoti Pati**. (2008). Evidence Based Design: Addressing Client Goals through Physical Design. Construction Owner Association of America (COAA) 2008 Spring Owners Leadership Conference, St Louis, MO, May 7-9. (National)

Jennie Evans and **Debajyoti Pati**. (2008). A Performance-Based Approach to Optimizing Patient Room Configuration. NACHRI Facilities Design Conference, Denver, CO, May 7-9. (National)

**Debajyoti Pati** and Paul Barach. (2008). A Caregivers View and its Effect on Patient Healing. ASHE-PDC, Orlando, FL, March 10-13, 2008. (National)

James Thomas, **Debajyoti Pati** and Jennie Evans. (2008). Medical Gas Booms versus Traditional Headwalls. ASHE-PDC, Orlando, FL, March 10-13, 2008. (National)

**Debajyoti Pati**, Paul Barach and Thomas Harvey (2007). View From A Far: The Influence of Views in Inpatient Care Units on Nurse Stress and Well-Being. Health Care Design Conference, Dallas, TX, Nov 3-6, 2007. (National)

Thomas Harvey and **Debajyoti Pati**. (2007). Defining the Design Characteristics of a Successful Adaptable Inpatient Unit. Health Care Design Conference, Dallas, TX, Nov 3-6, 2007. (National)

Terri Zborowsky, **Debajyoti Pati**, Anjali Joseph and Lynn Geboy. (2007). Towards a New Paradigm of Healthcare Design Practice: Informing Decision-Making through Research. Health Care Design Conference, Dallas, TX, Nov 3-6, 2007. (National)

Thomas Harvey and **Debajyoti Pati**. (2007). Inpatient Unit Design: Defining the Design Characteristics of a Successful Adaptable Unit. American Institute of Architects National Convention, San Antonio TX May 2-5, 2007. (National)

Arthur St Andre, Thomas Harvey and **Debajyoti Pati**. (2007). Designing for Intensive Care. 2007 International Conference and Exhibition on Health Facility Planning, Design and Construction (ASHE-PDC), San Antonio TX, February 25-28, 2007. (National)

Thomas Harvey, **Debajyoti Pati** and John Rich. (2006). The Lean Mean Inpatient Care Machine. Healthcare Facilities Symposium, Chicago, IL, October 24-26. (National)

**Debajyoti Pati**. (1995). Towards a More Effective National Energy Policy. *Proceedings of the All India Seminar-cum-Workshop on Solar Passive Architecture*, held at the Institution of Engineers, Orissa State Center, Bhubaneswar, India, 46-52. (Regional)

#### REFEREED INDUSTRY CONFERENCE POSTER PRESENTATIONS

**Debajyoti Pati**, Thomas Harvey, Mary Grace Rey and Shabboo Valipoor. (2015). Capturing the Fall Moment—The Dirty Hand of Physical Design. Healthcare Design Conference & Expo. Washington, D.C., November 14-17. (National)

**Debajyoti Pati**, Phyllis Kaplan, Thomas Harvey and Sipra Pati. (2014). Toward a Navigation-Friendly Hospital—Where to Bank Your Investment. Healthcare Design Conference, San Diego, CA, November 15-18. (National)

**Debajyoti Pati**, Upali Nanda, Jiancheng Hou, and Hessam Ghamari. (2014). Do Curves Matter? An fMRI Examination of Neural Reactions to Formal Attributes of Healthcare Environments. Healthcare Design Conference, San Diego, CA, November 15-18. (National)

**Debajyoti Pati**, Susan Sayari, Patricia Freier, and Shabboo Valipoor. (2014). In the Lap of Nature—Benefits of Nature Stimulus in Patient Room Ceilings. Healthcare Design Conference, San Diego, CA, November 15-18. (National)



**NON-REFEREED INDUSTRY CONFERENCE ORAL PRESENTATIONS**

**Debajyoti Pati** (2010). Beyond Reasonable Doubt: Can (or Should) BIM be Evidence-Based? BIMForum, October 14-15, Atlanta, GA. (National)

**Debajyoti Pati** and Athanassios Economou. (2005). Information and Communications Technology in Courthouse Design and Management: The CourtsWeb Project. GSA-PBS Capital Construction Conference. Organized by the Office of Chief Architect, GSA-PBS, Miami, FL, April 4-7. (National)

Craig Zimring and **Debajyoti Pati**. (2004). Web-Based Courthouse “Source Book” Facilitating the Comparison of Various Courthouse Design Strategies of an Assembled Library of Projects. Delivering Design Excellence in Justice Architecture. 5th International Conference on Justice Design. Organized by the American Institute of Architects, Chicago, IL, October 27-30. (International)

## RESEARCH + CONSULTING

### SUCCESSFUL FUNDED RESEARCH STUDIES AT TTU

***Develop fall detection and prediction capabilities for a smart healthcare life support system***

Funds: SmartMate Solution LLC Grant – (\$4,000)

Team: Debajyoti Pati (PI)

Period: June 2022 to December 2022

***Supplemental funds for Reem's Study***

Funds: COHS Associate Dean for Research (\$1,000)

Period: August 2022 – July 2023

***SmartMate IV, a solution to patient falls.***

NSF I-Corps – National (\$50,000)

Team: Pati, D. (50%), Yang, J. (50%), Hashemi, S., and Banister, R.

Period: April 2022 to September 2023

***NSF I-Corps - Regional***

TTU NSF I-Corps Site award - Type I - Texas Tech University I-Corps Site for Innovation and Entrepreneurship, Award Number: 1829254.

Team: Pati, D. (50%), Yang, J. (50%), Hashemi, S., and Banister, R.

Period: May 2021

***EYP Ocean Medical Center Surgical Unit Study***

Funds: \$15,000 (Sponsored by EYP Health)

Team: Pati, D. (100%)

Period: October 2019 to July 2020

***College of Human Sciences seed funding to support grant application development for IV Pole Study***

Funds: \$2,200

Team: Pati, D., Yang, J., and Harry, J.

Period: Fall 2019 and Spring 2020

***Develop a Prioritized List of Physical Design Interventions to Reduce Patient Falls***

Funds: Agency for Healthcare Research and Quality, R03HS025021 (\$98,619)

Team: Pati, D. (PI), Lee, J. (Co-PI)

Period: September 2016 – September 2017

***A Comparative Effectiveness Study of Hypothesized Physical Design Interventions to Reduce Patient Falls in Hospital Rooms***

Funds: College Of Human Sciences Come n' Go Grant (\$5,000)

Team: Pati, D. (PI)

Period: October 2016 – August 2017

***Interactions between the Built Environment and Individuals with Autism using Augmented Reality Visualization*** \$2750

Funds: Texas Tech Neuroimaging Institute Seed Grant (\$2,750)

Team: Gaines, K. (PI), O'Boyle, M., Pearson, M., Islam, AKM, Pati, D., Kareem, A.

Period: October 2016 – May 2017

***Designing Emergency Departments to Provide Efficient, Patient-Centered Care: An Analysis of Split Flow and Sub-Waiting Area Models.***

Funds: 2016 Emergency Medicine Foundation and AAHF grant (\$79,999)

Team: Wiler, J. (PI), Lennon, J. (Co-PI), Easter, B. (AI), Houshiarian, N. (AI), Pati, D. (consultant)

Period: July 2016 – June 2017

***An Objective Evaluation of Patient Seating Solutions to Reduce Falls in the Elderly Population.***

Funds: Herman Miller (\$2,750)

Team: Pati, D. (PI; 100%), Shabboo Valipoor (RA).

Period: June 2015 – May 2016

Collaborators: TTU Department of Health Exercise and Sports Sciences.

***Identifying and Examining Micro Physical Environment Factors Contributing to Patient Falls.***

Funds: National Patient Safety Foundation (\$99,993)

Team: Pati, D. (PI; 70%), Yang, J. (Co-PI; 30%)

Period: September 2013- May 2015

Collaborator/s: TTU Department of Mechanical Engineering; Covenant Hospital, Lubbock, TX; HKS Architects, Dallas, TX

***An fMRI-Based Exploration of Neural Correlates of 'Formal' Environmental Attributes in Healthcare Settings***

Funds: REDCenter, American Art Resources and Rockwell Foundation (\$28,812)

Team: Pati, D. (PI; 80%), O'Boyle, M. (Co-PI; 20%)

Period: June 2013- August 2014

Collaborator/s: TTU Department of Human Development and Family Studies; American Art Resources, Houston, TX

***Impact of Fluorescent Lighting Spectral Energy Distribution on Neurodiverse Populations: A Comparative Analysis of Neural and Behavior Outcomes***

Funds: College of Human Sciences Internal Grant (\$10,000)

Team: O'Boyles, M. (PI; 0%), Pati, D. (Co-PI; 50%); Amor, C. (Co-PI; 50%)

Period: August 2013- July 2014

***Identifying Elements of the Healthcare Environment that Contributes to Way-Finding***

Funds: US Department of Defense (\$250,000; Part of a larger contract with HKS, Inc.)

IDIQ Contract No. W912DY-10-D-0002 (\$800,000)

Team: Pati, D. (PI), Harvey, T. (Co-PI), Pati, S. (Co-I), Willis, D. (Co-I)

Period: January 2013 to December 2013

Collaborator/s: Texas Health Presbyterian Hospital, Dallas, TX

***Examining the Behavioral and Brain Responses to Photographic Sky Compositions***

Funds: The Sky Factory (\$49,999)

Team: Pati, D. (PI; 60%); O'Boyle, M. (Co-PI; 20%); Amor, C. (Co-PI; 20%)

Period: September 2011 to August 2014

Collaborator/s: TTU Department of Human Development and Family Studies; Covenant Hospital, Lubbock, TX

***Creation of Evidence-Based Design (EBD) knowledge summaries for the American Institute of Architects***

Funds: AIA (American Institute of Architects; \$5,000)

Team: Pati, D. (PI; 100%)

Period: January 2012 to June 2012

***An Integrative Approach to the Design of Independent Living Environments for Adults with Intellectual and Developmental Disabilities***

Funds: ASID (American Society of Interior Designers; \$35,000)

Team: Gaines, K. (PI; 50%); Pati, D. (Co-PI; 50%)

Period: January 2012 to December 2013

***Develop a Framework of Healthcare Design Research Issues in Rural Healthcare Facilities***

Funds: College of Human Sciences Internal Grant, Texas Tech University (\$10,000)

Team: Pati, D. (PI; 50%); Gaines, K. (Co-PI; 50%)

Period: January 2012 to August 2012

**RESEARCH CONSULTING WORK IN CURRENT POSITION AT TTU**

***Designing Emergency Departments to Provide Efficient, Patient-Centered Care: An Analysis of Split Flow and Sub-Waiting Area Models.***

Funds: 2016 Emergency Medicine Foundation and AAHF grant (\$79,999)

Team: Wiler, J. (PI), Lennon, J. (Co-PI), Easter, B. (AI), Houshiarian, N. (AI), Pati, D. (consultant)

Period: July 2016 – June 2017

***Comprehensive Interstitial Building Systems Study for the Military Health System.***

Entity: NIKA Architects + Engineers

Role: Expert Advice on MHS Research Framework

Period: January 2015 to September 2015

***Establish MHS's (Military Health System) Facility Innovation & Research Model (FIRM)***

Funds: US Military Health System, Department of Defense (\$900,000)

Contract Holder: CADRE and HKS Architects

Role: Coordination and Subject Matter Expertise; Validation Studies PI

Period: November 2011 to December 2013

***Clinical Review of the 2010 FGI Guidelines for the Design and Construction of Healthcare Facilities***

Funds: Facilities Guidelines Institute (\$35,000)

Contract Holder: CADRE

Role: Coordination and Subject Matter Expertise

Period: May 2011 to October 2011

## PAST RESEARCH STUDIES

***Examine the Impact of Inpatient Unit Decentralization on Staff Communication Collaboration and Process Efficiencies***

Funds: HKS Architects

Role: PI

Period: January 2011 to December 2011

Location: MD Anderson Cancer Center

Collaborators: MD Anderson Cancer Center, University of Kansas

***Environmental Correlates of Efficiency and Safety in Emergency Departments: An Exploratory Examination***

Funds: Academy of Architecture for Health Foundation (AAHF) Research Grant and Herman Miller Grant (\$35,000)

Role: PI

Period: January 2010 to December 2011

Location: Four emergency departments across the United States

Collaborators: Synurgy Healthcare Solutions

***Systemic and Cultural Factors Impeding Designing for Operational Flexibility***

Funds: Herman Miller Grant (\$10,000)

Role: PI

Period: January 2009 to May 2010 (complete)

Location: Five acute care hospitals across the United States

***Advancing Translational Research through Facility Design (Expert Roundtable)***

Funds: HKS Architects

Role: Coordination and PI

Period: November 6, 2010 (complete)

Collaborator: MedStar Institute for Innovation (MI2)

Location: Washington Hospital Center, MedStar Health, Washington, DC.

***Towards optimizing inpatient unit design and care model: a measure to predict nurse walking distance on hospital bed units***

Funds: Herman Miller Grant (\$10,000)

Role: PI

Period: January 2008 to August 2009 (complete)

Collaborator: The Research and Education Institute of the Texas Health Resources (THR)

Location: THR system hospitals

***Patient room handedness and caregiver body mechanics: Physical design correlates of staff body mechanics in patient care delivery***

Funds: Academy of Architecture for Health Foundation (AAHF) Research Grant and Herman Miller Grant (\$20,000)

Role: PI

Period: December 2007 to May 2009 (complete)

Collaborator: University of Texas Arlington, School of Nursing

Location: UTA Smart Hospital

***Impact of patient room physical design elements on the care process, caregivers and patients***

Funds: HKS Architects

Role: PI

Period: October 2007 to December 2008 (complete)

Collaborator: Integris Baptist Medical Center, Oklahoma City

Location: Integris Baptist Medical Center, Oklahoma City

***Influence of positive distractions on children in hospital waiting areas***

Funds: American Art Resources, Catherine Meyers Ambient Art™, Henry Domke Fine Art, Mohawk, Gail Nash (\$5,000)

Role: PI

Period: January 2008 to August 2009 (complete)

Collaborator: American Art Resources, Children's Medical Center Dallas

Location: Children's Medical Center Dallas

***Membrane Ceiling in the Emergency Department***

Funds: HHS Grant - 6 HFPEP070012-01-02 (\$100,000)

Role: Co-PI (Pietrzak PI)

Period: October 2008 – June 2009 (complete)

Collaborator: CCRD Partners

***Inpatient Unit Design: Defining the design characteristics of a successful adaptable unit***

Funds: AIA 2006 Research Grant and Herman Miller Grant (\$14,000)

Role: PI

Period: May 2006 to February 2007 (complete)

Collaborator: University of Texas Arlington, School of Nursing

Location: Six large U.S. hospitals

***Influence of the visual environment and cumulative minor irritants in the physical and social environment of inpatient units on nurse stress and well-being***

Funds: HKS Architects

Role: PI

Period: June 2006 to May 2007 (complete)

Collaborator: Children's Healthcare of Atlanta

Location: Children's Healthcare of Atlanta at Egleston and Scottish Rite

***A multi-dimensional comparative assessment of Headwall versus Ceiling Booms in Intensive Care Units***

Funds: Getinge USA (\$3,250)

Role: PI

Period: December 2007 to May 2008 (complete)

Collaborator: Children's Medical Center Dallas

Location: Children's Medical Center Dallas

***CourtsWeb - An Interactive website for U.S. Courthouses and Courtrooms***

Funds: USGSA and Administrative Office of US Courts (\$1,000,000, approximately)

Role: GRA and Project Manager (Zimring PI)

Period: August 2001 – August 2005 (project continued after my relocation)  
Location: 14 new federal courthouse projects

***Exploring relationships between physical design and walking behavior in campus settings***

Funds: NIH and CDC research grant (\$275,000, approximately)

Role: Co-author of grant proposal (Zimring PI; successful application at Georgia Tech; project continued after my relocation)

Period: November 2005 to October 2007

***The Role and Scope of a Centralized Courtroom Mock-up Facility***

Funds: USGSA and US Courts research grant (\$250,000, approximately)

Role: GRA and Project Manager (Zimring PI)

Period: August 1999 to August 2001 (complete)

***Maximizing the benefits of courtroom POEs in design decision support and academic inquiry through a unified conceptual model***

Period: 2003 to 2005

Doctoral Dissertation

***The North American skyway systems: a post implementation evaluation***

Period: 1990-1991

Masters Dissertation

## TEACHING

### COURSES TAUGHT IN CURRENT POSITION

#### Undergraduate

1. ID 4000 Individual Studies
2. ID 4385 Advanced Interiors
3. ID 4606 Collaboration Studio

#### Graduate

1. ENVD 5301 Graduate Research Seminar
2. ENVD 5307 Internship
3. ENVD 5310 Readings
4. ENVD 5311 Individual Studies
5. ENVD 5378 Research Methods I
6. ENVD 5381 Environmental Design Analysis
7. ENVD 5383 Sustainable Communities & Design
8. ENVD 5386 Acute Care Design
9. ENVD 6000 Master's Thesis
10. ENVD 6001 Master's Report
11. ENVD 6310 Research Design
12. ENVD 6370 Environmental Design Technology and Development
13. ENVD 6378 Research Methods II
14. ENVD 6389 Environmental Design Studio
15. ENVD 7000 Research
16. ENVD 8000 Doctor's Dissertation

### DEVELOPMENT OF NEW COURSES

1. ENVD 5385 Design for Health
2. ENVD 5383 Sustainable Communities & Design
3. ENVD 5386 Acute Care Design
4. ENVD 6310 Research Design

### STUDY ABROAD

2018, May: Maymester Imagineering Emotions Workshop in TTU Seville; course attended by students from KIIT University, India, and University of Pecs, Hungary.

### FACULTY ADVISING

2015: Faculty Mentor for Dr. Chris Haddox, West Virginia University, under the WVU Big XII Fellowship Program (*successful*).



2012: Faculty 'Mentor' for the W.T Grant Scholars 2012 Application by Dr. Kristi Gaines (Assistant Professor, DoD). Titled: "An Integrative Approach to Creating Optimal Environments for Individuals with Neurodiversities" (*unsuccessful*).

## GRADUATE STUDENT ADVISING

### **Doctoral Dissertation Chair**

1. Rehab Aburas (Committee Chair – Doctoral dissertation; Graduated, 2014 summer. *'Examining the Influence of Nature Stimulus in Enhancing Labor Experience in LDR Units'*)
2. Hessam Ghamari (Committee Chair – Doctoral dissertation; Graduated, 2014 fall. *'Examining Eye Fixations during Wayfinding in Unfamiliar Environments'*)
3. Ahdab Mahdaly (Committee Chair – Doctoral dissertation; Graduated 2015 spring. *'The Influence of Visual and Direct Physical Access on the Sense of Control of Saudi Women in the Home Environment'*)
4. Ahmad Alansari (Committee Chair – Doctoral dissertation; Graduated 2015 fall. *'Examining the Preparedness of Interior Design Students in Kuwait from a Global Design Firm Perspective'*)
5. Haithem El-Hammali (Committee Chair – Doctoral dissertation; Graduated 2015 summer. *'An Exploratory Examination of the Deficiencies in Building Information Modeling (BIM) Pedagogy in Addressing Contemporary Industry Need'*)
6. Shabboo Valipoor (Committee Chair – Doctoral Dissertation; Graduated 2016 summer. *'An Objective Evaluation of Patient Seating Solutions for the Elderly Population'*)
7. Negin Housharian (Committee Chair – Doctoral Dissertation; Graduated fall 2016. *'Healthcare Planning Parameters Affecting Efficiency in Emergency Departments'*)
8. Nizar Haddad (Committee Chair – Doctoral Dissertation; Graduated Spring 2017. *'Do Green Building Strategies Influence Customers' and Owners' Perception in the Restaurant Business'*)
9. Ghada Najjar (Committee Chair – Doctoral Dissertation; Graduated Spring 2017. *'A Qualitative Exploration of Emotional Responses of People with Bipolar Disorder to the Interior Residential Environment'*)
10. Sahar Mihandoust (Committee Chair – Doctoral Dissertation; Graduated Summer 2019. *'Exploring the Relationship between Access to Nature Views and Nurse Burnout'*)
11. Redha Gheraba (Committee Chair – Doctoral Dissertation; Graduated Summer 2020. *'A Comparative Analysis of Visualization Methods in Architecture: Employing Virtual Reality to Support the Decision-Making Process in the AEC Industry'*)
12. Fares Alsaygh (Committee Chair – Doctoral Dissertation; Graduated Fall 2020. *'Exploration of Factors Influencing the Healthcare Experience of Saudi Arabian Female Patients: A Qualitative Inquiry'*)
13. Saman Jamshidi (Committee Chair – Doctoral Dissertation; Graduated Summer 2021. *'Identifying Elements of the Interior Environment that Contribute to Wayfinding Cognitive Processes'*)
14. Eman Nasrallah (Committee Chair – Doctoral Dissertation; Graduated Fall 2021. *'Exploration of the role of perceived environmental affordances in supporting intergenerational interaction, and hence loneliness in the elderly'*)
15. Apoorva Rane (Committee Chair – Doctoral Dissertation; Graduated Summer 2022. *'Evaluating Impacts of Integrating Visual Access to Nature in Nurses' Work Environments in Deep Interior Spaces'*)
16. Reem Bagais (Committee Chair – Doctoral Dissertation; Graduated Spring 2023. *'Associations between the Home Physical Environment Factors and Child Self-Regulation'*)

17. Tyler De La Plaine (Committee Chair – Doctoral Dissertation; Graduated Spring 2023. *'Rural Creative Placemaking: a Mixed-Methods Field Experiment on Public Art Creation, Resident's Place Attachment, and Sense of Community'*)
18. Elnaz Nahirafee (Committee Chair – Doctoral Dissertation; in progress)
19. Hamed Yekita (Committee Chair – Doctoral Dissertation; in progress)
20. Atina Kia (Committee Chair – Doctoral Dissertation; in progress)
21. Amani Khan (Committee Chair – Doctoral Dissertation; in progress)
22. Seyedehastaran Hashemi (Committee Chair – Doctoral Dissertation; in progress)
23. Rana Bazaid (Committee Chair – Doctoral Dissertation; in progress)
24. Iman Bokhari (Committee Chair – Doctoral Dissertation; in progress)
25. Iman Pirzadeh (Committee Chair – Doctoral Dissertation; in progress)

**Doctoral Dissertation Committee Member**

1. Angela Bourne (Committee member – Doctoral dissertation; Graduated; 2013. *'Neuro considerate environments for adults with intellectual developmental diversities: An integrated design approach to support wellbeing'*)
2. Islam Obeidat (Committee member, Doctoral dissertation; Graduated; 2013. *'Impact of collaboration on sustainability in academic settings: Collaboration between learning, application and innovation'*)
3. Michelle Pinson (Committee member – Doctoral dissertation; Graduated 2014 fall. *'The Physiological Effects of Window Decals on Pediatric Patients'*)
4. Marwa Abdelmonem (Committee member – Graduated spring 2016; *'Examining the Effects of Virtual Home Views on Depressed Elderly Residing in Nursing Homes'*)
5. Sahand Abbasi (Committee member – Graduated Fall 2020; *'Secret spaces for children in outdoor learning environments'*).
6. Melinda Anderson-Guerrero (Committee member – Graduated Fall 2020; *'An exploration of outdoor learning environment behavior settings that afford solitary, parallel and cooperative play'*).

**Master Thesis/Report Chair**

1. Monica Archuleta (Committee Chair – Masters report; Graduated; 2013. *'Place Attachment and Dementia in Assisted Living Facilities: Creating a sense of home'*)
2. Hessam Ghamari (Committee Chair – Masters report; Graduated; 2013. *'Integration of Signage and Environmental Elements in Healthcare Facilities'*)
3. Shuang Niu (Committee Chair – Masters report; Graduated 2014 fall. *'Identifying Building Types Best Suited for Adaptive Reuse as Dental Clinics in China'*)
4. Nahlah Yousef (Committee Chair – Masters thesis; Graduated 2015 spring. *'Identifying Design Attributes of Public Buildings to Reflect Changing Political Ideologies of the Egyptian Government'*)
5. Michell Cowart (Committee Chair – masters report; Graduated 2015 spring; *'A Design Concept for Breastfeeding in Public Venues to Address a Critical Public Health Issue'*)
6. Kolawole Lamidi (Committee Member, College of Engineering; Graduated 2022 fall; *'Patient Tracking Intravenous Pole: Design, Development and Evaluation'*)

**Master Thesis/Report Committee Member**

1. Andleeb Ali (Committee member – Master report; Graduated; 2014. *'A Sustainable Design Approach for Positive Learning Environments in Elementary School Classrooms'*)

2. Michelle Pinson (Committee member – Masters thesis; Graduated; 2013. *'The role of altered window views and perceived stress on pediatric patients'*)
3. Diana Sabouni (Committee member – Masters thesis; Graduated; 2012. *'Creating Therapeutic Outpatient Healthcare Facilities: Taking a Closer Look at Imaging Departments'*)

### **Outside the Department**

1. Amarjeet Mohanty, Indian Institute of Technology, Delhi (Doctoral, in progress)
2. Tyler De-La-Plaine, TTU Graduate School (Masters, completed); Fall 2018
3. Milad Fereshtehzad, Texas Tech College of Architecture (Doctoral Dissertation Committee Member; Graduated fall 2022; *'Employing Interdisciplinary Metrics for improving Equity in the Design of public Urban Spaces: a methodological proof of concept for two Landscape Urbanist and New Urbanist case studies in Austin, TX'*)
4. Arsalan Gharaveis, Texas A&M University (Doctoral, completed); Summer 2017
5. Joanna Aduhene, TTU Department of Landscape Architecture (Masters, completed); Spring 2017

## **STUDENT AWARDS**

- 2023: Farzane Omidi. Won the IFMA Foundation Scholarship.
- 2023: Ladan Khalvati. Sustainable Communities and Design project, VoroFlora Hotel, won the ASID TX Chapter's 2023 Celebrating Design Texas Awards.
- 2022: Farzane Omidi received the 1<sup>st</sup> Place, Commercial Student Category, Fort Worth Shining Star Design Competition award, ASID Texas Chapter.
- 2022: Farzane Omidi awarded Second Place in the 'Celebrating Design Texas 2022' Commercial Design category, by ASID Texas Chapter.
- 2021: Ahmed Gheraba received an Honorable Mention in the EDRA Great Places Award for his dissertation research titled "A Comparative Analysis of Visualization Methods in Architecture: Employing Virtual Reality to Support the Decision-Making Process in the AEC Industry"
- 2020: Seyedeh Nastaran won 2<sup>nd</sup> place in the Residential Design – Student 2020 Celebrating Design Texas Award from ASID Texas Chapter, for her class project on titled "A House for Lifelong Living".
- 2020: Alina Lim and Kaylee Polasek's speaking proposal titled "Helping Patient Mobility Through Advancements in the IV Pole Design" accepted for the 2020 Texas Tech University Undergraduate Research Conference. Proposal was based on undergraduate research conducted by them on my IV Pole Study.
- 2019: Seyedeh Nastaran Hashemi and Ashley Rose Marino won the first prize in the Europe Design & Health Future Leader Award Competition for project titled "A House for Lifelong Living".
- 2017: Shabboo Valipour in the winning team of EDRA (Environmental Design Research Association) CORE (Certificate of Research Excellence) award for research titled "Neural Correlates of Nature Stimuli".
- 2017: Ahdab Mahdaly in the winning team of Best Paper Award – Design and Health World Congress, Vienna, for paper titled "Transplantation of Western Architecture in the Gulf Region".
- 2016: Shabboo Valipour in the winning team of Interior Design Educators Council (IDEC), Scholarship Achievement Award for research titled "Identifying and Examining Micro Physical Environment Factors Contributing to Patient Falls".
- 2016: Marwa Abdelmonem (doctoral student) won the 2nd place in the Best Student Paper Award, EDRA conference, Raleigh NC.

- 2015: Shabboo Valipoor in the winning team of CIE (Computer and Information in Engineering) Advanced Modeling and Simulation (AMS) Technical Committee 2015 Best Paper Award, for paper titled "Identifying Possible Patient Slips and Falls Using Motion Capture Experiments". ASME 2015 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2015). Boston, MA.
- 2015: Michell Pinson (doctoral student) won the Graduate Student Research Award, of the Interior Designer Educator Council, USA.
- 2014: Shabboo Valipoor in the winning team of International Research Project Award for study titled "Neural Correlates of Nature Stimuli: An fMRI Study", International Academy for Design and Health.
- 2013: Hessam Ghamari adjudged Graduate Student of the Year, Texas Tech University, College of Human Sciences.
- 2013: Michelle Pinson's research project, "The Role of Altered Window Views on Feelings and Preferences of Pediatric Patients and Parents" received the first place graduate student award at the Southwest IDEC conference in Oklahoma City.
- 2013: Michelle Pinson's research project, "The Role of Altered Window Views on Feelings and Preferences of Pediatric Patients and Parents" received the 3rd place overall "Best Presentation" award at the Southwest IDEC conference in Oklahoma City.
- 2012: Five graduate students in the winning team of Nurture Collegiate Healthcare Design Competition (Islam Obeidat, Daina Sabouni, Duy Pham, Haitham El-Hammali, Rehab Aburas).

#### GRADUATE STUDENT PEER-REVIEWED PUBLICATIONS

- Hamed Yekita**, Debajyoti Pati, and D. Kirk Hamilton. (2023, August 13). Could Spatial Awareness Affect Situation Awareness: A Conceptual Examination. *Health Environments Research and Design Journal*. DOI: 10.1177/19375867231192116
- Reem Bagais** and Debajyoti Pati. (2023). Associations between the home physical environment and child self-regulation: A conceptual exploration. *Journal of Environmental Psychology*. <https://doi.org/10.1016/j.jenvp.2023.102096>.
- Rana Bazaid** and Debajyoti Pati. (2023, July). Exploring Hospital Physical Environment Influencing Users First Impressions of the Healthcare Organizations: A conceptual framework based on literature Review. *Health Environments Research and Design Journal*. <https://doi.org/10.1177/19375867231184573>
- Ahmed Redha Gheraba**, Clifford B. Fedler, Debajyoti Pati, Marcelo Schmidt, Mukaddes Darwish, Ali Nejat and Bill Wade. (2023). Causes, effects, and control measures of construction change orders in the U.S. *Journal of Civil Engineering and Architecture*, 17, 57-72. doi: 10.17265/1934-7359/2023.02.001
- Ahmed Redha Gheraba**, Debajyoti Pati, Clifford B. Fedler, Marcelo Schmidt, Michael S. Molina, Ali Nejat and Muge Mukaddes Darwish. (2023). A Comparative Analysis of Visualization Methods in Architecture: Employing Virtual Reality to Support the Decision-Making Process in the AEC Industry. *Journal of Civil Engineering and Architecture*, 17, 73-89. doi: 10.17265/1934-7359/2023.02.002
- Iman Bokhari** and Debajyoti Pati. (2022). The state of primary health-care policies and interventions in KSA in promoting population health. *Asian Journal of Pharmaceutics*, 16(4), 397-401.

**Rana Bazaid** and Debajyoti Pati. (2022). Creating a profound sense of comfort to stimulate workers' innovation and productivity: Exploring research and case study applications. *International Journal of Social and Business Sciences*, 16(4), 199-205.

Laurie Waggener, Debajyoti Pati, **Apoorva Rane**, Esteban Montenegro, and Ellen Angelo. (2021). Lessons learned from decentralization of an elective surgery medical-surgical unit. *Health Environments Research and Design Journal*, 14(3), 182-201. <https://doi.org/10.1177/1937586721989687>

**Sahar Mihandoust**, Debajyoti Pati, Jaehoon Lee, and Jamie Roney. (2021). Exploring the relationship between access to nature views and nurse burnout. *Health Environments Research and Design Journal*, 14(3), 258-273. <https://doi.org/10.1177/1937586721996302>

Debajyoti Pati, Shabboo Valipoor, Lesa Lorusso, Sahar Mihandoust, **Saman Jamshidi**, **Apoorva Rane**, and Mahshad Kazem Zadeh. (2021). The Impact of the Built Environment on Patient Falls in Hospital Rooms: An Integrative Review. *Journal of Patient Safety*, 17(4), 273-281. DOI: 10.1097/PTS.0000000000000613.

**Eman Nasrallah** and Debajyoti Pati. (2020). Can physical design help reduce loneliness in the elderly: A theoretical exploration. *Health Environments Research and Design Journal*. <https://doi.org/10.1177/1937586720975208>

**Saman Jamshidi** and Debajyoti Pati. (2020, June 16). A Narrative Review of Theories of Wayfinding within the Interior Environment. *Health Environments Research and Design Journal*. <https://doi.org/10.1177/1937586720932276>

**Saman Jamshidi**, Mahnaz Ensafi, and Debajyoti Pati. (2020). Wayfinding in Interior Environments: An Integrative Review. *Frontiers in Psychology*. 11:549628. doi: 10.3389/fpsyg.2020.549628

**Shabboo Valipoor**, Debajyoti Pati, Mahshad Kazem-Zadeh, and **Sahar Mihandoust**. (2020). Falls in Older Adults: A Systematic Review of Literature on Interior-Scale Elements of the Built Environment. *Journal of Aging and Environment*, 34(4), 351-374. <https://doi.org/10.1080/02763893.2019.1683672>.

**Rana Bazaid**, **Hamed Yetika**, **Amani Khan**, and Debajyoti Pati. (2020). Healing Village: Implementing Biomimicry, Natural Architecture to Promote Sustainability in Healthcare. Proceedings of the IAFOR International Conference on Sustainability, Energy & the Environment – Hawaii (IICSEEHawaii2020). January 10-12, 2019, Honolulu, Hawaii. [http://25qt511nswfi49iayd31ch80-wpengine.netdna-ssl.com/wp-content/uploads/papers/iicseehawaii2020/IICSEEHawaii2020\\_55307.pdf](http://25qt511nswfi49iayd31ch80-wpengine.netdna-ssl.com/wp-content/uploads/papers/iicseehawaii2020/IICSEEHawaii2020_55307.pdf)

Debajyoti Pati, **Shabboo Valipoor**, Lesa Lorusso, **Sahar Mihandoust**, **Saman Jamshidi**, **Apoorva Rane**, and Mahshad Kazem Zadeh. (2019). The Impact of the Built Environment on Patient Falls in Hospital Rooms: An Integrative Review. *Journal of Patient Safety*. DOI: 10.1097/PTS.0000000000000613.

Benjamin Easter, **Negin Houshiarian**, Debajyoti Pati and Jennifer Wiler. (2019). Designing Efficient Emergency Departments: Discrete Event Simulation of Internal Waiting-Areas and Split Flow Sorting. *The American Journal of Emergency Medicine*, 37(12):2186-2193.. <https://doi.org/10.1016/j.ajem.2019.03.017>

**Michelle Pearson**, Kristi Gaines, Debajyoti Pati, Melinda Colwell, L. Motheral, and Nicole Adams. (2019). The Physiological Effects of Window Murals on Pediatric Patients. *Health Environments Research and Design Journal*, 12(2), 116-129. doi.org/10.1177/1937586718800483

Mahnaz Ensafi, **Saman Jamshidi**, and Debajyoti Pati. (2019, Nov 12). Environmental Variables That Influence People's Wayfinding in Indoor Environments: An Integrative Literature Review, in Beth, A., Wener, R., Yoon, B., Rae, R. A., & Morris, J. (Eds.), *Proceedings from EDRA 50: Sustainable urban environments*. Brooklyn, NY: Environmental Design Research Association. <https://cuny.manifoldapp.org/projects/edra-50-proceedings>.

**Hessam Ghamari** and Debajyoti Pati. (2018). Examining Eye-Fixations during Wayfinding in Unfamiliar Indoor Environments. *The International Journal of Designed Objects*, 12(2), 15-33.

Debajyoti Pati, Jaehoon Lee, **Sahar Mihandoust**, Mahshad Kazem-Zadeh, and Youngha Oh. (2018). Top Five Physical Design Factors Contributing to Fall Initiation. *Health Environments Research & Design Journal*, 11(4), 50-64. DOI: 10.1177/1937586718763798

**Shabboo Valipoor**, Debajyoti Pati, Matt Stock and Doug Bazuin. (2018). Safer chairs for elderly patients: Design evaluation using electromyography and force measurement. *Ergonomics* 61(7), 902-912 . doi: 10.1080/00140139.2018.1427804

**Milad Fereshtehzad**, Debajyoti Pati, & Sohyun Park. (2018). Ecological Sensibility and Sustainability Criteria in Contemporary Urbanism Paradigms: A Comparative Analysis of Landscape Urbanism and New Urbanism. In C. Calorosso, & T. Clements (Eds.), Council of Educators in Landscape Architecture 2018 Conference March 21-24, 2018. *Transforming the Discussion: Breaking our Landscape Architecture Chrysalis* (pp. 682-694).

Debajyoti Pati, **Shabboo Valipoor**, Aimee Cloutier, James Yang, Patricia Freier, Thomas Harvey, and Jaehoon Lee. (2017). Physical Design Factors Contributing to Patient Falls. *Journal of Patient Safety*. [EPub ahead of publication] doi: 10.1097/PTS.0000000000000339

Benjamin Easter, **Negin Houshiarian**, Debajyoti Pati, Jim Lennon, and Jennifer Wiler. (2017). 49EMF Designing emergency departments to provide efficient, patient-centered care: An analysis of split flow and sub-waiting area models. *Annals of Emergency Medicine*, 70(4), S20.

**Rehab Aburas**, Debajyoti Pati, Robert Casanova, Nicole Gilinsky Adams. (2016). The Influence of Nature Stimulus in Enhancing the Birthing Experience. *Health Environments Research & Design Journal*. [EPub in advance] DOI: 10.1177/1937586716665581

Debajyoti Pati, Kristi Gaines, and **Shabboo Valipoor**. (2016). Delivering Rural Health in a Changing Health Model: A Qualitative Study Involving Four Hospitals. *Health Environments Research & Design Journal*, 10(1), 76-86. DOI: 10.1177/1937586716656443

Aimee Cloutier, James Yang, Debajyoti Pati, **Shabboo Valipoor**. (2016). Experimental Identification of Potential Falls in Older Adult Hospital Patients. *Journal of Biomechanics*, 49, 1016-1020. <http://dx.doi.org/10.1016/j.jbiomech.2016.02.012>

**Ahmad Alansari**, Debajyoti Pati, Sharran Parkinson, Kristi Gaines, Ali Alnajadah. (2016). Examining knowledge and skills of Interior Design Students in Kuwait from Global Design Firm Perspective. *International Design Journal*, 6(2), 77-83.

**Shabboo Valipoor** and Debajyoti Pati. Making Your Instruments Work for You. (2016). *Health Environments Research & Design Journal*, 9(3), 236-243. DOI: 10.1177/1937586715601423.

Debajyoti Pati, Patricia Freier, Michael O'Boyle, Cherif Amor, and **Shabboo Valipoor**. (2016). The Impact of Simulated Nature on Patient Outcomes: A Study of Photographic Sky Compositions. *Health Environments Research & Design Journal* 9(2), 36-51. DOI: 10.1177/1937586715595505

**Marwa Abdelmonem**, Kristi Gaines, and Debajyoti Pati. (2016). Connectedness-To-Home Reduces Depression in Long Term Facilities: A Theoretical Shift. Proceedings of The Environmental Design Research Association (EDRA) Conference, Raleigh, North Carolina, 32-38.

Debajyoti Pati, Michael O'Boyle, Cherif Amor, Jiancheng Hou, **Shabboo Valipoor**, and Dan Fang. (2014). Neural Correlates of Nature Stimuli: A fMRI Study. *Health Environments Research and Design Journal*, 7(2): 9-28.

Upali Nanda, Debajyoti Pati, **Hessam Ghamari** and Robyn Bajema. (2013). Lessons from neuroscience: form follows function, emotions follow form. *Intelligent Buildings International*, 5(1): 61-78. DOI:10.1080/17508975.2013.807767.

## GRADUATE STUDENT CONFERENCE PRESENTATIONS

**Elnaz Nahirafee** and Debajyoti Pati. (2023). The Impact Of Built Environment On Chance Of Falls In Women During Pregnancy And Postpartum. IDEC conference, Vancouver, BC, March 8-11.

Debajyoti Pati, **Farzane Omid**, Armin Piriyaee, and Jennie Evans. (2023). Addressing healthcare resilience through new genotypes of hospitality buildings. European Healthcare Design, London, England, June 12-14.

**Anna Batalova**. (2023). MindfulNEST: A Design Innovation to Improve the Mental Well-being of the Elderly Population within Assisted Living Facilities. TTU Undergraduate Research Conference, poster session. April 11, 2023.

Debajyoti Pati, **Hamed Yekita**, and Kirk Hamilton. (2022). Life-Saving Split-Second Clinical Decisions: The Role of Spatial Awareness. Healthcare Design Conference and EXPO. San Antonio, TX, October 8-11, 2022.

Debajyoti Pati, **Farzane Omid**, Armin Piriyaee, and Jennie Evans. (2022). Could Healthcare Inform Hospitality Design: A Case for Urban Resilience. Healthcare Design Conference and EXPO. San Antonio, TX, October 8-11, 2022.

**Farzane Omid** and Debajyoti Pati. (2022). Living Little Lahijan: A Model for Sustainability in the Hotel Industry. IDEC conference. New York, NY, March 2-5.

**Reem Bagais** and Debajyoti Pati. (2022). The Role of Physical Design in Improving Self-Regulation in Children: A Theoretical Exploration. IDEC conference. New York, NY, March 2-5.

**Saman Jamshidi** and Debajyoti Pati. (2022). Interior Wayfinding Theoretical Framework: A Synthesis of Wayfinding Related Theories Identified in the Literature. EDRA conference. Greenville, SC, June 1-4, 2022.

**Hamed Yekita**, Debajyoti Pati, and Kirk Hamilton. (2022). Situation Awareness Among Nurses in Patient Room: A Conceptual Model. EDRA conference. Greenville, SC, June 1-4, 2022.

**Reem Bagais** and Debajyoti Pati. (2022). Can Physical Design Help Improve Self-regulation in Children and Build Resilience: A Theoretical Exploration. The 7<sup>th</sup> IAFOR International Conference on Education. Hawaii, January 6-9, 2022.

**Reem Bagais** and Debajyoti Pati. (2021). Home Design and Child Self-Regulation Building Just Communities: A Theoretical Exploration. EDRA, Virtual Conference, May 19-23.

**Apoorva Rane** and Debajyoti Pati. (2021). Evaluating Impacts of Integrating Visual Access to Biophilia in Clinical Nurses' Workplaces, in Deep Interior Spaces. EDRA, Virtual Conference, May 19-23.

**Eman Nasrallah** and Debajyoti Pati. (2021). A Theoretical Exploration of Physical Design and Its Role in Reducing Loneliness in the Elderly. EDRA, Virtual Conference, May 19-23.

**Amani Khan** and Debajyoti Pati. (2021). Built-environment complexity, well-being, and place; Design constructs of the wellness center ReGenesis. IDEC Virtual Conference. March 1-4, 2021.

**Sahar Mihandoust** and Debajyoti Pati. (2020). Exploring the relationship between access to nature views and nurse burnout. European Healthcare Design Conference, Sept 14-18, Online Conference.

Debajyoti Pati, **Apoorva Rane**, David Navarrete, William Witherspoon. (2020). Engaging Spatial Maps with Multisensory Illusions. ANFA Conference, September 18-19, Online Conference.

**Apoorva Rane**, Andrew Johnston, and Debajyoti Pati. (2020). Evaluating the Impacts of Integrating Visual Access to Nature in Nurses' Work Environments and Deep Interiors. EDRA, April 4-7, Online Conference.

**Hamed Yakita**, **Rana Bazaid**, **Amani Khan**, and Debajyoti Pati. (2020). Healing Village: Improving Sustainability of a Hospital and Well-Being of Users in Terms of Site-Plan Design. EDRA, April 4-7, Online Conference.

**Marwa Abdelmonem**, Kristi Gaines, and Debajyoti Pati (2020). Rethinking Depression in Long-Term Care Facilities from an Environmental Perspective. EDRA, April 4-7, Online Conference.

**Melinda Anderson-Guerrero**, Debajyoti Pati, and Kristi Gaines. (2020). How The Assessment Of Affordances May Lead To Innovative Solutions For The Design Of Outdoor Learning Environments To Support Early Childhood Development. Fourteenth International Conference on Design Principles & Practices. November 11-13, Online Conference.



**Fares Alsaygh, Sahand Abbasi,** and Debajyoti Pati. (2019). A Sustainable Design for Long-Term Facilities “a Healthy Environment for Elderly”. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Mahnaz Ensafi, Saman Jamshidi** and Debajyoti Pati. (2019). Environmental Variables That Influence People’s Wayfinding in Indoor Environments: An Integrative Literature Review. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Sahar Mihandoust,** Mahshad Kazemzadeh, and Debajyoti Pati. (2019). Evolution of Access to Nature in Healthcare Environments. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Sahar Mihandoust** and Debajyoti Pati. (2019). Exploring the Relationship between Access to Nature Views and Nurse Burnout. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Sahand Abbasi,** Kristi Gaines, Debajyoti Pati, Charles Klein, and Malinda Colwell. (2019). Secret Space: Children’s Perspective of Secret Hiding Places. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Sheema Nemati, Daniah Ashoor,** and Debajyoti Pati. (2019). Introducing Sustainable Solutions to a Healthcare Facility in Texas. EDRA International Conference, Brooklyn, NY, May 22-26, 2019.

**Melinda Anderson-Guerrero** and Debajyoti Pati. (2018). Rethinking the Design of Primary Care to Encourage Participation in Preventative Care. 2018 IDEC Southwest Regional Conference, Little Rock, AR, October 25-26, 2018.

**Shabboo Valipoor** and Debajyoti Pati. (2017). Patient Safety and Furniture Design: An Objective Evaluation of Seating Solutions for the Elderly. EDRA, Madison, WI, May 31 – June 3.

**Shabboo Valipoor** and Debajyoti Pati. (2017). Design for Older Patients: An Objective Evaluation of Patient Chairs at Hospitals. 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017), Los Angeles, CA, July 17-21, 2017.

**Ahdab Mahdaly** and Debajyoti Pati. (2017). Transplantation of Western Culture in the Gulf Region. Design and Health World Congress, Vienna, July 13-16.

**Ahmad Alansari** and Debajyoti Pati. (2017). CIDA Site Visit: Shifting Toward an Alternative Interior Design Program Evaluation Method. IDEC 2017 Annual Conference. Chicago, Illinois, March 8-12, 2017.

**Haithem El-Hammali,** Mohamed Cherif Amor, Debajyoti Pati. (2017). Implementation of Building Information Modeling: Industry Practices and Academic Needs. 11th International Conference on Design Principles and Practices. Toronto, Canada, 2-4 March 2017.

**Ahmad Alansari,** Debajyoti Pati and Ali Alnajadah. (2017). Examining Preparedness of Interior Design Students in Kuwait from a Global Design Firm Perspective. 11th International Conference on Design Principles and Practices. Toronto, Canada, 2-4 March 2017.

Debajyoti Pati, and **Negin Housharian.** (2016). Interior and Environmental Design Factors Affecting Efficiency in Emergency Departments. Environmental Design Research Association 47th Annual Conference, Raleigh, NC.

**Marwa Abdelmonem**, Kristi Gaines, and Debajyoti Pati. (2016). Connectedness-To-Home Reduces Depression in Long Term Facilities: A Theoretical Shift. Proceedings of The Environmental Design Research Association (EDRA) Conference, Raleigh, North Carolina, 32-38.

Debajyoti Pati, Mary Grace Rey, Thomas Harvey and **Shabboo Valipoor**. (2015). Capturing the Fall Moment—The Dirty Hand of Physical Design. Healthcare Design Conference & Expo. Washington, D.C., November 14-17.

**Ahmad Alansari** and Debajyoti Pati. (2015). Redesigning a Cardiac Intensive Care Unit through Employing an Evidence-Based Design Approach. IDEC Southwest Regional Conference 2015. Fort Collins, Colorado.

Debajyoti Pati, Thomas Harvey, Mary Grace Rey and **Shabboo Valipoor**. (2015). Capturing the Fall Moment—The Dirty Hand of Physical Design. Healthcare Design Conference & Expo. Washington, D.C., November 14-17.

Debajyoti Pati, Michael O'Boyle, Upali Nanda, Jiancheng Hou and **Hessam Ghamari**. (2015). Neural Reactions to Contours in Healthcare Settings. Design & Health World Congress. Hong Kong, China, July 14-19.

Aimee Cloutier, James Yang, Debajyoti Pati, **Shabboo Valipoor**, Brandon Snailer, and Jerrod Hollers. (2015). Motion Capture Experiment and Data Analysis for Identifying Potential Patient Falls in a Hospital Bedroom and Bathroom Setting. 6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015), Las Vegas, July 26-30, 2015.

**Rehab Aburas**, Debajyoti Pati, Kristi Gaines, Robert Casanova, and Nicole Gilinsky Adams. (2015). Birth in Nature. Environmental Design Research Association, Los Angeles, May 27-30, 2015.

**Hessam Ghamari** and Debajyoti Pati. (2015). Examining Eye Fixations during Wayfinding in Unfamiliar Environments. EDRA, Los Angeles, May 27-30, 2015.

**Michelle Pinson**, Kristi Gaines and Debajyoti Pati. (2015). The Physiological Effects of Window Decals on Pediatric Patients. IDEC conference, March 12-14, 2015.

**Hessam Ghamari** and Debajyoti Pati. (2015). Visual Environmental Attributes Contributing to Wayfinding in Unfamiliar Environments. IDEC conference, March 12-14, 2015.

Debajyoti Pati, Michael O'Boyle, Upali Nanda, Jiancheng Hou and **Hessam Ghamari**. (2015). Neural Reactions to Contours in Healthcare Settings. Design & Health World Congress. Hong Kong, China, July 14-19.

Aimee Cloutier, James Yang, Debajyoti Pati, **Shabboo Valipoor**, Brandon Snailer and Jerrod Holler. (2015). Identifying Possible Patient Slips and Falls Using Motion Capture Experiments. Proceedings of the ASME 2015 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, Boston, MA, August 2-5, 2015.

Cherif M. Amor, Michael O'Boyle, Debajyoti Pati, Hou Jiancheng and **Duy Pham**. (2015). Use of Neuroscience in Interior Design: Impact of Lighting Color Temperature on Attention Deficit Hyperactivity Disorder (ADHD) Subjects. IDEC conference, March 12-14, 2015.

**Duy Pham**, Jiancheng Hou, Ravi Rajmohan, Debajyoti Pati, Michael O'Boyle, Cherif Amor. (2015). The Effects of Lighting Conditions on the Attention Deficit Hyperactivity Disorder (ADHD) Brain: An fMRI Study. American Association for the Advancement of Science (AAAS) national conference. February 14, 2015.

Debajyoti Pati, Upali Nanda, Jiancheng Hou, and **Hessam Ghamari**. (2014). Do Curves Matter? An fMRI Examination of Neural Reactions to Formal Attributes of Healthcare Environments. Healthcare Design Conference, San Diego, CA, November 15-18.

Debajyoti Pati, Susan Sayari, Patricia Freier, and **Shabboo Valipoor**. (2014). In the Lap of Nature—Benefits of Nature Stimulus in Patient Room Ceilings. Healthcare Design Conference, San Diego, CA, November 15-18.

**Rehab Aburas**, Debajyoti Pati, Robert Casanova, and Nicole Adams. (2014). Natural Visual Stimuli—Creating Positive Birthing Experiences. Healthcare Design Conference, San Diego, CA, November 15-18.

Debajyoti Pati, Michael O'Boyle, Upali Nanda, Jiancheng Hou, **Hessam Ghamari**, and Robyn Bajema. (2014). An fMRI-Based Exploration of Neural Correlates of the 'Formal' Environmental Attributes of Healthcare Settings. Academy of Neuroscience for Architecture (ANFA) Conference, San Diego, CA, September 18-20.

**Rehab Aburas** (2014). Examining the Influence of Nature Stimulus in Enhancing Labor Experience in LDR Units. EDRA, New Orleans, May 28-May 31.

Debajyoti Pati, Michael O'Boyle, Upali Nanda, Kathy Hathorn, Robyn Bajema, and **Hessam Ghamari**. (2014). Do Curves Matter? An fMRI-Based Examination of Neural Reactions to Contours. EDRA, New Orleans, May 28-May 31.

Debajyoti Pati, Patricia Frier, Susan Sayari, **Shabboo Valipoor**, Misty Zachery, and Gary Davis. (2014). Does the Ceiling View from a Hospital Bed Matter: An Empirical Comparison of Two Visual Conditions. EDRA, New Orleans, May 28-May 31.

**Michelle Pinson**, Kristi Gaines, Debajyoti Pati and Melinda Colwell. (2013). The role of altered window views on feelings and preferences of pediatric patients and parents. IDEC Southwest Regional Conference, Norman, OK, October 17-19.

Debajyoti Pati, Cherif Amor, Michael O'Boyle, **Shabboo Valipoor**, Hessam Ghamari. (2013). Exploring Neural Correlates of the Sky View. EDRA international conference, Providence, RI, May 29 – June 1.

Debajyoti Pati, Cherif Amor, Michael O'Boyle and **Shabboo Valipoor**. (2013). Neuro-Imaging and Interior Design: Symbiosis between Design and Brain Mapping. IDEC Conference, Indianapolis, IN, February 17-19.

**Haithem El-Hammali** and Debajyoti Pati. (2013). An Evidence-Based Design Approach for Redesigning an Emergency Department. EDRA international conference, Providence, RI, May 29 – June 1.

**Marwa Abdelmonem** and Debajyoti Pati. (2013). Reducing Depression Through Increasing Autonomy Among Elders in Nursing Homes. EDRA international conference, Providence, RI, May 29 – June 1.

**Angela Bourne**, Kristi Gaines and Debajyoti Pati. (2013). A Conscientious Neurosensitive Approach to the Design of Therapeutic Environments. EDRA international conference, Providence, RI, May 29 – June 1.

**Haithem El-Hammali** and Debajyoti Pati. (2013). Redesigning an Emergency Department Waiting Area Using an Evidence-Based Approach. International Conference on Arts and Humanities, Honolulu, Hawaii. Jan 11 – Jan 14.

**Haithem El-Hammali** and Debajyoti Pati. (2012). Redesigning an Emergency Department Waiting Area Using an Evidence-Based Approach. EDRA International Conference, Seattle, WA. May 30 – June 2.

**Islam Obeidat**, **Saif Obeidat** and Debajyoti Pati. (2012). Evidence-Based Design towards Sustainable School Clinics. EDRA International Conference, Seattle, WA. May 30 – June 2.

#### **GRADUATE STUDENT CONFERENCE POSTER PRESENTATIONS**

**Huili Wang** and Debajyoti Pati. (2018). Where do people work in the future? Poster presented at EDRA International Conference, Oklahoma City, OK, June 6-9.

Debajyoti Pati, Thomas Harvey, Mary Grace Rey and **Shabboo Valipoor**. (2015). Capturing the Fall Moment—The Dirty Hand of Physical Design. Healthcare Design Conference & Expo. Washington, D.C., November 14-17.

**Duy Pham**, Jianchen Hou, Ravi Rajmohan, Debajyoti Pati, Michael O’Boyle, Cherif Amor. (2015). The Effects of Lighting Conditions on the Attention Deficit Hyperactivity Disorder (ADHD) Brain: An fMRI Study. American Association for the Advancement of Science (AAAS) national conference. San Jose, CA, February 14, 2015.

Debajyoti Pati, Upali Nanda, Jiancheng Hou, and **Hessam Ghamari**. (2014). Do Curves Matter? An fMRI Examination of Neural Reactions to Formal Attributes of Healthcare Environments. Healthcare Design Conference, San Diego, CA, November 15-18.

Debajyoti Pati, Susan Sayari, Patricia Freier, and **Shabboo Valipoor**. (2014). In the Lap of Nature—Benefits of Nature Stimulus in Patient Room Ceilings. Healthcare Design Conference, San Diego, CA, November 15-18.

Debajyoti Pati, Patricia Frier, Susan Sayari, **Shabboo Valipoor**, Misty Zachery, and Gary Davis. (2014). Does the Ceiling View from a Hospital Bed Matter: An Empirical Comparison of Two Visual Conditions. EDRA, New Orleans, May 28-May 31.

**Haithem El-Hammali** and Debajyoti Pati. (2013). An Evidence-Based Design Approach for Redesigning an Emergency Department. EDRA international conference, Providence, RI, May 29 – June 1.

**Marwa Abdelmonem** and Debajyoti Pati. (2013). Reducing Depression Through Increasing Autonomy Among Elders in Nursing Homes. EDRA international conference, Providence, RI, May 29 – June 1.

**Angela Bourne**, Kristi Gaines and Debajyoti Pati. (2013). A Conscientious Neurosensitive Approach to the Design of Therapeutic Environments. EDRA international conference, Providence, RI, May 29 – June 1.

**Haithem El-Hammali** and Debajyoti Pati. (2013). Redesigning an Emergency Department Waiting Area Using an Evidence-Based Approach. International Conference on Arts and Humanities, Honolulu, Hawaii. Jan 11 – Jan 14.

**Haithem El-Hammali** and Debajyoti Pati. (2012). Redesigning an Emergency Department Waiting Area Using an Evidence-Based Approach. EDRA International Conference, Seattle, WA. May 30 – June 2.

**Islam Obeidat**, **Saif Obeidat** and Debajyoti Pati. (2012). Evidence-Based Design towards Sustainable School Clinics. EDRA International Conference, Seattle, WA. May 30 – June 2.

## **SERVICE AND OUTREACH**

### **TTU COMMITTEES**

#### **2022-2023**

- Chair, Investigator Financial Disclosure Committee, Texas Tech University
- President's Departmental Excellence in Safety Award committee, Texas Tech University
- Horn Distinguished Professor Evaluation Committee, College of Human Sciences
- Teaching Effectiveness Committee, College of Human Sciences
- Institutional Effectiveness Committee, College of Human Sciences
- Department of Design, Faculty Search Committee
- Department of Design, Travel Committee
- Department of Design, Annual Faculty Review
- Department of Design, Scholarship Committee

#### **2021-2022**

- Chair, Investigator Financial Disclosure Committee, Texas Tech University
- President's Departmental Excellence in Safety Award committee, Texas Tech University
- Institutional Effectiveness Committee, College of Human Sciences
- Promotion and Tenure Committee, College of Human Sciences
- Department of Design, Travel Committee
- Department of Design, Annual Faculty Review
- Department of Design, Scholarship Committee

#### **2020-2021**

- Chair, Investigator Financial Disclosure Committee, Texas Tech University
- President's Departmental Excellence in Safety Award committee, Texas Tech University
- Teaching Effectiveness Committee, College of Human Sciences
- Faculty Council, College of Human Sciences
- College Scholarship Committee, College of Human Sciences
- Horn Professorship Committee, College of Human Sciences
- Promotion and Tenure Committee, Department of Design
- Department of Design, Travel committee
- Department of Design, Annual Faculty Review
- Department of Design, Scholarship Committee

#### **2019-2020**

- COHS Dean Search Committee, Texas Tech University
- Investigator Financial Disclosure Committee, Texas Tech University
- Weeks Hall Design Committee, Texas Tech University
- Faculty Council, College of Human Sciences
- Online Learning Committee, College of Human Sciences
- Promotion and Tenure Committee, College of Human Sciences
- Dr. Parkinson post-tenure review committee, College of Human Sciences

*Curriculum Vitae*

- Department of Design, Travel committee
- Department of Design, Annual Faculty Review
- Department of Design, Journal Rating Committee
- Department of Design, Scholarship Committee

2018-2019

- Investigator Financial Disclosure Committee, Texas Tech University
- Weeks Hall Design Committee, Texas Tech University
- Research Committee, College of Human Sciences
- COA Third Year Review Committee, Texas Tech University
- P&T Committee, College of Human Sciences
- Teaching Effectiveness Committee, College of Human Sciences
- Department of Design , P&T Committee, Chair
- Department of Design , Annual Faculty Review
- Department of Design , Travel committee

2017-2018

- Investigator Financial Disclosure Committee, Texas Tech University
- India Task Force, Texas Tech University
- Weeks Hall Design Committee, Texas Tech University
- Research Committee, College of Human Sciences
- P&T Committee, College of Human Sciences
- Executive Associate Dean Search Committee, College of Human Sciences
- Department of Design , P&T Committee, Chair
- Department of Design , Faculty Search Committee
- Department of Design , Annual Faculty Review
- Department of Design , Travel committee

2016-2017

- Investigator Financial Disclosure Committee, Texas Tech University
- India Task Force, Texas Tech University
- Weeks Hall Design Committee, Texas Tech University
- Chair, Faculty Council, College of Human Sciences
- Research Committee, College of Human Sciences
- P&T Committee, College of Human Sciences
- Department of Design , P&T Committee, Chair
- Department of Design , Faculty Search Committee
- Department of Design , Annual Faculty Review
- Department of Design , Travel committee

2015-2016

- College of Architecture Dean search committee (TTU level)
- Investigators Financial Disclosure Committee (TTU Level)
- Graduate School Scholarship Application Committee (TTU Level)
- India Task Force, TTU, Office of Associate Vice Provost (TTU Level)

## *Curriculum Vitae*

- College of Human Sciences Research Committee (COHS Level)
- COHS Tenure & Promotion Committee (COHS Level)
- Department of Design, Annual faculty Review Committee (DoD Level)
- Department of Design Travel Committee (DoD Level)

### 2014-2015

- College of Architecture Graduate Program Review Committee (TTU Level)
- Investigators Financial Disclosure Committee (TTU Level)
- India Task Force, TTU, Office of Associate Vice Provost (TTU Level)
- College of Human Sciences Research Committee (COHS Level)
- Department of Design, Annual faculty Review Committee (DoD Level)

### 2013-2014

- India Task Force, TTU, Office of Associate Vice Provost (TTU Level)
- College of Human Sciences Research Committee (COHS Level)
- Department of Design, Chair, Graduate Faculty Search Committee (DoD Level)
- Department of Design, Department Chair Search Committee (DoD Level)
- Department of Design, Journal Rating Committee (DoD Level)

### 2012-13

- Selection Committee, Chancellor's Council Distinguished Research Award (TTU Level)
- College of Human Sciences Research Committee (COHS Level)
- College of Human Sciences Faculty Council (COHS Level)
- Department of Design, Department Chair Search Committee (DoD Level)

### 2011-12

- College of Human Sciences Research Committee (COHS Level)
- College of Human Sciences Faculty Council (COHS Level)
- Department of Design Faculty Search Committee (DoD Level)

## **EXTERNAL P&T AND PROGRAM REVIEWS**

- 2023 External reviewer, Architecture and Design Academic Program Review, Kent State University.
- 2023 Assistant Professor Daejin Kim, tenure and promotion, Iowa State University
- 2022 Assistant Professor, Sara Bayramzadeh, tenure and promotion, Kent State University
- 2022 Assistant Professor, Laura Cole, tenure and promotion, Colorado State University.
- 2022 Assistant Professor Ayman Fathy promotion to Associate Professor, University of Sharjah.
- 2021 Assistant Professor, Laura Cole, tenure and promotion, University of Missouri, Columbia.
- 2019 Assistant Professor, Chris Haddox, tenure and promotion at West Virginia University
- 2018 Assistant Professor Rana Sagha Zahed's tenure and promotion at Cornell University.
- 2018 Assistant Professor Hui Cai's tenure and promotion at University of Kansas.
- 2017 Associate Professor Anjali Joseph's tenure and promotion at Clemson University.
- 2014 Associate Professor Seunghae Lee's tenure at Oregon State University.



## INTERNATIONAL COLLABORATIONS

- 2021 – Bern University of Applied Sciences, Switzerland, established collaborations.
- 2019 - Politecnico di Milano, Milan, Italy, established collaborations.
- 2019 - University of Pecs, Pecs, Hungary, extended collaborations.
- 2017- KIIT University, School of Architecture and Planning, Bhubaneswar, Odisha, India, established collaborations.
- 2016- GD Goenka University, School of Architecture and Planning, Gurgaon, NCR, India, Established collaborations.

## INTERNATIONAL REVIEWER

- 2021 Doctoral Dissertation, Andrea Brambilla, Politecnico di Milano, Milan, Italy.

## OTHER EXTERNAL ACTIVITIES

- 2019 - Organized Design & Health North America Chapter round tables in collaboration with and at the following locations:
  - Delos Insights, Washington DC; August 19, 2019; “Can Managing Acoustic Stimuli in the Workplace Help Reduce Burnout?”
  - Cornell University, College of Human Ecology; April 26, 2019; “Nature, Health and Wellbeing.”
  - Leo A Daly, Dallas; March 8, 2019; “Not your traditional medical school: trends in health education and the interaction with operational processes and the physical environment.”
- 2018 - Organized Design & Health North America Chapter round tables in collaboration with and at the following locations:
  - Perkins+Will, Dallas; October 12, 2018; “The Blue Zones Project Fort Worth.”

## PEER REVIEW ACTIVITIES

- Swiss National Science Foundation; scientific review of project number 100016M\_219788 (July-August 2023)
- University of Michigan Precision Health; research proposal peer review (Aug-Sept 2021)
- Editor, Special Issue, "Rethinking the Power of Architectures for Pandemics That Promote Healing: A New Design, Learning and Management Approach". International Journal of Environmental Research and Public Health.
- Design and Health World Congress, Ghent, Belgium, Peer Review (2021)
- National Science Foundation (national)
- As Member, Editorial Advisory Board, Health Environments Research and Design Journal (2010- (international)
- As Member, Editorial Review Board, Health Environments Research and Design Journal (2007-2010) (international)
- As Member, Editorial Board, The Open Construction and Building Technology Journal (2008-2016) (international)

As Member, Research Committee, College of Human Sciences, Texas Tech University (2011-)  
As Member, Research Coalition, Center for Health Design (national)  
Health Environments Research & Design Journal (international journal)  
Intelligent Building International (international journal)  
Building & Environment (international journal)  
Architectural Science Review (international journal)  
Environment & Behavior (international journal)  
Journal of Environmental Psychology (international journal)  
Facilities (international journal)  
Early Childhood Services (national journal)  
EDRA, 2013, Providence, RI (a peer reviewed international conference)  
EDRA, 2012, Seattle, WA (a peer reviewed international conference)  
EDRA, 2008, Veracruz, Mexico (a peer reviewed international conference)  
EDRA, 2007, Sacramento, CA (a peer reviewed international conference)  
National convention of the Association of Collegiate Schools of Architecture, 2008, Houston (a peer reviewed national conference)  
National convention of the Association of Collegiate Schools of Architecture, 2004, Miami  
Buildings Integration Solutions, 2003, Austin (organized by the Architectural Engineering Institute of the American Society of Civil Engineers) (a peer reviewed national conference)

#### EDITORIAL BOARDS

2007- continuing: Editorial Board, Health Environments Research and Design Journal  
2008- 2016: Editorial Board, The Open Construction and Building Technology Journal

#### PROFESSIONAL DEVELOPMENT

2003 Completed *Serviceability Tools & Methods (ST&M)* courses administered by the **International Center for Facilities**, Canada.  
2003 Completed executive course on *The New American Courthouse*, in the Graduate School of Design, Office of Executive Education, **Harvard University**.  
2001 Participated in forum on *Building Performance Assessments: Current and Evolving Practices for Post Occupancy Evaluation Programs*. Organized by the **National Academy of Sciences**, Washington, D.C., sponsored by The Federal Facilities Council.  
1997 Five-day winter school on *Institutional Planning and Management*, organized by the **Indian Society for Technical Education**, India.  
1996 Three-day program on *Total Quality Management in Technical Education*, organized by the **Indian Society for Technical Education**, and sponsored by the Canada India Institutional Co-operative Project, India.  
1995 Eleven-day program on *Performance Appraisal & Development System in Technical Institutions*, sponsored by the **Indian Society for Technical Education**, India.