NEWTON D'SOUZA, Ph.D.

Director of Doctoral Programs and Associate Professor,
College of Design,
North Carolina State University, Raleigh.

EDUCATION

PhD, Architecture, 2006, School of Architecture and Urban Planning, University of Wisconsin- Milwaukee.

M. A (Architecture by Research), 2001, School of Design and Environment, Centre for Advanced Studies in Architecture, National University of Singapore.

B. Arch, 1993, Architecture Department, University Visvesvaraya College of Engineering, Bangalore University, India.

EMPLOYMENT

Director of Doctoral Programs & Associate Professor, College of Design, North Carolina State University, Raleigh 2024 onwards.

Chair & Associate Professor, Department of Interior Architecture, School of Architecture, College of Communication, Architecture + the Arts, Florida International University, Miami, 2018-2024.

Associate Professor with Tenure, Department of Interior Architecture, School of Architecture, College of Communication and the Arts, Florida International University, Miami, 2016-2018.

Associate Professor with Tenure (2013-2016), Director of Graduate Studies (2014-2016) Department of Architectural Studies, College of Human Environment Sciences, University of Missouri, Columbia.

Assistant Professor, Department of Architectural Studies, College of Human Environment Sciences, University of Missouri, Columbia, 2007-2013.

Instructor and Teaching Assistant, School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, 2002- 2006.

Teaching and Research Assistant, School of Design and Environment, National University of Singapore, Singapore, 2000.

Chief Architect, M/S R.L. D'souza Consulting Engineers, Mangalore, India, 1996- 97.

Assistant Architect, M/S Neville D'souza Architects, Mangalore, India, 1996.

Interior Designer, M/s Retail Designing and Merchandizing Pvt. Ltd., Bangalore, India, 1995.

Assistant Architect, M/s Zachariah Consultants, Bangalore, India, 1993-94.

Architectural Intern, M/s Christopher Noronha Architects, Mangalore, India, 1991-92.

AWARDS

Awards Received

The Ernest L. Boyer International Award for Excellence in Teaching, Learning, and Technology, 25th International Conference on College Teaching and Learning, Jacksonville, Florida, 2014.

2014 Awards for Innovative Excellence in Teaching, Learning, and Technology, 25th International Conference on College Teaching and Learning, Jacksonville, Florida, 2014.

Excellence in Teaching with Technology Award, Graduate & Professional Teaching category, Educational Technologies (ET@MO), University of Missouri, Columbia, 2013.

Distinguished Teacher Award, College of Human Environment Sciences, University of Missouri, Columbia, 2011.

Chancellors Graduate Student Award, University of Wisconsin-Milwaukee, 2005.

Graduate Student Research Travel Award, University of Wisconsin-Milwaukee, 2005.

Best Research Paper Award, School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, 2002.

Awards Nominated

The William T. Kemper Fellowship for Teaching Excellence Nominee, University of Missouri, Columbia, 2016.

MU International Engagement Award Nominee, University of Missouri, Council of International Initiatives for advancing MU's global understanding and reputation, University of Missouri, Columbia, 2013.

Gold Chalk, Graduate Professional Council, University of Missouri, Columbia, 2011.

Journal of Design Studies Best Paper Award (2011, Finalist), Elsevier.

International Award for Excellence in the Design Field (2008 Finalist), University Press, Australia, 2008.

Carter Manny Dissertation Award Nominee, School of Architecture and Urban Planning, University of Wisconsin-Milwaukee, 2005.

LEADERSHIP

Director of Doctoral Program, College of Design, North Carolina State University, Raleigh 2024 onwards.

Chair, Department of Interior Architecture, School of Architecture, Florida International University, Miami, 2018-2024.

Director, Collaboratory for Design, Environment and Cognition (CoDEC), Department of Interior Architecture, School of Architecture, Florida International University, Miami, 2023-2024.

Director of Graduate Studies, Department of Architectural Studies, College of Human Environment Sciences, University of Missouri, 2014-2016.

Organizing Chair, Healthcare Design Colloquium: Digital Futures, Florida International University, Nov 3rd, 2017.

Chair, Graduate faculty Senate Awards sub-committee, Graduate Faculty Senate, University of Missouri, Columbia, 2015 onwards.

Chair, Graduate faculty Senate Functions sub-committee, Graduate Faculty Senate, University of Missouri, Columbia, 2014-15.

Organizing Chair, Mizzou International Symposium on Creativity and New Media, University of Missouri, April 19-21, 2013. Coordinated a panel of world-renowned scholars on creativity and design thinking, including Mihaly Czikzentmihalyi, Mary Lou Maher, Barbara Tversky, Peter Lloyd and Gabriella Goldschmidt.

Charette Leader, 2013, Design of a Campus Success center at Mizzou for Vice Provost for Undergraduate education. Team members: Bimal Balakrishnan, Asha Kutty, Arthur Mehrhoff.

Organizing Chair, Hallmark-Mizzou Creativity Workshop: Facilitating and Documenting the Effect of New Media on the Creative Process. Conducted an interdisciplinary creative process in liaison with Hallmark Inc. world headquarters at Kansas City and an interdisciplinary group of students from University of Missouri, Summer 2012.

Chair, Creative Convergence Network, interdisciplinary faculty group exploring the impact of New Media on creative Disciplines, University of Missouri, Columbia.

Moderating Chair, Leaders Debate, Cruise Ship Interiors Expo, June 19-20, 2019, Miami, USA.

INVITED ENGAGEMENTS

Jury member, Great Places Awards (Place Research), Environment Design Research Association (EDRA 54), Mexico City, Mexico, 2023.

Presenter, Venice Biennale: Exhibition of book "Multi-skilled Designer" in "Time, Space, Existence, 2023" as organized and hosted by the European Cultural Centre in Venice, Italy (unable to attend).

Presenter, Lucid Dreaming (Yoga Nidhra) for Creative Design Thinking World Happiness Fest, BBC Campus - Wolfe Center, Miami, March 23-25th, 2023.

Presenter, D'souza, N., Kutty, A. and Torrado, T. (2022). Investigating Art + Design Incubators as Places of Co-creation. Gather 2022, The National Conference by ASID, Interior Design Educators Council, September 21-24, Miami.

Speaker, "How Human Should Technology Be?' A Critical Review of Digital Technology in Design, "Oklahoma State University Mixed Reality Lab's "Designathon 2021."

Speaker, "Digital Animals in the Designer's Farm: Building Technological ecosystems for Design Research, Thinking and Education," AIA Christopher Kelley Leadership Development Program, Miami, 2019.

External Reviewer, The School of Art and Design at Georgia State University, Academic Program Review (APR), 2019.

External Examiner, Ph.D. Thesis, Stellenbosch University, South Africa, 2018.

Speaker, "Technology and Neuroscience and its implications to Interior Design Education/Research," Council for Interior Design Forecasting Summit, Washington DC, April 8, 2018.

Panel member, "The Future of Practice: Research Collaborations between Academia and Practice," AIA Christopher Kelley Leadership Development Program, Miami, 2018.

Moderator, "Concept Mapping," Faculty Research Retreat, College of Communication, Architecture and the Arts, Florida International University, March, 2017.

Plenary Speaker Panel, "Reflections on Teaching and Learning with Mizzou Boyer Winners" Celebration of Teaching and Learning, University of Missouri, June 2016.

Keynote Speaker, "Decode-Encode-Design," University Visvesarya Architects Alumni General Body Meeting, Bangalore, India, August, 2015.

Plenary speaker, "In Search of the 21st Century Campus: Positing the Relationship between Informal Learning Environments and 21st Century Learning Skills," Celebration of Teaching and Learning, University of Missouri, with Asha Kutty and Arthur Mehrhoff, University of Missouri, 2015.

Moderator, "Conceptualizing Creativity in Design Thinking," Honors College for the Non-Arts Major, University of Missouri, 2015.

Speaker, "Environment Behavior Issues in the Age of New Media and its impact on Design," Cornell University, College of Human Ecology, March 2014.

Lead panelist, "Hallmark-Mizzou Creativity Workshop: Facilitating and Documenting the Effect of New Media on the Creative Process," University of Missouri, November 2013.

RESEARCH

Book Publications

D'souza, N. (December 2019). *The Multi-Skilled Designer: Cognitive Foundation for Inclusive Architectural Thinking*. Research in Architecture Series, Routledge. Hardcover. ISBN 9781138121133.

Book Chapters

D'souza, N., Dastmalchi, M.R. (2025). Architectural Creativity Stranded at Mid Journey? Evaluating Creative Potential of Prompts and Images in Generative AI. In: Gero, J.S. (eds) Design Computing and Cognition'24. DCC 2024. (pp.224-240). Springer, Cham.

D'souza, N., & Chandrasekera, T. (2023). What Design is Not. In G. Goldschmidt & E. Tarazi (Eds.), *Expanding the Frontiers of Design: Critical Perspectives* (1st ed.). Routledge.

Kutty, A. & D'souza, N. (forthcoming, 2024). Culture, Race and Marginalization: The Case of African American Store Front Churches in Central City Milwaukee. In D. Silva, K., and Fernando, N. A. (Eds), *Theorizing Built Form and Culture: The Legacy of Amos Rapoport*, Routledge.

D'souza, N., & Dastmalchi, M. (2017). "Comfy" Cars for the "Awesomely Humble": Exploring Slangs and Jargons in a Cross-Cultural Design Process. In L. J. Ball, B. O. Christensen, & K. Halskov (Eds.), *Analyzing Design Thinking: Studies of Cross-Cultural Co-Creation*. Taylor and Francis.

D'souza, N. (2015). Places in the Virtual-Physical Continuum: The Impact of Virtual Behavior on Place Attributes of Online Coffee Shops. In J. Thompson & N. Blossom (Eds.), *The Handbook of Interior Design, Section II: Perspectives on the Practice of Interior Design* (pp. 366-381). Wiley Blackwell.

D'souza, N. (2004). Is Universal Design a Critical Theory? In S. Keates, J. Clarkson, P. Langdon, & P. Robinson (Eds.), *Designing a more Inclusive World* (Chapter 1, pp. 3-10). Springer-Verlog.

Editor of Special Issues Journal

D'Souza, N., & Nanda, U. (2023). Exploring the Future of Interior Design in a Virtual-Physical Continuum. Guest Eds. *Journal of Interior Design Technology Special Issue, 48*(1).

D'Souza, N. (Ed.). (September 2016). Investigating Design Thinking of a Complex Multidisciplinary Design Team in a New Media Context: Introduction. Guest Editor, Special Section in *Journal of Design Studies, Elsevier*, *46*, 1-5.

Refereed Journal Articles

D'Souza, N., & Nanda, U. (2023). Introduction: Exploring the Future of Interior Design in a Virtual Physical Continuum. Special Issues on Technology. *Journal of Interior Design, 48*(1), 3–5.

D'souza, N., Kutty, A., and Torrado, T. (2023). Spaces that Foster and Support Creativity and Collaboration in Art + Design Incubators. *The International Journal of Design in Society* 17 (2): 43-69. doi:10.18848/2325-1328/CGP/v17i02/43-69.

Vieira, E. R., Civitella, F., Carreno, J., Miburge G., Amorim, C., D'Souza, N., Ozer, E., Ortega, F., Estrázulas, J. (2020). Using Augmented Reality with Older Adults in the Community to Select Design Features for an Age-Friendly Park: A Pilot Study. *Journal of Aging Research, 2020*, Article ID 8341034. https://doi.org/10.1155/2020/8341034

D'Souza, N., & Dastmalchi, M. (2016). Creativity on the Move: Exploring small-c(p) and big-C(p) Creativity in a Multidisciplinary Design Team in Investigating Design Thinking of a Complex Multidisciplinary Design Team in a New Media Context. Special Issues in *Journal of Design Studies, Elsevier*, *46*, 637.

Chandrasekhara, T., Yoon, S.-Y., & D'Souza, N. (2015). Virtual Environments with Soundscapes: A Study on Immersion and Effects of Spatial Abilities. *Environment and Planning B: Planning and Design*, *42*, 1003-1019.

Chandrasekhara, T., Ng Voc, & D'Souza, N. (2012). The Effect of Subliminal Suggestions on Sudden Moments of Inspiration (SMI) in the Design Process. *Journal of Design Studies, Elsevier*, *34*(2), 193–215.

D'Souza, N. (2012). The Metaphor of an Ensemble: Architectural Design and Skill Convergence. *Journal of Design Research, Inderscience*, *10*(3), 206-222.

D'Souza, N., Yoon, S.-Y., & Islam, Z. (2011). Understanding Design Skills of the Net Generation of Designers: An Exploration through the VR-KIDS Project. *Journal of Design Studies, Volume 32, Issue 2, Elsevier*, 180-209. [Finalist for Design Studies Award by the editorial review board, 2011]

D'Souza, N. (2009). Revisiting a Vitruvian Preface: The Value of Multiple Skills in Contemporary Architectural Pedagogy. *Architectural Research Quarterly, Cambridge University Press*, *13*, 173-181.

D'Souza, N. (2008). Design Patterns and Knowledge Dissemination in Environmental Design Research: A Cross-Disciplinary Model. *Design Principles and Practices: An International Journal, Vol 2, No1*, 75-86. [Finalist for International Award for Excellence in the Design Field, 2008]

D'Souza, N. (2007). Design Intelligences: A Case for Multiple Intelligence in Architectural Design. *International Journal of Architectural Research, Vol 1, No 2, Archnet-IJAR*, July 2007, MIT Press, 15-34.

D'Souza, N. (2003). Signs that don't Mine: Re-examining the Late Architecture of Charles Correa. *Architecture + Design, Journal of Indian Architecture*, November, 2003, 90-96

Opinion Editorials

D'souza, N. (2021). Leading with a Designer's Gaze, Interior Design Educators Council, Exchange Newsletter

D'souza, N. (2020). Are the Doors Closing on Open Offices? Archinect, September 2020.

D'souza, N. (2020). Designing for a Dignified End: Compassionate Spaces for Dying Alone in the Age of Social Distancing.

D'souza, N. (2020). 8 Essential Skills for 21st Century Designers, Archdaily, July 28, 2020

D'souza, N. (2020). Time, Space, and Adaptive Reuse in the Age of Social Distancing, Archinect, May 20, 2020

D'souza, N. (2020). How will Home Designs Change in the Era of Social Distancing, Archinect, April 22, 2020

Refereed Papers in Conference Proceedings

D'souza, N., & Dastmalchi, M. (2024). Architectural Creativity Stranded at Mid Journey? Evaluating Creative Potential of Prompts and Images in Generative AI. *Design Computing and Cognition* DCC'24. J.S. Gero (ed). Springer Nature.

D'souza, N., & Chandrasekera, T. (2021). What Design is Not. *Design Thinking Research Symposium, 13*, Haifa, Israel.

D'souza, N., Balakrishnan, B., Hopfenblatt, J., Dastmalchi, M., & Kress, M. (2018). iSTUDIO: An Interactive Form-making Environment for Architectural Pedagogy. In *Proceedings of Design Communication Association Conference, Virtual+Actual: Process and Product of Design*, Cornell University, Ithaca, New York.

Zhang, L., Pradhananga, N., & D'souza, N. (2018). Capturing Human Sensation Using Physiological Sensing Devices to Support Human-Centered Indoor Environment Design. In *Construction Research Congress, 2018, Building Community Partnerships*, New Orleans, Louisiana, April 2018.

D'souza, N., & Dastmalchi, M. (2016). Analyzing Cross-Cultural Design Jargons. *11th Design Thinking Research Symposium*, Copenhagen Business School, Denmark, Nov 2016.

D'souza, N., & Chandrasekhara, K. (2014). The Role of Design Skills in Design Review Conversations. *10th Design Thinking Research Symposium*, Purdue University, Indiana, Oct 2014.

Chandrasekera, T., D'Souza, N., & Yoon, S.-Y. (2013). Soundscapes in Immersive Virtual Environments. *The International Symposium on Affective Engineering*, Kitakyushu, Japan, pp. 339-348.

D'souza, N., Balakrishnan, B., & Dicker, J. (2012). Transparency: Literal, Phenomenal, Digital. In *Proceedings of the 100th Annual Meeting of Association of Collegiate Schools of Architecture*, Boston, pp. 708-716.

D'souza, N. (2010). The Metaphor of an Ensemble: Creativity as a Process of Skill Integration in Design. In *Proceedings of the first International Conference on Design Creativity*, Kobe University, Japan, pp. 281-288.

Yoon, S.-Y., & D'Souza, N. (2009). Different Visual Cognitive Styles, Different Problem-Solving Styles? *International Association of Societies for Design Research, IASDR*, Seoul, Korea, pp. 2341-2351.

D'souza, N. (2007). Describing Differences between Manual and Digital Modeling: A Holographic Approach to Architectural Design. In *Proceedings of the Design Communication Association, DCA 2007*, pp. 325-338.

D'souza, N. (2005). The Analysis of Wholes and Parts in a Row House Design Project. In *Design Methods: Theories and Practice*, Vol 39, No 2, Grant, D. (Ed), Design Methods Institute, San Louis Obispo, CA, pp. 3753-3759.

D'souza, N. (2005). Architect as a Yogi: Meditative Practices and Architectural Imagery. *Architecture + Design, Journal of Indian Architecture*, April, 2005, pp. 23-27.

D'souza, N. (2005). Architectural Intelligences. In *Proceedings of the International Workshop on Understanding Designers*, 17-18 October 2005, University of Provence, Aix-en-Provence, France, pp. 425-433.

D'souza, N., & Talbott, K. (2003). The (Non) Relationship between Efficiency and Choice of Computer Design Modeling: An Automated Protocol Analysis. In *Digital Design. Proceedings of 22nd International European Academy of Computer Aided Architecture Design (eCAADe)*, Austria, pp. 567-574.

D'souza, N. (2003). Intertextuality or Indeterminacy? Re-examining Meanings in Contemporary Indian Architecture. In *People Shaping Places Shaping People, Proceedings of Environment Design Research Association, EDRA34*, Minneapolis, Minnesota, pp. 62-67.

D'souza N. (2002). Sign and Design: Modernity in India Reexamined. In *Towards Modern Asian Architecture*, Li Shiqiao and Li XiaoDong (Eds.). Proceedings of the mAAN 2nd International Conference Towards Modern Asian Architecture, National University of Singapore, Singapore.

D'souza, N. (2001). A New Agenda for Asian Design Studios: Striking a balance between Context-specific and Universal Issues. In *Proceedings of the 1st ACAE conference on Architectural Education for the Asian Century*, National University of Singapore, pp. 51-55.

Peer-Reviewed Conference Presentations, Symposia, Panels, Posters, and Abstracts:

D'souza, N., Moshaver, S., Mousavi, A., Balakrishnan, B. (2024). Capturing the "Wow" Experience in the Built Form: An Exploratory Study, *Environment Design Research Association,* Oregon, 2024

D'souza, N. (panel lead). Chandrasekera, T., Mejia-Puig, L., & Moshaver, S. (2024). VR-XR labs in Interior Design Programs. Defining their Core Mission, *Interior Design Educators Council*, March 24, 2024, NY.

D'souza, N., Kutty, A., & Torrado, T. (2023). Investigating Art + Design Incubators as Places of Co-creation. *Interior Design Educators Council*, March 8-11, Vancouver.

D'souza, N., Haq, S. (2022). Topic Chairs, Plenary IV: Public Health, Resilient City: Physical, Social, and Economic Perspectives, *ARCC-EAAE 2022 International Conference*, March 2-5, Miami, FL.

D'souza, N., Rovira, R. (2022). The Design Artifact as a mediator of Race Conversations: Case Study of an Interdisciplinary Design Studio, *EDRA 53*, Greenville, SC.

Catherine A., Williams, A., Kress, M., Vieira, E.R., D'Souza, N., Rishe, N.D., Medina, J., & Ortega, F. R., (2020). City Planning with Augmented Reality. *CoRR abs/2001.06578*.

D'souza, N. (2020). The Multi-Skilled Designer: A Cognitive Foundation for Inclusive Design Thinking, *2020 Annual Conference of Interior Design Education Council*, March 4-7, 2020, Tulsa, Oklahoma.

Estrázulas, J., Carreno, J., Civitella, F., D'Souza, N., Ozer, E., Ortega, F., Vieira, E. (2019). Does Wearing Augmented and Virtual Reality Goggles Affect the Balance of Older Adults? *XXVII Congress of the International Society of Biomechanics (ISB2019), 43rd Annual Meeting of the American Society of Biomechanics (ASB2019)*.

D'souza, N., Vieira, E., Ozer, E., Ortega, F. (2019). An Underline for the Underserved: A Pilot Study to Explore Simulation Research for Sustainable Aging around Miami's Metrorail, *Environment Design Research Association, 50*, Brooklyn, New York.

Kutty, A., & D'souza, N. (2019). New Learning in the Old Campus: How Should University Spaces Address 21St Century Skills? *Environment Design Research Association, 50*, Brooklyn, New York.

Ortega, F., Raikwar, A., D'Souza, N., Rogers, C., Kress, M., Williams, A., & Rishe, N. (2019). CubeVR: Digital Affordances for Architecture Undergraduate Education using Virtual Reality, *2019 IEEE VR Fourth Workshop on K-12+ Embodied Learning through Virtual & Augmented Reality (KELVAR)*.

Dastmalchi, M., & D'souza, N. (2017). Design as a Creative Discourse: Investigating ways of 'what,' 'how' and 'who' ' of creative interactions in a multidisciplinary design team. *Eight International Conference on Design Computing and Cognition (DCC'18)*, Bringing artificial intelligence, cognitive science and computational theories to design research, 2–4 July 2018, Italy (Accepted for poster presentation).

D'souza, N. (symposium leader), Kutty, A., Dobkins, K., Nanda, U., & Balakrishnan, B. (2015). Use of Neuroscience Concepts and Measurements in Environment Behavior Research: Challenges and Opportunities, *Environment Design Research Association 46*, Los Angeles.

Online-Onsite Hybrid Synchronous Seminar: A Sense of Place, A Sense of Community (2014), Conference Presentation, *25th International Conference on College Teaching and Learning*, Florida.

Thai, T., & D'souza, N. (2014). Ecology of Rainscapes: Exploring Formal Aesthetics of Rain-Architecture in a Buddhist Library Design, Poster and Abstract, *Environment Design Research Association 45*, New Orleans.

D'souza, N., & Balakrishnan, B. (2014). Mizzou International Symposium on Creativity and New Media: Studying Media Affordances and Design Creativity, Conference Presentation, *Sixth International Conference on Design Computing and Cognition (DCC'14)*: Bringing artificial intelligence, cognitive science and computational theories to design research, University College London, London, UK.

Chandrasekera, T., Yoon, S., & D'souza, N. (2013). The Effect of Virtual Reality and Augmented Reality in the Design Process. Conference Presentation, *Design Communication Conference 14*, Atlanta, Georgia 2014.

Alawadhi, A., D'souza, N., & Yoon, S. (2012). Examining the Impact of Design Elements in a Retail Store on Customers' Perception of Crowding: An Empirical Study with a High Fidelity Virtual, Conference Presentation, *DCA 2012 Conference*, Oklahoma State University.

Chandrasekera, T., Ngoc Vo, & D'souza, N. (2012). Game Changers: Sudden Moments of Inspiration (SMI) in the Design Process, Conference Presentation, *Environment Design Research Association 43*, Seattle.

Anthony, L., & D'souza, N. (2012). Community Placemaking: Using Participatory Methods to Inform Design Strategies, Conference Presentation, *Environment Design Research Association 43*, Seattle.

Moore, N., & D'souza, N. (2012). Understanding Personal Learning Environments of Students in a Wireless Coffee Shops, Poster Presentation, *Environment Design Research Association 43*, Seattle.

Chandrasekera, T., Yoon, S., & D'souza, N. (2012). Immersive Engines: Immersion in 3D Gaming Platforms through Soundscapes, Poster Presentation, *Environment Design Research Association 43*, Seattle.

D'souza, N. (symposium leader), Balakrishnan, B., Yoon, S., Chandrasekhara, T., & Lin, Y,-F. (2011). Virtual Environments: Virtual Behaviors, Conference Presentation, *Environment Design Research Association 42*, Chicago.

D'souza, N.(symposium leader), Balakrishnan, B., Yoon, S., & Oprean, D. (2010). The Environment Behavior Paradox in Virtual Environments, Conference Presentation, *Environment Design Research Association 41*, Washington DC.

D'souza, N. (2009). Assessing Multiple Intelligences in Architectural Design: The ADIAS. Important Theory and Practice in Multiple Intelligences, Panel Presentation, *American Educators Research Association*.

D'souza, N. (2009). Are Blended Environments Challenging the Classical Attributes of Environment and Behavior? Conference Presentation, *Environment Design Research Association 40*, Kansas City.

Yoon, S., D'souza, N., & Cho, J. (2009). Using Virtual Reality to Understand Differences in Cognitive Styles among Architecture and Interior Design students, Conference Presentation, *Design Communication Association*, Atlanta, Georgia.

White Papers and Research Reports

Towards a 21st Century Campus: Design Guidelines for Informal Learning Spaces at Mizzou, with Asha Kutty and Arthur Mehrhoff, University of Missouri, Columbia submitted to the Vice-provost of Undergraduate studies, 2015

Revisioning Student Success Center at Mizzou, with Asha Kutty, Bimal Balakrishnan and Arthur Mehrhoff, University of Missouri, Columbia submitted to the Viceprovost of Undergraduate studies, 2015

Milwaukee Idea Home Design Process Documentation, Milwaukee, 2006, Funded by the Community Design Solutions, School of Architecture and Urban Planning, UWM

The Focus on Energy Program, Milwaukee, 2005, White paper proposals for Mayors Green Building Team, Milwaukee, State of Wisconsin treasury funded project, PI: James Wasley

GRANTS RECEIVED

Co-PI, American Society of Interior Designers Foundation, $29,000, Enhancing Acoustic Comfort in Dormitories for students with Developmental Disabilities: Spatial and Construction Guidelines, PI, Sam Moshaver, Florida International University, Collaborators, FIU Embrace, HKS Inc. Miami

PI, FIU Technology Fee grant, 2022, $188,000, Collaboratory for Design, Environment and Cognition (CoDEC): Building a student learning center that uses a new generation of sensor and tracking technology, display systems and data infrastructure incorporating VR/AR computer simulations and physical mock-ups. Co-PI SS Iyer, Florida International University.

PI, American Society of Interior Designers Foundation, 2020, $10,000, Investigating Art + Design Incubators as Places of Co-creation. Co-PI, Asha Kutty, University of North Carolina, Greensboro. Collaborators, Steelcase Inc. and Ratcliffe Incubator, FIU

Co-PI, Miami-Dade Age-Friendly Initiative Mini-Grants, 2018, $2,380, Evaluating Environmental and Landscape features for Miami's Metrorail, PI Edgar Vieira.

PI, College of Communication, Architecture and the Arts Interdisciplinary Seed Grant Competition, 2016, $5,000, An Underline for the Underserved: Exploring Simulation Research for Sustainable Aging in Place around Miami's Metrorail, Jan 2017, Florida International University. Co-PI Ebru Ozer, Landscape Architecture, Edgar Vieira, Physical Therapy, Iveris Martinez, School of Medicine

Co-PI, Office of Research and Economic Development, Florida International

University, Integrating Multidimensional Human Factors and Indoor Environment Evaluation for Supporting Human-Centered Decision Making in Indoor Environment Design, Pilot Program to Promote Cross-College Collaboration, $2,000, 2016-2017, PI: Lu Zhang, School of Construction

PI, MU Faculty Development Leave and Project Award, $11,000, Documentation of Design works, Enhancing Industry Contacts, and Learning Unique Cultural Ethos of Reputed Design Schools, Summer 2017, Aug 2016, University of Missouri

PI, MU Research Council, $10,000, The Multi-Skilled Designer: A Cognitive Explanation for Diversity in Architectural Thinking, Research Monograph for Book Publication at Taylor and Francis. Aug 2016, University of Missouri

PI, MU Information Technology Committee Interdisciplinary Innovation Fund, $33,660, iSTUDIO: An Interactive Form-making Environment for Art and Architectural Teaching, Oct 2013. Co-PI's: Asha Kutty, Architectural Studies; Matt Ballou, Fine Arts; Bimal Balakrishnan, Architectural Studies

Co-I, Seeding Interdisciplinary Research Collaboration (SIRC), $1,500. 2014, Interdisciplinary Post-occupancy Evaluation of a Reggio Emilia-inspired preschool in Kansas City, Co-I's Ruth Tofle, Architectural Studies, Elke Alkenberger, Architectural Studies, Michelle Mathews, Child Development Laboratory

Co-PI, MU Office of Vice-Provost for Undergraduate Studies, $12,000, October 2013 to June 2014. In Search of the 21st Century Campus: Positing the Relationship between Informal Learning Environments and 21st Century Learning Skills. Co-PI's: Asha Kutty, Architectural Studies and Arthur Mehrhoff, Art and Archeology

PI, Agricultural Experiment Station, $7,451.39 per year, Sept 2013-2016. Conceptualizing Healing Gardens for Baptist Nursing Home at Ashland, MO, United States Department of Agriculture.

PI, Mizzou Advantage, University of Missouri Strategic Initiative, Office of the Provost, $24,867.00, Jan 2013 to December 2013, Creative Convergence Network –Phase 2 (CCN2): Impact of New Media on Interdisciplinary Creativity in Digitally-mediated Remote Collaborative Environments.

Co-PI, University of Missouri, e-learning initiative, $ 153,000, Feb 2013, New Online Masters Concentration in Design Research. Team members: Ruth Tofle and Bimal Balakrishnan (Department of Architectural Studies, MU).

PI, Augmented Reality Technology for Architectural Education $1,000, MU Teaching with Technology Innovation Fund, 3013-2014, Co-PI Tilanka Chandrasekhara

PI, Mizzou Advantage, University of Missouri Strategic Initiative, Office of the Provost, $28,187.00, Aug 2011 to December 2012, Creative Convergence Network (CCN): International Symposium on Assessment and Facilitation of Creativity in New Media. Interdisciplinary Co-I Team: So-Yeon Yoon (Architecture), Bimal Balakrishnan (Architecture), Sanda Erdelez (Information Science and Learning Technology), Roger Cook (Film Studies), Suzanne Burgoyne (Theatre), Kathleen Unrath (Art education), Matt Kritis (Textile and Apparel), Ken Sheldon (Psychology), Jeffrey Uhlmann (Computer Science), Julie Chatman (Graphic Design), Arthur Mehrhoff (Art and Archeology)

Co-PI, MU Research Council, $3,724, Aug 2012 to August 2013, Effects of Visual Cognitive Styles on Spatial Design Problem Solving: A Cross- Cultural Study of Korean and American Students Majoring in Architecture and Interior Design, MU Research Council, PI: So-Yeon Yoon

PI, Research Board, University of Missouri System, $21,366.00, March 2011 to March 2012, Evaluating Creativity among Design Students Using a VRLE. Co-PI's: So-Yeon Yoon, Bimal Balakrishnan

Co-I, MU Interdisciplinary Innovations Fund, $31,315.00, March 2012 - August 2013, Reality Capture and Simulation for Design Evaluation, PI: Bimal Balakrishnan

Co-I, MU Interdisciplinary Innovations Fund, $22,500, March 2012 - August 2013, Leading the Future of the Retail Industry through Creating Digital/Virtual Student Project Showcases, Co-PD's Jana Hawley, Myunghee Sohn and Jung Ha-Brookshire

Collaborator, Mizzou Advantage, University of Missouri Strategic Initiative, Provost Office, $20,000.00, Aug 2011 to December 2012, New Media, New Technologies, and the Future of the Arts. PI: Robert Shay

PI, Margaret W. Mangel Faculty Research Catalyst Fund, Human Environment Sciences, University of Missouri, Columbia, $2,500.00, August 2010 to August 2011, Enhancing Creativity through a VRLE, Co-PI's: So-Yeon Yoon, Bimal Balakrishnan

Co-I, MU Interdisciplinary Innovations Fund, $31,315.00, March 2009 - August 2010, Collaborative Design and Education (CoDE) Environment at the Immersive Visualization Lab (iLab), PI: Bimal Balakrishnan

Co-I, MU Interdisciplinary Innovations Fund, $24,755.00, March 2009 - August 2010, Immersive Visualization Lab (iLab), PI: Bimal Balakrishnan

Co-I, Margaret W. Mangel Faculty Research Catalyst Fund, $2,850.00, March 2009 - August 2010. Examining the Relationship between Design Intelligence and

3D Visualization Strategies for Architectural Design, PI: Bimal Balakrishnan

Co-I, Faculty Development Project Award, $3,100.00, February 2009 - August 2010, Hybrid Design Studios in Architectural Studies: Combining Online Virtual and Physical Environment Instruction, PI: So-Yeon Yoon

Co-I, Margaret W. Mangel Faculty Research Catalyst Fund, $2,621.00, February 2009 – August 2010, Understanding the Effect of Color Environments: Physiological and Self-Report Measures, PI: So-Yeon Yoon

Co-PI, ET@MO Academic Transformation Fund for the project, Educational Technology at Missouri, $5,200.00, August 2008 - August 2009, Virtual Gallery for Architectural Studies' Student Projects, Co-PI: So-Yeon Yoon

Collaborator, MU Interdisciplinary Innovations Fund 2008-2009, University of Missouri, $25,000.00, August 2008 - August 2009, Production of the movie "Venzaga Azteca," PI; Roger Cook and Jeffery Uhlmann

PI, Margaret W. Mangel Faculty Research Catalyst Fund, Human Environment Sciences, $2,650.00, August 2007 - December 2008, VR-Kids: Virtual Reality for Kids interested in Design Studies.

Undergraduate Research Grants

Faculty Advisor, AIA AAH STERIS Student Design Charrette for Healthcare Design, $6,000, Orlando Florida, 2017

Faculty Mentor, Project for Undergraduate Research Experience (PURE), $2000, Lucas Wade, Using Mind Mapping tools to explore Emotional Responses to Environmental Features of likely crime Areas at Mizzou Campus, August 2015

Faculty Mentor, Project for Undergraduate Research Experience (PURE), $2000, Casey Osteen, Exploring Sustainable Flood Architecture Prototype Housing for Natural Disaster Victims, Project Type Research for Showcasing Engineering Instrument of Thomas Edison at MU Engineering Lobby, August 2015

Faculty Mentor, Project for Undergraduate Research Experience (PURE), $2000, Michael Ritchie, Exploring Sustainable Flood Architecture Prototype Housing for Natural Disaster Victims, August 2014

Faculty Mentor, Project for Undergraduate Research Experience (PURE), $2,000, Andrea Herries, "Hands on, Minds on: Evaluating Investigative Experiences of Young Children in Outdoor Classrooms, August 2014

Faculty Mentor, Project for Undergraduate Research Experience (PURE), $2,000,

Karen Johnson, Programing by Design; Autistic Spectrum Disorder Classroom Design, Human Environmental Sciences, August 2013

Faculty Mentor, Project for Undergraduate Research Experience (PURE), $2,000, David Eslahi, Enhancing Creativity through Virtual Reality Learning Environments, Human Environmental Sciences, August 2012

Faculty Mentor. Project for Undergraduate Research Experience (PURE), $2,000, Nathan Moore, Understanding Personal Learning Environments of Students in Online Coffee Shops, Human Environmental Sciences, August 2011

Grants (under review, finalist, or unfunded)

PI, NC State Data Science and AI Academy, $50,000, Data-Driven Design for Energy Education: Engaging High School Learners in STEM through Portable ad Interactive Immersive Technologies. Co-PI's Aditi Mallavarapu, Gail Jones, Valeria Torres, Soolyeon Cho and Ashley Davis.

PI, Graham Foundation for the Arts, $25,000, *Diversity is Intelligence: Exploring the Cognitive Gaze of sixteen Contemporary Architects.*

Co-PI, American Society of Interior Designers Foundation, $20,000, *Inspiring African American Students into Interior Design Careers: A Pilot study for a National Pedagogical Model.* PI, Asha Kutty, University of North Carolina, Greensboro. Collaborators, NOMAS, Magic Leap Miami

PI, Florida International University Technology fee proposal, $198,000, *Computer Simulated Interdisciplinary Student Collaboratory (CoSISCo)*, Co- applicant: Sundararaj S Iyengar, FIU. Participating members: Lynne Richard, Edgar Vieira, Nipesh Pradhananga, Erica Musser, Francisco Ortega, FIU

Co-PI, *Computational + Design Thinking: Hi-Tech Focused Interdisciplinary STEM Education*, $500,000, National Science Foundation, Shahin Vassigh, PI.

PI, Florida International University Technology fee proposal, $224,280 (Under review), *The FIU L-Cube: Learning with Living Labs, Co-applicant: Helen Cornely, FIU*. Participating members: Lynne Richard, Edgar Vieira, Nipesh Pradhananga, Erica Musser, Francisco Ortega, FIU.

Co-PI NSF Information and Intelligent Systems (IIS): Core Programs, $500,000, *Integrating Human Comfort with Dynamic System Operation to Support Healthy and Comfortable Indoor Environments*. PI: Lu Zhang, Co-PI, Nipesh Pradhananga, Co-PI Lin Chen-Xiang, Florida International University

PI, Graham Foundation for the Arts, *The Multi-skilled Designer: A Cognitive Foundation for Inclusive Architectural Thinking*, Book Production grant, $ 7,000, Nov 2017.

PI, NSF Cyber Learning for Work in the Human-Technology Frontier, $544,186
EXP: Collaborative Research: *Inspiring STEM Careers Through Embodied Field Visits using a Mobile Tangible Interaction System (MOTIS),* Co-PI's: Shahin Vassigh, FIU; Tilanka Chandrasekera, OSU; Donna Russell, Walden.

PI, Association of Society for Interior Designers-Transform grant (Finalist), *Embodying Wellness: Envisioning Elder-friendly Design Catalysts Using Psychophysiological Measures and Mobile Simulations*, $70,0000, March 15th 2017.

Co-I, Arts Place America Grant, *Development of Lexington Auditorium, and Civic Center*, Missouri, $43,301, Co-I's Asha Kutty, Architectural Studies, Bimal Balakrishnan, Architectural Studies, Lee Anne Woolery University of Missouri Extension.

PI, Academy for Neuroscience and architecture (ANFA), Hay Fund Neuroscience-Architecture Research Program, *The 'Wow' Experience in Architecture, An Exploratory study using Psychophysiological, Neural and Behavioral Measures*, $57,873, 2015, Co-PI's Karen Dobkins, University of San Diego, Upali Nanda, American Art Resources, Bimal Balakrishnan, Architectural Studies

Co-I, MU Information Technology Committee Interdisciplinary Innovation Fund, *'Swift 3D Scanner': Converting a smartphone to a precise and fast handheld 3D scanner*, $24,977, Oct 2014. PI: Hadi Ali Akbarpour; Computer Science, Filiz Bunyak, Computer Science, Kannappan Palaniappan, Computer Science

PI, Graham Foundation for the Arts, *Architecture Design and its Multiple Approaches: Using Design Cognition as a Lens for Design Inclusivity,* Book Proposal, $ 24,450, Sept 2014

TEACHING

Graduate Studio
Graduate Design 4 (Design as a Prosthesis)
Experimental Studio (with Roberto Rovira, LAEUD, FIU)
Master's Thesis Studio (with Katie Rothfield, FIU)
Healthcare Design studio (with Arthur Brito, HKS) Research Methods
Architectural Robotics (with Margie Skubic, Electronics and Computer Science, MU)

Graduate Ph.D. Seminar
Research Paradigms (Ph.D. Core Course with Traci Rider)
Philosophy of Design Research (Ph.D. Core Course)
Environment-Behavior II (Ph. D. Core Course in Environment-Behavior emphasis)
Design Thinking and Creative Process (Design Research Concentration)

Human Factors Research for Design (Design Research Concentration)
Graduate Orientation Seminar (Ph. D. Core Course)
Place Making in Design, Graduate Summer Workshop
Graduate Problems Course: Research Methods and Prospecting the Research
        Readings in Environmental Design (Independent Studies)

Undergraduate Studio
Thesis Studio (Architecture), Thesis Studio (Interior Design), Design Studio IV
        (Interior Design)
Design Studio IV (Architecture + Interior Design), Design Studio III (Architecture +
        Interior Design)
Design Studio II (Architecture+ Interior Design), Design Studio 1 (Architecture +
        Interior Design)

Undergraduate Seminar
Programming for Thesis
Human Factors Programming Problems in Environmental Design

Graduate Advising (Ph.D & Master's Dissertation)

Co-Chair, Master's Committee, Andrea Esparza, Spring 2021, Thesis: Homeless
        Shelter for Women

Co-Chair, Master's Committee, Matheus Silveira, Spring 2019, Thesis: Life: Mobile
        Cancer Care Unit, Rethinking the Community Models of Cancer Care

Chair, PhD Committee (temp), Mohammad Dastmalchi, 2015, Creativity in
        Multidisciplinary Teams

Chair (temp), Ph.D. Committee, Roy Young, 2015, Moments of inspiration and
        Transformative Learning in Iconic House Museums

Chair, Master's Committee, Thong Thai, 2012, Thesis: Exploration of Formal
        Aesthetics in Extreme Rain Conditions: Design of a Buddhist Library in
        Vietnam

Co-chair, Ph.D. Committee, Islam, AKM Z, 2015, Ph.D. Thesis: Modality Shift in
        Design Process: Understanding the Rationality behind Modality Shift and its
        Effect on Architectural Design

Co-Chair, Ph.D. Committee. Tilanka Chandrasekera, Fall 2015, PhD Thesis" The
        effect of AR and VR interfaces on Epistemic Actions and Creative Process

Chair, Master's Thesis, Kinkini Chandrasekara, 2014, Architectural Design Critique
        Process in the Digital Environment

Chair, Master's Thesis (temp), Jennifer Stockhausen, 2015, The Level of Control within Work Environments as Experienced by Millennials Entering the Work Force

Member, Ph.D. Committee. Elke Altenburger, Fall 2016, Thesis: The Spaces in between at Orbit High: An analysis of Teenage behavior During Breaks at School.

Member, Ph.D. Committee. Sarah Angne, Spring 2016, Thesis: Becoming Christ Cathedral: the Emergence, Rise, and Transformation of the Crystal Cathedral

Member, Ph.D. Committee. Ellis, Natalie. Fall, 2015. Thesis: A Descriptive Study of Workplace Attributes: Environmental Preference Index Examined Through Organizational System Preference

Member, Ph.D. Committee. Parker, Jan. Fall, 2015. Thesis: Environmental Preferences of Users in Co-Located Colleges

Member, Ph.D. Committee, Vo, Ng. 2015 College Students' Choices of Informal Learning Spaces

Member, Ph.D. Committee, Anthony, L., 2015, The Influence of Organizational Culture and Power on Status: How it is manifested in the Open Office

Member, Ph.D. Committee, Danielle Oprean, 2014, PhD Thesis: Understanding the Immersive Experience: Examining the influence of Visual Immersiveness and Interactivity on Spatial Experiences and Understanding

Member, Ph.D. Committee, Ahmed Alawadhi, 2014, PhD Thesis: Perception of Crowding At Retail Stores: An Empirical Study examining the Effect of Design Factors on Approach Responses using Virtual Reality Simulation

Member, Ph.D. Committee, Yu-Fong Lin, 2014, PhD Thesis: Retail Display Lighting on American and Taiwanese Consumers' Perception: Browsing in a Virtual Reality Store
.
Member, Ph.D. Committee, Christenson, R., 2014, Ph.D. Thesis: Transinstitutionalization: A case study of two residential care facilities in rural Midwest North America

Member, Ph.D. Committee, Marina Muraroli, 2014, PhD Thesis: Exploring the Relative Impacts of Different Motivations to Adopt Green Housing Features

Member, Ph.D. Vivian Izsack, 2014, Café, Culture and Community: Re- Establishing a Sense of Place in Little Havana's Calle Ocho.

Member, Ph.D. Committee, Amanda Andrade, 2013, PhD Thesis: A study of
Workplace Attributes: 'Place to Work' Index examined through Organizational
Preference

Member, Ph.D. Committee, Mario Paul, May 2013, PhD Thesis: Factors that
influence Ease of Wayfinding in a Hospital Setting

Member, Ph.D. Committee, Emily Roberts, August 2012, PhD Thesis: Legislating
Home: The Impact of the Regulation of Small House Settings for Long Term
Care Residents in Nova Scotia, Canada

Member, Ph.D. Committee, Tommy Abercrombie, August 2011, Thesis: Experience
by Design: A Post occupancy Evaluation of the Tarrant County College Fire
Service Training Center

Member, Ph.D. Committee, Ellen Fischer, August 2011, PhD Thesis: Using the
Physical Classroom Environment as a Tool for Learning: A Case Study

Member, Ph.D. Committee, 2011, Ji Young Cho, PhD Thesis: The Pedagogy of
Aesthetics: A Study of Three Architectural Design Studios

Member, Ph.D. Committee, 2010, Lyndsey Schwabrow, PhD Thesis: Part-time
Schedules for Children in Campus Child Care Centers: A MAUT Analysis of
Challenges Faced by Administrators

Member, Ph.D. Committee, 2009, Kim Rich, PhD Thesis, An Evaluation of Two
University LEED Projects: A Case Study at Southern Methodist University

Member, Ph.D Committee, 2010, Marianna Trost, PhD Thesis: 5S: A Case study

Member, Ph.D. Committee, 2009, Diana Ingham, PhD Thesis: Aging in the Farm:
Towards a Model of Passionate Place Attachment

Member, Ph.D. Committee, 2008, Brian Sinclair, PhD Thesis: Urban Mongolia: An
integrative Culturally sensitive sustainability-focused design + planning
framework for Ger districts

Member, Master's Committee, 2012, Thesis: Authentic Thresholds: Interior Design
Client Involvement in the Creation of Sense of Home

Member, Master's Committee, 2011, Susan Wampler, Thesis: Methods and
Strategies for Bridging Design Practitioner-Researcher Gap

Member, Masterss Committee, 2009, Chen Yang, Professional Practice Experiences

Member, Master's Committee, Christopher Cloyd, A Study of Stereoscopic Image
Creation with 3D Studio Max, 2008

Service Learning and Innovative Student Projects

Exhibit of Studio work to Commemorate Victims of Rosewood Massacre with Prof. Roberto Rovira, Kevin Antonio Chong Wong, Carina Neubern De Souza Almeida, Leticia Neubern De Souza Almeida, Matthew Wagshol at Frost Museum, FIU, January 25- April 16, 2023, An Elegy to Rosewood.

Interdisciplinary Studio to Commemorate Victims of Rosewood Massacre, with Roberto Rovira, landscape Architecture, Environment and Urban Design, Florida International University

Hybrid COVID-19 Testing Station with Shipping Containers, Independent study, Njood Bokhari, Department of Interior architecture, Florida International University

Emergency Room Revisioning for West Kendall Baptist Hospital, Graduate studio 4, Department of Interior architecture, Florida International University

Architectural Robotics course teaching in Department of Computer Science, University of Missouri, Fall 2015, with Marge Skubic

Design proposal for Multi-cultural Chapel for Aloysius Institute of Management and Information Technology, Mangalore, India, 2012.

Revisioning the Student Success Center at MU Campus. Vice-provost of undergraduate studies involving faculty and students from all 13 colleges at MU, 2013

Renovation of Lyceum Theater Lobby, Arrowrock, Missouri, 2012 MU Students Veteran Memorial Wall, Memorial Union, 2012

BoardWalk 2011, 3rd place winner in the General Commercial category for Spearhead Resort, Maryville University, International Interior Design Association

Faculty Mentor, Karen Johnson, national finalist, 2013 Gensler Brinkmann Scholarship competition

Student work curation, Master's Thesis, Thong Thai, The Rain Dance: Exploring Formal Aesthetics in a Buddhist Library Design, Architectural Studies Rogers Gallery

SERVICE

Scholarly /International Service

External Tenure Reviewer, Kent state University, 2023

External Tenure Reviewer, Colorado State University, 2023

External Tenure Reviewer, University of Cincinnati, 2021

Book Reviewer, Routledge Publications, Design Thinking, 2017

Reviewer, Design Communication Association Conference proceedings, Cornell
University, 2017

Reviewer, Journal of Design Studies, Elsevier, 2013 to present

Reviewer, Design Communication Association, 2017-2018 Cornell University

Editorial Board, Journal of Design, Economics, and Innovation, 2015, Elsevier

Reviewer, International Journal of Design Creativity and Innovation, Taylor and
Francis, 2012

Reviewer, Journal of Engineering Design, Special issue on Design Creativity, Taylor
and Francis, from 2011

Reviewer, Journal of Learning Spaces, University of North Carolina Press, from 2011

Reviewer and member of Editorial Review Board, Handbook of Research: Didactic
Strategies and Technologies for Education Incorporating Advancements, IGI
Global, 2012

Reviewer, Environment Design Research Association, Washington DC, 2010

Reviewer, Design Communication Association, Montana, 2010

Book Reviewer, 'From Brief to Build,' Lawrence-King Publishing, National, January
2011

Faculty Mentor, Annual Graduate Student Workshop for the Environment Design
Research Association, Seattle, 2012

Faculty Mentor, Annual Graduate Student Workshop Environment Design Research
Association, Chicago, 2011

Associate Editor, Design Principles and Practices: An International Journal, 2008

University and Departmental Service

Member, Promotion and Tenure Committee, College of Communication, Art and
Architecture, Florida International University, 2017-2024

Member, Curriculum Committee, College of Communication, Art and Architecture,
Florida International University, 2016 onwards

Member, Dean's Search Committee, College of Human Environment Sciences, 2016

Member, Faculty Council, University of Missouri, College of Human Environment
Sciences, Fall 2015

Chair, Graduate Faculty Senate Awards Sub-Committee, University of Missouri,
Columbia, 2014-15

Member, Distance Learning Council, University of Missouri, 2014

Member, Faculty Council on College Policy, College of Human Environment
Sciences, 2014-2016

Member, Graduate Doctoral Committee, Department of Architectural Studies,
20072016.

Faculty Collaborator, Immersive Visualization Lab, 2012-16

Member, Scholarship Committee, Human Environmental Sciences, 2009 to present.

Participant, High School Art Day, Department of Fine Arts and Department of
Architectural Studies, Human Environment Sciences, Fall, 2011

Member, Status and Appeals Committee, Human Environmental Sciences, January
2007 to 2009

Interviewer, Missouri Scholars, UM system, March 2008

Competition judge, Recycling Art Gallery, Stotler Lounge, MU, 2010

Professional Development

Provost's Leadership Program, Florida International University, Fall, 2021, Miami.

Making the Leap to Large, NSF Workshops series, 2019.

Council of Interior Design Association Workshop, March 6, 2019, Charlotte.

10th Annual Architecture + Health Educators Summit, July 20, 2017, Chicago Illinois, Offices of Stantec | SLS at the Radisson Blu Aqua, Chicago IL

Cyberlearning 2017: What's Next? Making Connections to Shape the Future, The Center for Innovation Research in Cyber learning, CIRCL NSF April 18-19, 2017, Arlington, VA 22203.

Post-election Healthcare Design Colloquium, March 2, 2017, University of Miami School of Architecture, Miami, Florida.

IBM Design Thinking Workshop, American Institute of Graphic Arts, January, 2017, Florida International University, Miami Beach urban Studios, Miami, Florida.

Sculpting the Architectural Mind: Neuroscience and the Education of an Architect, March 6-7 2015, Academy of Neuroscience for Architecture, Brooklyn, New York.

Leadership Experience: Making the Move from Professor to Administrator— Is This for You? 2014, International Conference on College Teaching and Learning, Jacksonville, Florida.

Media Psychophysiology Boot Camp, January 2012, School of Journalism, University of Missouri, Columbia

Faculty Grant Writing Institute, May 2009, Selected by the MU's office of research, University of Missouri, Columbia

Past perfect Museum Software Training for Architectural Virtual Gallery, January 2009, College of Human Environment Sciences

ET@MO Teachnology, July 2008, Educational Technology at Missouri, University of Missouri-Columbia

44th Faculty Writing Workshop, 2008, Reynolds Alumni Center

VR Worlds: Online Workshop on Virtual Reality, April, 2007, SLOAN-C Workshop Series: Virtual Reality (VR) Worlds: Benefits and Uses for the Higher Education Professional

Media Coverage

The Multi-Skilled Designer: Cognitive Foundation for Inclusive Architectural Thinking, Podcast, New Book Network, September 2020. https://newbooksnetwork.com/newton-dsouza-the-multi-skilled-designer-taylor-andfrancis-2020/

Journey Towards a Multi-Skilled Designer and More, Podcast, Archgyan, December 2020.https://archgyan.com/podcast/journey-towards-a-multi-skilled-designermore-with-newton-dsouza-ag-57/

Interior architecture student creates hybrid COVID-19 treatment model to aid overcrowded hospitals, FIU News. https://news.fiu.edu/2020/interior-architecture-student-creates-hybrid-covid-19-treatment-model-to-aid-overcrowded-hospitals

Video highlighting the Study of Interdisciplinary Team Creativity, 2017. National Socio-environmental Synthesis Center (SESYNC) video series https://www.youtube.com/watch?v=4EBpLw8xauY

Top Drawer: Highlighting the New and Noteworthy, April 2014. http://www.columbiatribune.com/business/saturday_business/top-drawer/article_f2a051c4-bc5a-11e3-af9c-0017a43b2370.html

MU's iLab opens doors to promote interaction, May 2014. http://www.columbiatribune.com/news/education/mu-s-ilab-opens-doors-to-promote-interaction/article_587fea1c-cd00-11e3-ab16-10604b9f7e7c.html

New memorial honors MU students who have died at war: Missing column said to represent impact, Nov 2013. http://www.columbiatribune.com/news/education/mu-s-ilab-opens-doors-to-promote-interaction/article_587fea1c-cd00-11e3-ab16-10604b9f7e7c.html

Mizzou Summit explores Creativity and New Media, News Daily, 2013 http://www.newsdaily.com/article/e105d2d75134bf1ae7bf2570f366e95e/mizzou- summit-explores-creativity-and-new-media

Virtual Reality Can Improve Design Skills in Younger Generation, MU Researcher Looks for Ways to Bridge Generational Technology Gap, MU News Bureau, March 3, 2011. https://munewsarchives.missouri.edu/news-releases/2011/0303-virtual-reality-can-improve-design-skills-in-younger-generation/

MU Architecture Student's Design could become Permanent Veterans Memorial, Columbia-Missourian, November 2012. https://www.columbiamissourian.com/news/mu-architecture-students-design-could-become-permanent-veterans-memorial/article_68e79883-8c58-5b08-a612-f41a76abb47c.html

Membership in Organizations

Member, Environment Design Research Association, August 2008 to present

Member, Interior Designers Educators Council, 2012 to present

Member, SIG-Creativity, International Conference on Engineering Design, Stanford University, 2009

Member, SIG-Multiple Intelligences, American Educators Research Association, San Diego, 2009

Member, American Educators Research Association, August 2008

Member, Design Communication Association, August 2007

PROFESSIONAL PRACTICE

Condominiums for M/s Motwani Builders (1, 26,000 SFT), Zachariah Consultants, Bangalore, India, 1994

Mass Housing for M/s R. N. Shetty and Co. (20 Acres), Zachariah Consultants, Bangalore, India, 1994

Alleleuiah, Individual Residence for R. L. D'souza (2000SFT), M/s R. L. D'souza Consulting Engineer, 1999

Brigade Plaza, Shopping Mall for M/s Brigade Developers (67,000 SFT), Zachariah Consultants, Bangalore, India, 1995

Trade Center, Shopping / Office Retail for M/s Real Deal Developers (48,000 SFT), Zachariah Consultants, Mangalore, India, 1995

Siemens Corporate Office Interiors for M/s Siemens India (3000 SFT), Zachariah Consultants, Bangalore, India, 1994

Titan showroom at Colombo for M/s Titan, R., D &M (1000 SFT), Bangalore, India, 1995

Levi Strauss showroom, Mumbai, 100 SFT, R., D &M, (1,000 SFT), Bangalore, India, 1995

Medical School and Residence Hostel for Father Muller's Charitable Institution (2, 60,000 SFT), Neville D'souza Architects, Mangalore, India, 1998

School Building for Bethany Convent (60,000 SFT), Neville D'souza Architects, Mangalore, India, 1998