

Curriculum Vitae
Altat Engineer, Ph.D., R.A., LEED AP BD+C

Associate Professor, University of Arizona
School of Architecture (SoA) | College of Architecture, Planning & Landscape Architecture (CAPLA)
1040 North Olive Road, PO Box 210075, Tucson, AZ 85721

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EDUCATION

- 2015 **Ph.D. in Architecture**
The Illinois School of Architecture, University of Illinois at Urbana-Champaign
Dissertation: *State of the Art: Museum Additions and Their Impact on Occupant Experience*
Advisor: Professor Kathryn H. Anthony, Ph.D.
- 2005 **Master of Architecture (M.Arch.)**
The Illinois School of Architecture, University of Illinois at Urbana-Champaign
Thesis: *Museum of Light: An Investigation into the Quality of Naturally Illuminated Spaces*
Awarded the **Architectural Research Colleges Consortium (ARCC) King's Merit Medal for Excellence in Architectural + Environmental Behavior Research**
Advisors: Professor Bob Selby and Professor Kathryn H. Anthony, Ph.D.
- 2002 **Bachelor of Architecture (B.Arch.)**
Indian Education Society College of Architecture, University of Mumbai, India

CERTIFICATES

- 2020-2021 University of Arizona **Inclusive Leadership Cohort** Program Certificate

PROFESSIONAL LICENSURE AND CERTIFICATIONS

- 2017- Registered Architect (R.A.), New York, USA, License #039740
- 2017-2019 National Council of Architectural Registration Boards (NCARB) Certified, NCARB Certificate #87188
- 2011- Leadership in Energy and Environmental Design Accredited Professional with expertise in building design and construction (LEED AP BD+C)
- 2008-2018 Registered Architect, India, Council of Architecture (CoA)

HONORS AND AWARDS

PEER-REVIEWED AWARDS

- 2023 **Faculty Research Excellence** Award, School of Architecture, CAPLA, University of Arizona and American Institute of Architects, Southern Arizona.

- 2018 **Emerging Legacy Award, College of Fine & Applied Arts, University of Illinois at Urbana-Champaign.** Award recognizing alumni who have demonstrated courage, curiosity, and passion in their work and to honor individuals who have impacted their fields in transformative ways—catalysts with a distinguished service to the arts. Nominated and selected by committees from across the College, community, and University.
- 2016 **German Design Council Iconic Award** in the category of **Concept>Visionary Architecture** with the distinction of “Iconic Awards 2016 – Best of Best” for the Hex House: A rapidly deployable, dignified shelter for displaced populations; award ceremony held in Munich, Germany on October 4th, 2016.
Role: Architect, team of 5, Architects For Society, global non-profit organization.
- 2016 **American Architecture Prize 2016, Bronze medal in Architectural Design/Social Housing Category** for the Hex House: A rapidly deployable, dignified shelter for displaced populations.
Role: Architect, team of 5, Architects For Society (AFS).
- 2011-2014 **Illinois Distinguished Fellowship**, University of Illinois at Urbana-Champaign. Amount: Annual stipend of \$24,000 for 3 years.
- 2004-2005 **Architectural Research Colleges Consortium (ARCC) King’s Merit Medal** for Excellence in Architectural + Environmental Behavior Research. Project title: *Museum of Light: The Role of Natural Light in Museum Settings*.

HONORS

- 2004 **National Gargoyle Architecture Honor Society**, University of Illinois at Urbana-Champaign.

ACADEMIC POSITIONS

- 2023- **Associate Professor**, School of Architecture (SoA), College of Architecture, Planning & Landscape Architecture (CAPLA), University of Arizona
- 2025-2026 **Interim Director**, November 24, 2025, through May 24, 2026, Drachman Institute, CAPLA, University of Arizona
- 2022-2025 **Director of Graduate Studies**, Master of Science in Architecture (MS.Arch) degree program, SoA, CAPLA
- 2024 **Interim Director of Graduate Studies**, Fall semester, Master of Architecture (M.Arch) degree program, SoA, CAPLA
- 2022-2023 **Director**, RESTRUCT: Built Environment Research initiative, University of Arizona
- 2017- **Affiliate Faculty**, Institute on Place, Wellbeing, and Performance (IPWP), University of Arizona
- Affiliate Faculty**, Innovations in Aging Graduate Interdisciplinary Program (AIIA GIDP), University of Arizona
- Affiliate Faculty**, Applied Intercultural Arts Research Graduate Interdisciplinary Program (AIAR GIDP), University of Arizona
- Affiliate Faculty**, Arid Lands Resource Sciences Graduate Interdisciplinary Program (ALRS GIDP), University of Arizona

- 2017-2023 **Assistant Professor**, School of Architecture (SoA), College of Architecture, Planning & Landscape Architecture (CAPLA), University of Arizona
- 2016 **Faculty Associate**, The Design School, Herberger Institute for Design and the Arts, Arizona State University
- 2012-2014 **Instructor of Record**, Illinois School of Architecture, University of Illinois at Urbana-Champaign
- 2005 **Teaching Assistant**, Illinois School of Architecture, University of Illinois at Urbana-Champaign

PROFESSIONAL EXPERIENCE

- 2015-2022 **Co-founder and Board Member, Architects for Society**
 A global non-profit design practice with a mission to enhance the built environment of disadvantaged communities through affordable, innovative architecture and design.

 Selected Projects: *Hex House*, A rapidly deployable, low-cost, and sustainable housing solution for low-income and displaced populations; STEAM School in Haiti – Center for Excellence in Haiti for Haitian School Without Borders
- 2007-2011 **Project Architect, Stantec**, Washington DC
 Sustainable higher education buildings and campus planning.

 Selected Projects: New Science Center for Montgomery Community College at Rockville, Maryland: LEED Gold Certified and nominated for AIA DC Award; George Mason University, Fairfax, VA: New student dormitory buildings; Tidewater Community College, VA: New Science Building with Teaching Labs; Philadelphia Community College: New Students Center and Library; Howard University, Washington DC: Science Teaching Labs
- 2005-2007 **Project Architect, BellArchitects**, Washington DC
 Adaptive re-use, conservation, and institutional projects.

 Selected Projects: A Youth Correctional Facility at Oak Hill, MD for the Washington DC government; Federal Correctional Institution at Sheridan, OR; Restoration of Old Naval Hospital, Washington DC; Renovations and upgrades for compliance with building code and accessibility guidelines to apartment complexes in Maryland and Washington DC.
- 2003 **Associate Architect, Ranjit Sinh Associates**, Mumbai, India
 New single-family bungalows around the Mumbai metropolitan area.
- 2001-2003 **Intern Architect, Ved Segan Associates**, Mumbai, India
 Adaptive re-use projects, new houses, residential interiors, renovations and upgrades to performing arts theaters, and museums.

GRANTS AND SPONSORED PROJECTS

- 2025 **Multi-Functional Sensory Garden Master Plan at The Hacienda at the River**
 Role: **Co-Principal Investigator (Co-PI)** (20%)
 Principal Investigator (PI): Bo Yang, PhD
 Source: Watermark Retirement Communities

	Amount: \$25,000
2025	Heat and Health Resilience Innovation Consortium Role: Co-Investigator (Co-I) (5%) Principal Investigator (PI): Amelia Gallitano, MD, PhD, Co-Principal Investigator (Co-PI): Freya Spielberg, MD, MPH Source: Big Idea Challenge, UA Office of Research and Partnerships. Amount: \$250,000
2025	It Takes a Village: A Transdisciplinary Collaborative for Micro-Shelters as a Solution for People Experiencing Housing Instability Role: PI (5%) Co-PIs: Kenny Wong, Sheila Soto, Bridget Murphy & Daniel Beskind Source: Big Idea Challenge Capacity-Building Grant, UA Office of Research and Partnerships. Amount: \$5,000
2025	SAFE-AIR: Real-time detection and control of indoor airborne microbes and contaminants Role: Co-Investigator (Co-I) (5%) PI: Janko Nikolich, MD, PhD Source: Big Idea Challenge Capacity-Building Grant, UA Office of Research and Partnerships. Amount: \$5,000
2024-2025	South32 Hermosa Project Phase 1: Asset Inventory, Gap Analysis, and Innovative Pathways Role: Co-PI (8%) PI: Bo Yang, PhD Source: South32 Mining Company Amount: \$300,000
2024	CAPLA Teaching Grant: Community Design and Action Capstone Pedagogical Partnership Role: Co-PI (10%) PI: Teresa Rosano Source: CAPLA Amount: \$10,000
2023-2024	College of Medicine Student Lounge Design Visioning and Space Planning Project Role: Co-PI (30%) PI: Sandra Bernal, PhD Source: University of Arizona Health Sciences Amount: \$18,000
2022-2025	Health Sciences Library Design Visioning and Space Planning Project Role: PI (30%) Co-PI: Sandra Bernal, PhD Source: University of Arizona Health Science Libraries Amount: Phase 1: \$34,225; Phase 2: \$15,000
2023	Critical Practices Laboratory, Studio Moyo, Uganda Role: Co-PI (50%) PI: Chris Trumble Source: Pipeline Worldwide, NGO Amount: \$5500

2022-2023	Personal Thermal Comfort Management and Minimized Building Energy Consumption via Ambient Light Exposure for Optimal Thermal Comfort in Older Adults Role: Co-PI (30%) PI: Qing Hao, PhD Source: University of Arizona Health Sciences (UAHS) Innovations in Healthy Aging Amount: \$100,000
2022	Critical Practices Engagement, Collaboration and Performance in Moyo, Uganda Role: Co-PI (50%) PI: Chris Trumble Source: UA CAPLA Teaching Innovation Grant Amount: \$7000
2021-2022	Living Labs for Healthy Aging: Smart Connected Model Apartments in a Senior Living Community in Downtown Tucson Role: PI (80%) Source: University of Arizona Health Sciences (UAHS) Strategic Initiative 3.3: Next Generation Model in Healthy Aging Amount: \$10,000
2020-2022	Wearable devices: Project measuring and manipulating CO2 in personal CO2 bubble during sleep, with measurement of post-sleep cognitive performance Role: Co-PI (10%) PI: Esther M. Sternberg, MD Co-PIs: Sairam Parthasarathy, MD, Young-Jun Son, Ph.D., Johnny Ray Runyon, Ph.D., Nirav Merchant Source: Arizona Commerce Authority (ACA) Wearables Applied Research Center Amount: \$366,507
2021	DASH-SAFE" and "DASH-Well": Two Near Real-Time Geographic Information System-Based Tools for Risk Assessment and Emotion Mapping in the Built Environment. RESTRUCT Workshop #2 Seed Funding: Built Environment+Data+Post-Pandemic Solutions Role: Co-PI (25%) PI: Esther M. Sternberg, MD Source: RESTRUCT Workshop #2 Seed Funding: Built Environment+Data+Post-Pandemic Solutions Amount: \$10,000
2021	DASH-SAFE" and "DASH-Well": Two Near Real-Time Geographic Information System-Based Tools for Risk Assessment and Emotion Mapping in the Built Environment. RESTRUCT Workshop #2 Seed Funding: Built Environment+Data+Post-Pandemic Solutions Role: Co-PI (25%) PI: Esther M. Sternberg, MD Source: RESTRUCT Workshop #1 Hackathon Seed Funding: Built Environment+Data+Post-Pandemic Solutions Amount: \$1200
2020-2021	Sustainable Communities Accessing Lending and Expertise Upon Performance (SCALE UP) Program: Research partnership towards developing a new community-engaged pedagogy in building performance, health, and wellbeing Role: PI (10%) Co-PI: Sandra Bernal, PhD

Source: Arizona State Dept. of Administration and Department of Energy Green Fund via
Local First Arizona (non-profit organization)
Amount: \$7500

- 2020-2021 **Assessment of Health, Building Design, and Movement to Mitigate At-Risk Spaces in Post-COVID-19 Campus Re-Entry**
Role: **Co-PI** (13%)
Co-PIs: Esther M. Sternberg, MD, Bo Yang, Ph.D., Shujuan Li, Ph.D., Young-Jun Son, Ph.D., Philip Stoker, Ph.D., Matthias Mehl, Ph. D.
Source: UA Research, Innovation & Impact (RII) Reopening Award
Amount: \$35,000
- 2019-2021 **A Comparison of Virtual Reality versus Real-life Experiences of Labyrinths to Test the Validity of Virtual Reality Simulations and their Influence on Human Performance.**
Role: **Co-PI** (40%)
PI: Omar Youssef, Ph.D.
Source: UA Research, Discovery and Innovation (RDI) Research Seed Grant, Building a Changing World Initiative
Amount: \$6799
- 2019-2020 **Ambient and Personal CO2: Impacts on Sleep and Cognitive Performance in Aging Populations towards Mitigation with Real-time Automatic Adaptive Connection of Human Responses to Building Systems through the Internet of Things.**
Role: **Co-PI** (25%)
PI: Esther M. Sternberg, MD
Source: UA Research, Discovery and Innovation (RDI) Research Seed Grant, Building a Changing World Initiative
Amount: \$7000
- 2019-2020 **Impact of CO2 in the built environment on sleep quality and cognitive function in sleep and circadian science laboratories for better individual health and wellbeing outcomes**
Role: **PI** (50%)
Co-PIs: Esther M. Sternberg, MD, Erica Baranski, Ph.D., Sai Parthasarathy, MD
Source: UA CAPLA Research Seed Grant
Amount: \$7000
- 2019 **Pre and Post-move Study in Cardiac Step-down Unit at UA Banner Medical Center**
Role: **Co-PI** (30%)
PI: Esther M. Sternberg, MD
Co-PIs: Erica Baranski, Ph.D., Young-Jun Son, Ph.D., Bijoy Chowdhury, Ph.D., Sara Masoud, Ph.D.
Source: UA Andrew Weil Center for Integrative Medicine
Amount: \$5000
- 2019 **Designing for Healthy People and a Healthy Planet: Envisioning Minnesota's Expo 2027**
Role: **Co-PI** (50%)
Co-PI: Lisa Schrenk, Ph.D.
Source: UA CAPLA Teaching Innovation Grant
Amount: \$9,462
- 2019 **Designing for Healthy People and a Healthy Planet: Envisioning Minnesota's Expo 2027**
Role: **Co-PI** (50%)
Co-PI: Lisa Schrenk, Ph.D.

Source: UA Student/Faculty Interaction (SFI) Grant, Student-Faculty Engagement, UA Campus Life
Amount: \$500

- 2018 **Acquisition of Lyophilization and Refrigeration Equipment**
Role: **Co-PI** (20%)
PI: Aletheia Ida, Ph.D.
Co-PIs: Pierre Lucas, Ph.D., Jonathan Bean, Ph.D.
Source: University of Arizona Water, Environmental & Energy Solutions (WEES) Equipment/Infrastructure Grant.
Amount: \$20,163
- 2017-2020 **Multimodal Objective Sensing to Assess Individuals with Context (MOSAIC) Rapid Automatic & Adaptive Model of Performance Prediction (MOSAIC RAAMP2) Program**
Role: **Co-PI** (40%, within UA IPWP team)
PI: Matthias Ziegler, Ph.D. (Lockheed Martin)
Co-PIs: Esther M. Sternberg, MD, Matthias Mehl, Ph.D.
Source: Intelligence Advanced Research Projects Activity (IARPA)
Amount: \$1.9 million
- 2013 **The design of “starchitect” museum additions and their impact on occupants’ experiences**
Role: **Co-PI** (50%)
Co-PI: Professor Kathryn H. Anthony, Ph.D., University of Illinois at Urbana-Champaign.
Source: **University of Illinois at Urbana-Champaign (UIUC) Campus Research Board Award**
Amount: \$9,462

PUBLICATIONS

(*work done as a graduate student; °graduate student advisee)

PEER-REVIEWED BOOKS

Authored

- 2024 **Engineer, A.**, Ida, A., Jung, W., and Sternberg, E.M. (Lead author, 70% contribution) (2024, February). *Measuring the Impact of the Built Environment on Health, Wellbeing and Performance: Techniques, Methods, and Implications for Design Research*. Health and the Built Environment focus series. Routledge, Taylor & Francis Group.
- 2018 **Engineer, A.** and Anthony, K. (Lead author, 90% contribution) (2018). *Shedding new light on art museum additions: Front stage and back stage experiences*. New York, NY: Routledge Research in Architecture Series, Taylor & Francis Group.

Edited

- 2020 **Engineer, A.**, Sternberg, E.M., and Ida, A. (Eds.) (Lead editor, 80% contribution) (2020). *Healing Spaces: Designing Physical Environments to Optimize Health, Wellbeing and Performance*. *International Journal of Environmental Research and Public Health (IJERPH)* Special Issue Book Reprint. Basel, Switzerland: MDPI.

Book Chapters

- 2023 Hyde, J., Runyon, R., **Engineer, A.**, Kramer B., Lindberg C., and Sternberg, E.M. (Co-author, 30% contribution) (2023, November). Wearable technologies in the workplace: Sensing to create responsive industrial and occupational environments optimized for health. In Mehl, M., Wrzus, C., Eid, M. & Harari, G. (Eds.) *Mobile Sensing in Psychology: Methods and Applications (A Handbook)*. Guilford Books.
- 2020 **Engineer, A.** (2020, August). Immersive Physical Environment: Office Interiors and Preparedness. In Mechanick, J. & Kushner, R. (Eds.), *Building and Implementing a Lifestyle Medicine Program: From Concept to Clinical Practice* (pp. 11-15). Springer.

PEER-REVIEWED JOURNAL ARTICLES

- 2024 Alaqtum, T., **Engineer, A.**, & Moeller, C (Co-author, 30% contribution) (2024, May). Daylighting Glare and Design for Visual Comfort. *Technology / Architecture + Design (TAD)*.
- 2021 **Engineer, A.**, Gualano, R.J., Crocker, R.L., Smith, J.L., Maizes, V., Weil, A., & Sternberg, E.M (Lead author, 60% contribution) (2021, August). An Integrative Health Framework for Wellbeing in the Built Environment. *Building & Environment*, 205.
- 2020 Bernal, S., **Engineer, A.**, and Chalfoun, N. (Co-author, 40% contribution) (2020, May). Assessment of the implications of natural and mechanical ventilation on exposure to dust in the residential sector. *Vivienda y Comunidades Sustentables (Housing and Sustainable Communities)*, 4(7), 77-91.
- 2020 **Engineer, A.**, Ida, A., and Sternberg, E.M. (Lead author, 80% contribution) (2020, February). Healing Spaces: Designing Physical Environments to Optimize Health, Wellbeing and Performance. Editorial: *International Journal of Environmental Research and Public Health (IJERPH)*, 17(115), 1-4.
- 2019 **Engineer, A.**, and Bernal, S. (Lead author, 75% contribution) (2019, July). Towards a human-centered approach to art museum design. *The International Journal of Architectonic, Spatial, and Environmental Design*, 13(2), 1-12.
- 2019 Sternberg, E.M., **Engineer, A.**, and Oberman, H. (Co-authors, 33% contribution by each) (2019, April). Trauma, place, and transformation: Commentary on Place Spirituality. *Archive for the Psychology of Religion*, 41(1), 26-32.
- 2018 **Engineer, A.**, Sternberg, E.M., and Najafi, B. (Lead author, 75% contribution) (2018, August). Designing interiors to mitigate physical and cognitive deficits related to aging and promote longevity in older adults: A review. *Gerontology*, 64(6), 612-622.
- 2015 ***Engineer, A.** and Bliss, A. (2015, February) (Co-authors, 50% contribution by each). [Re]Making History: Authenticity, architecture, and tourism. *International Journal of the Constructed Environment*, 5(3-4), 21-33.

PEER-REVIEWED CONFERENCE PAPERS

- 2026 Tasnim, S. & **Engineer, A.** (Co-author, 25% contribution) (2026). Evaluating and Retrofitting Historic Buildings in Hot Arid Regions for Thermal Comfort and Energy Efficiency: A Novel Digital Simulation-Based Method. *ARCC-EAAE Conference Proceedings*, Kennesaw State University, Atlanta.

- 2026 **Engineer, A.**, Bernal S., & Zeshan A. (Lead author, 33% contribution) (2026). Adaptive Feedback Mechanisms in Architecture: A Gamified Approach to User-Centered Design and Education. Association of Collegiate Schools of Architecture (*ACSA*) *2025 Teacher's Conference Proceedings*, Charlotte, North Carolina (Virtual).
- 2022 **Engineer, A.** & Bernal S. (Lead author, 75% contribution) (2022, December). Pre- and Post-COVID-19 synergies between research and practice in health and the built environment. *Passive and Low Energy Architecture (PLEA) 2022 Conference Proceedings*, Santiago, Chile.
- 2021 °Alaqtum, T., **Engineer, A.**, & Moeller, C. (Co-author, 30% contribution) (2021, April). From perception to design: Daylight glare mitigation in architectural spaces. *ARCC 2021 Conference Proceedings*, Tucson, AZ, USA.
- 2020 **Engineer, A.** (November 2020). New synergies between research, education, and practice for health and wellbeing outcomes in the built environment. *EAAE-ARCC International Conference Proceedings*, Valencia, Spain.
- 2020 °Alhabib, G., Bernal, S., Ida, A., and **Engineer, A.** (Co-author, 30% contribution) (October 2020). Experimental tests of CAM Plants and Hydrogels for outdoor air pollutant filtration systems. Proceedings of *The 16th Conference of the International Society of Indoor Air Quality & Climate (Indoor Air 2020) Proceedings*, 1-6. Seoul, South Korea.

GUEST EDITOR, SPECIAL ISSUE, PEER-REVIEWED JOURNAL

- 2019-2020 Sternberg, E.M., **Engineer, A.**, and Ida, A. (Co-Editor, 80% contribution) (2020, January). Healing Spaces: Designing Physical Environments to Optimize Health, Wellbeing and Performance. *International Journal of Environmental Research and Public Health*, Special Issue.

OTHER SCHOLARSHIP

Peer-reviewed Conference abstracts + presentations

- 2025 **Engineer, A.**, Bernal, S., Zeshan, A. (2025, August). Adaptive Feedback Mechanisms in Architecture: A Gamified Approach to User-Centered Design and Education. *2025 ACSA Teacher's Conference*, Charlotte, North Carolina (Virtual).
- 2024 Crum, J., Nunez, A.V., Bernal, S.M., Yang, B. **Engineer, A.** (2024, May). A Gamified Design Process for an Academic Health Sciences Library Remodel. *Medical Libraries Association Conference*, Portland OR, USA.
- 2024 Driver, E., **Engineer, A.** & Jung, W. (2024, June). Biophilic design and the COVID-19 pandemic: Literature review and novel tools to assess mental health and well-being. Abstract and poster: *Environmental Design Research Association (EDRA55)*, Portland, OR.
- 2023 **Engineer, A.** & Trumble, C. (2023, June). Collaboration and performance: Dimensions of an emerging pedagogy in architecture. *2023 ACSA/EAAE Teachers Conference*, Reykjavik, Iceland.
- 2022 **Engineer, A.** (2022, May). Impact of light and sound on stress and wellbeing in the built environment. Speaker and Panelist for Session: A Framework for Embedding the Seven

Domains of Integrative Health into the Built Environment: The Next Frontier of Integrative Health., co-chaired by Dr. Esther M. Sternberg and Dr. Zhang O' Neil. *International Congress on Integrative Medicine*, Phoenix, AZ.

- 2021 **Engineer, A.** & Kramer, B. (2021, May). Built Environment Considerations to Reduce Disease Transmission in Assisted Living and Skilled Nursing Facilities. Conference Intensive Session: Dimensions of Residential Environments and the Creation of Just Communities, *EDRA52*, Detroit (Virtual).
- 2021 °Alaqtum, T., **Engineer, A.** & Moeller, C. (2021, April). From perception to design: Daylight glare mitigation in architectural spaces. *ARCC Conference*, Tucson, AZ (Virtual).
- 2021 Sternberg, E.M., Li, S., Yang, B., **Engineer, A.**, Stoker, P., Son, Y.J., Mehl, M., Chen, Y., Young, A., Spickard, G., Blakiston, R., & Curl, A. DASH-SAFE: A Multi-Modal Geographic Information System (GIS) Dashboard for Near Real-Time Mapping of Perceived COVID Risk/Safety in a Campus Environment. 2021 Integrative Medicine & Health Symposium Abstracts published in *Global Advances in Health and Medicine*, University of Arizona, Tucson, Arizona (Virtual).
- 2020 **Engineer, A.** (2020, November). New synergies between research, education, and practice for health and wellbeing outcomes in the built environment. *EAAE-ARCC International Conference*, Valencia, Spain (Virtual).
- 2020 °Alhabib, G., Bernal, S., Ida, A., and **Engineer, A.** (Co-author, 20% contribution) (2020, November). Experimental tests of CAM Plants and Hydrogels for outdoor air pollutant filtration systems. Proceedings of *The 16th Conference of the International Society of Indoor Air Quality & Climate (Indoor Air 2020)*, Seoul, South Korea (Virtual).
- 2020 **Engineer, A.** (2020, April). Confluence of design and technology to promote healthy aging and longevity in older adults. *Environmental Design Research Association (EDRA51)*, Tempe, AZ (Virtual).
- 2019 **Engineer, A.**, & Sandra Bernal (2019, November). Towards a human-centered approach to art museum design. Learning from volunteers' perceptions and experiences. *Inclusive Museum Conference*, Buenos Aires, Argentina (Virtual).
- 2019 **Engineer, A.**, & Sandra Bernal (2019, June). Environmental Design Strategies to Improve Visitation in State Museums Situated in Hot, Arid Climatic Conditions in the Southwest U.S. *Shared Cultural Heritages 2: Memory, Spaces, Experiences, and Boundaries*, San Luis Potosí, Mexico (Virtual).
- 2019 **Engineer, A.**, & Sandra Bernal (2019, May). Towards a human-centered approach to art museum design. *Environmental Design Research Association (EDRA50)*, Brooklyn, NY.
- 2019 Ziegler, M., Ha, R., Kraft, A., Perez, A., Danvers, A., Mehl, M.R., Sternberg, E.M., **Engineer, A.**, Baranski, E., & Danvers, A.F. (2019, July). Predictions of job performance and cognitive constructs using a combination of individual, interpersonal and environmental sensors. *10th International Conference on Applied Human Factors and Ergonomics (AHFE 2019)*, Washington DC.
- 2019 Baranski, E., Danvers, A.F., Kraft, A., Perez, A., Ziegler, M., Lindberg, C., **Engineer, A.**, Sternberg, E.M., & Mehl, M.R. (2019, May). Personality prediction in aerospace engineers using a comprehensive sensing suite. *31st Association for Psychological Science (APS) Annual Convention*, Washington DC.

- 2018 **Engineer, A.**, Sternberg E.M., & Ida A. (2018, July). University of Arizona Institute on Place, Wellbeing, and Performance, and the Master of Science in Architecture Health & Built Environment (MS. Arch HBE) curriculum. *AIA Collaborative Research Summit, AIA Design and Health Consortium*, Minneapolis, MN.
- 2017 Sallam, A. & **Engineer, A.** (2017, November). The Hex House: A rapidly deployable, dignified home. Presenter and panelist, Shelter with Dignity workshop, *2017 AIA Minnesota Convention*, Minneapolis, MN.
- 2014 **Engineer, A.** & Bliss, A. (2014, May). [Re]Making History: Authenticity, Architecture, and Tourism. *EDRA45 Conference*, New Orleans, LA.
- 2012 **Engineer, A.** (2012, May). In the Window Seat: The Influence of Windows on Occupants' Sitting Preferences in Educational Environments. *EDRA44 Conference*, Seattle, WA.
- 2005 **Engineer, A.** (2005, May). Bright ideas: The Increasing Importance of Daylight in Museum Settings. *EDRA36 Conference*, Vancouver, Canada.

Editor-reviewed Conference Newsletter

- 2015 ***Engineer, A.** (2015, April). The art of illumination: Daylighting in museums and its implications. *EDRA Connections*, 5, 8-11.

Book Reviews

- 2017 **Engineer, A.** (2017, February 13): Olympic housing: a critical review of London 2012's Legacy. *Journal of Tourism and Cultural Change*, 15(1), 99-101.
- 2014 ***Engineer, A.** (2014, April 23). Book review: Museum architecture: A new biography (2nd ed.). *Journal of Tourism and Cultural Change*, 12(4), 1-3.

INVITED TALKS, PANELS, PRESENTATIONS, AND WORKSHOPS

KEYNOTE SPEECH

- 2019 **Engineer, A.** (2019, November). Human-centered and equitable built environments: Making an impact for health and wellbeing for all. *Second International Conference on Architecture 2019*, University of Sonora, Hermosillo, Sonora, Mexico. Theme: *Resilient Communities*.

SYMPOSIUM PANELS

- 2021 Sternberg, E.M., **Engineer, A.** (2021, October). Academic forum on COVID-19 and access to Health Services, U.S. - Mexico Bilateral Meeting for the Health of Migrants, *Binational Health Week (Semana Binacional de Salud)*, Phoenix, Arizona (Virtual).
- 2020 Sternberg, E.M., Yang, B., Li, S., Young-Jun, S., & **Engineer, A.** (2020, November). DASH-SAFE: A personal real-time risk-assessment, risk-management, navigation and automated alarm tool. *COVID-19 Symposium*, The University of Arizona Health Sciences Center (Virtual).
- 2020 Sternberg, E.M., Yang, B., Li, S., Young-Jun, S., & **Engineer, A.** (2020, September). DASH-SAFE: A Multi-Modal GIS-based Real-Time COVID Risk Assessment, Management, &

Navigation Tool. *Restruct Built Environment Research Symposium (RESTRUCT): Mid-Pandemic Adaptation*, University of Arizona, Tucson, AZ.

- 2020 Sternberg, E.M., **Engineer, A.**, & Youssef, O. (2020, October). Health and Wellbeing in the Built Environment: Intro and Wearable health: from molecules to environment (Esther M. Sternberg); Translating research into design outcomes through curriculum and research (Altaf Engineer); Virtual Reality and Human Performance (Omar Youssef). *Centre for Conscious Design (CCD) Festival*, Phoenix, AZ (Virtual).
- 2019 Youssef, O. & **Engineer, A.** (2019, December). A Comparison of Virtual Reality versus Real-life Experiences of Labyrinths to Test the Validity of Virtual Reality Simulations and their Influence on Human Performance. Invited panel by Sternberg, E.M., and Insel, K.: New Technologies for Measuring, Operating and Designing the Built Environment for Optimal Health. *RESTRUCT*, University of Arizona, Tucson, AZ.

PRESENTATIONS

- 2025 Bernal, S. & **Engineer, A.** (2025, November). Heat and Health Resilience Innovation Consortium. Poster: *Heat & Health Symposium, French American Innovation Day*, University of Arizona, Tucson.
- 2022 **Engineer, A.** (2022, April). Health and the Built Environment: Research and design considerations for pandemics and beyond. *RESTRUCT*, University of Arizona, Tucson.
- 2022 **Engineer, A.** (2022, January). Designing for health and wellbeing in the built environment: Post COVID-19 considerations and more. *Western Region Public Health Training Center (WRPHTC) Mental Health Mini-Talks (MHMT) for Public Health Professionals*, University of Arizona College of Public Health, Tucson, Arizona.
- 2022 **Engineer, A.** (2022, January). Impact of CO2 in the built environment on sleep quality and cognitive function for better individual health and wellbeing outcomes. *CAPLA Research Showcase*, University of Arizona, Tucson, AZ.
- 2021 Chen, Y., Hyde, J.N., Berryhill, A., Morton, C.J., Dean, A., **Engineer, A.**, Parthasarathy, S., Young-Jun Son, Y.J., & Sternberg, E.M. (2021, April). Development of a complementary system for 3D personal CO2 bubble visualization to improve sleep quality and cognitive performance. Poster: *Research to Innovation Showcase, BIO5 Institute*, University of Arizona, Tucson.
- 2021 **Engineer, A.** (2021, March). DASH-SAFE and DASH-Well: Two Near Real-Time Geographic Information System-Based Tools for Risk Assessment and Emotion Mapping in the Built Environment. *AIA Design & Health Research Consortium*.
- 2021 Sternberg, E.M., **Engineer, A.**, Yang, B., Li, S., Co-Is: Young-Jun Son, Y.J., & Stoker, P. (2021, March). DASH-SAFE: A Multi-Modal Geographic Information System (GIS) Dashboard for Near Real-time Mapping of Perceived COVID Risk/Safety in a Campus Environment. Poster: *2021 Integrative Medicine & Health Symposium*, University of Arizona, Tucson.
- 2021 **Engineer, A.** (2021, February). Synergies between research, education, and practice in health and wellbeing in the built environment (2021, March). *CAPLA Lecture Series*, University of Arizona, Tucson.

- 2020 **Engineer, A.**, Youssef, O., & Sternberg, E.M. (2020, January). Poster: Wearable devices to measure the impact of built environments on health. *Department of Medicine Annual Poster Session*, University of Arizona, Tucson AZ.
- 2018 **Engineer, A.** (2018, September). Health and wellbeing in the built environment: Connecting education, research, and practice. *Illinois School of Architecture, University of Illinois at Urbana-Champaign, IL.*
- 2018 **Engineer, A.**, Chambers, S., Youssef, O., & Sternberg, E.M. (2018, April). Comparison of virtual reality versus real-life experiences of labyrinths. *UA Integrative Medicine Research Initiative*, University of Arizona.
- 2017 Kampschroer, K., Sternberg, E., Gilligan, B., Lindberg, C., Canada, K., & **Engineer, A** (2017, November). Wellbuilt for Wellbeing Findings. *Army Research Lab's Human Research and Engineering Program*, Aberdeen Proving Ground, MD.

TEACHING

NEW CURRICULUM DEVELOPMENT

- 2025 **ARC 597a: Research Methods.** Required research methods course for MS.Arch and M.Arch degree students.
- 2024 **ARC 322: Human Factors in Building Technology.** Required building technology course for 3rd year B.Arch students. Co-developed with course instructor Dr. Sandra Bernal.
- 2024 **ARC 599: MS.Arch Colloquium.** Required colloquium class for MS.Arch students in their first semester.
- 2022-2023 **IIA 536: Human Aging: Current Trends in Tech. & Innovation.** Course for Innovations in Healthy Aging Certificate, UA Health Sciences Global and Online (UAHSGO).
- 2022-2024 **ARC 497b/597b: Health and Wellbeing in the Built Environment.** New UA microcampus course for Universidad Peruana de Ciencias Aplicadas (UPC), Lima, Peru, MS. Arch degree. Launched in Spring 2022, co-taught in 2023.
- 2020- Three new **Phase 3 optimized B.Arch research-based curricula** to foster 4th and 5th year undergraduate student research and engagement in critical design practice:
1. **Community Design & Action:** Improving outcomes in health and equitable resource access in Moyo, Uganda through research and design in collaboration with the NGO, Pipeline Worldwide. Co-developed with Professors Courtney Crosson (Chair), Teresa Rosano, and Laura Carr. Approved by SoA curriculum committee for AYs 2023 through 2026.
 2. **Critical Practices Laboratory:** Improving outcomes in health and equitable resource access in Moyo, Uganda through research and design in collaboration with the NGO, Pipeline Worldwide. Co-developed with Professors Christopher Trumble (Chair), Courtney Crosson, and Aletheia Ida. Approved by SoA curriculum committee for AYs 2020 through 2023.
 2. **(Meta)Physics of Light:** Advancing students' scientific, technical, and cultural understanding of light, and poetics of light in architecture. Co-developed with Professors

Laura Hollengreen (Chair), Christopher Domin, Claudia Kappl-Joy, and Jesus Robles.
Approved by SoA curriculum committee for AYs 2020 through 2026.

- 2019-2020 **ARC 321: Building Technology II.** Co-Instructor with Lecturer Valerie Lane (2019) and Damon Leverett (2020-21). Co-development of new core technology class to align with new B. Arch Technology curriculum for 3rd year B. Arch students at UA SoA.
- 2018 **Master of Science in Architecture Health and Built Environment subplan (MS. Arch HBE)**
curriculum developed with the following new/redeveloped courses:
1. **ARC 497B/597B: Health and Wellbeing in the Built Environment:** A Tour of the Senses and Beyond. Core class for MS. Arch HBE subplan/focus area. Significant revision of class originally developed and taught by Dr. Casey Lindberg. Available to graduate and upper division undergraduate students.
 2. **ARC 496D/596D: Social and Behavioral Issues in the Built Environment.** New core class for MS. Arch HBE subplan/focus area. Available to graduate and upper division undergraduate students.
 3. **ARC 496D/596D: Daylighting, Health, and Behavior.** New preferred elective class for MS. Arch HBE subplan/focus area, and elective class for graduate students and undergraduate students of advanced standing. Available to graduate and upper division undergraduate students.

COURSES TAUGHT

University of Arizona
School of architecture, CAPLA

- 2025 ARC 597a: **Research Methods.** Required research methods course for MS.Arch and M.Arch degree students.
- 2024-2025 ARC 599: **MS.Arch Colloquium.** Required colloquium class for MS.Arch students in their first semester.
- 2024 ARC 909: Masters thesis project for M.Arch students
- 2023 ARC 498/909: **Undergraduate Capstone & Masters thesis project (co-convened)**
Graduate thesis **design studio** and Undergraduate (5th year) capstone project **design studio** co-taught with Prof. Chris Trumble
- 2023-2024 ARC 497b/597b-005: **Health and Wellbeing in the Built Environment.**
UA **microcampus course** for Universidad Peruana de Ciencias Aplicadas (UPC), Lima, Peru.
Graduate design seminar co-taught with Prof. Cristina Wong.
- 2022 ARC 497/909: **Project Inquiry & Masters thesis project (co-convened)**
Graduate thesis and Undergraduate (5th year) capstone project **workshop** co-taught with Prof. Chris Trumble
- 2022 ARC 495C/599: **Critical Practices Laboratory colloquium (co-convened)**
Graduate and undergraduate (4th year) **colloquium** class for the Critical Practices Laboratory research cluster co-taught with Prof. Chris Trumble

- 2018- ARC 497b/597b-001: **Health and Wellbeing in the Built Environment**
Graduate and undergraduate (4th and 5th year) **design seminar**
- 2018- ARC 496d/596d: **Daylighting, Health, and Behavior**
Graduate and undergraduate (4th and 5th year) **design seminar**
- 2018- ARC 900: **MS. Arch Thesis Research**
ARC 909: **MS. Arch Thesis Design Project**
ARC 910: **MS. Arch Thesis Research Project**
MS. Arch Health and Built Environment (HBE), Design and Energy Conservation (DEC),
Emerging Building Technology (EBT), and Independent Research Option (IRO) focus areas
- 2019-2021 **ARC 321: Building Technology II**
Undergraduate (3rd year) **lecture and workshop** co-taught with Profs. Valerie Lane (Fall 2019)
and Damon Leverett (Fall 2020 & 2021)
- 2018-2021 ARC 496d/596d: **Social and Behavioral Issues in Built Environments**
Graduate and undergraduate (4th and 5th year) **design seminar**
- 2019 ARC 496b/596b: **The Architecture of International Expositions: Designing for Healthy People**
and a Healthy Planet – Envisioning Minnesota's Expo 2027,
Graduate and undergraduate **design seminar** co-taught with Prof. Lisa Schrenk

Arizona State University
Design School, Herberger Institute for Design and The Arts

- 2016 DSC 558: Daylighting
Graduate design seminar, students in Architecture, Interior Architecture, Interior Design, and
Industrial Design

University of Illinois at Urbana-Champaign
Illinois School of Architecture

- 2014 Arch 374: Architecture and the City
Junior design studio, section of 15 students.
- 2013 Arch 475: Institute for Glass Technology
Senior capstone design studio, section of 16 students.
- 2013 Arch 272: Pavilion, Single Family Home
Sophomore design studio, class of 108 students.
- 2012 Arch 475: The Museum of Ancient Life
Senior and Track 3 Graduate capstone design studio, section of 16 students.
- 2005 Teaching Assistant, Arch 476/562: Healthcare studio sponsored by Canon Design
Senior and Track 3 Graduate design studio, class of 18 students.

STUDENT ADVISING

Graduate Thesis Advising: Chair

	MS.Arch Health and Built Environment (HBE) focus area, ARC 900/909/910
2026	Siri Beidler. Thesis title: <i>Material Encounters of Being and Knowing. Architectural Atmosphere, Affective Experience, and Ecological Meaning</i>
2024-2025	Rabeya Tripty. Thesis title: <i>Optimizing Biophilic Connection and Interventions: Boosting Student and Staff Well Being and Performance in Schools in Tucson AZ.</i>
2023-2024	Sadia Tasnim. Thesis title: <i>Building for Tomorrow, Enhancing Existing Structures with Adaptive Architecture in the Face of Climate Change.</i>
2021-2022	Chumei Rui. Thesis title: <i>Application and evaluation of ancient fengshui principles on contemporary building designs for human health and well-being.</i>
2020-2022	Kylie Biddle. Thesis title: <i>The coworking space: Optimizing layouts for post-pandemic wellbeing.</i>
2019	Ghayda Alhabib. Thesis title: <i>Passive strategies for indoor air quality to balance energy and health in residential environments.</i>
2017-2019	Ryan Shindler. Thesis title: <i>Investing in better outcomes: The impact of daylight in the built environment.</i>
	MS.Arch Design and Energy Conservation (DEC) focus area, ARC 900/910
2023-2024	Sadia Tasnim. Thesis title: <i>Building for Tomorrow, Enhancing Existing Structures with Adaptive Architecture in the Face of Climate Change.</i>
2020-2021	Venus Abdollahi. Thesis title: <i>Adaptive Facade Design for Glare Mitigation and Outside Views in Work Environments.</i>
2021	Saleh Naseer. Thesis title: <i>Optimizing views and daylight performance to promote human comfort and learning processes in educational spaces: A Case study of a second language classroom.</i>

Graduate Thesis Advising: Committee

	MS.Arch Heritage Conservation (HC) focus area, ARC 900/910, UA SoA
2021	Abdullah Alabdullatif. Thesis title: <i>Architectural Identity in Modern Saudi Cities.</i>
	MS.Arch Design and Energy Conservation (DEC) focus area, ARC 900/910, UA SoA
2024	Ricardo Gallardo. Thesis title: <i>Relationship between the urban infrastructure and the health and wellbeing of wheelchair users.</i>
2022-2023	Ryan Maghrabi. Thesis title: <i>Investigating environmental design principles to optimize King of Saudi Arabia's unique, transformative 2030 vision.</i>
2020-2021	Saleh Naseer. Thesis title: <i>Daylighting and acoustics in learning work environments.</i>
2019	Tasbeeh Alaqtum. Thesis title: <i>A methodology to assess and mitigate daylight discomfort glare and provide views in daylit learning.</i>
2018	Elizabeth Pietrack. Thesis title: <i>Daylighting Design for Green Homes.</i>
	MS.Arch Emerging Building Technologies (EBT) focus area, ARC 900/910, UA SoA
2025-2026	Dakota Troy. Thesis title: <i>Sustainable materials & construction methods for low-cost housing.</i>
2019	Maryam Moradnejad. Thesis title: <i>Design of innovative wind-catcher systems.</i>
	MS.Arch Independent Research Option (IRO) focus area, ARC 900/909
2021-2022	Wen Xie. Thesis title: <i>Eco-efficient prototype design for refugee housing in Nogales, Sonora: A parametric approach.</i>
2018-2019	Samira Mivehchian. Thesis title: <i>Homelessness along the Sides of Tucson's Washes.</i>

2012-2014 **MS. Industrial Design Thesis Committee Member**, School of Art & Design, University of Illinois
Manqian Qian, MS. In Industrial Design. Thesis title: *Coffee shops, environmental behavior, and design*.

Undergraduate Honors Thesis Advising

2025-2026 Josselyn Hernandez, Bachelor of Arts in Design Arts & Practice, University of Arizona. *Cooling Center and Kiosk Design for Health and Health Resilience*.

2024-2025 Natalie Rawlings, College of Science, Molecular and Cellular Biology, University of Arizona. Thesis title: *Designing Recharge Rooms for Wellbeing on Campus*. Awarded a \$5,000 Honors College Exploratory Mini-Grant and \$2,950 WildCat startup funds from UA TechLaunch for this project.

2019 Koby Jargstorf, College of Public Health, University of Arizona. Thesis title: *Microgreenery in a Megacity: The Interactions Between Street Greenery and Health Outcomes in Two Cities*.

Other Undergraduate Advising

2020-2022 **4th and 5th Year B. Arch Phase 3 Advisor**
Anjali Ramohalli, SoA, CAPLA, University of Arizona. Independent Study P3, Capstone project title: *Design for Mental Health and Wellbeing in Prisons*

Independent Studies

2019 **SBE (Sustainable Built Environments) 499: Independent Study**
Crystal Ly, Senior, Neurology, College of Medicine Tucson, University of Arizona.

2019 **NSCS (Neuroscience and Cognitive Science) 492H-343: Honors Directed Research**
Crystal Ly, Junior, Neurology, College of Medicine Tucson, University of Arizona.

Internship Supervision

2024-2025 **Preceptor+Internship Supervisor**
Laurel Stempack, Master of Public Health Candidate, Mel & Enid Zuckerman College of Public Health, University of Arizona.

2023-2024 Erin Driver, Master of Public Health Candidate, Mel & Enid Zuckerman College of Public Health, University of Arizona. Co-supervisor with Assistant Professor Wooyoung Jung.

2020-2021 Beth Kramer, Master of Public Health Candidate, Mel & Enid Zuckerman College of Public Health, University of Arizona.

2018-2019 Julia Duken, Bachelor of Public Health Candidate, Mel & Enid Zuckerman College of Public Health, University of Arizona.

PEER-REVIEWED STUDENT ADVISEE AWARDS

2025 **Startup Wildcats Award, UA Tech Launch. Amount: \$2,950.** Natalie Rawlings, College of Science, Molecular and Cellular Biology, University of Arizona. Thesis Project title: *Designing Recharge Rooms for Wellbeing on Campus*.

- 2024 **W.A. Franke Honors College Exploratory Mini-Grant Award. Amount: \$5,000.** Natalie Rawlings, College of Science, Molecular and Cellular Biology, University of Arizona. Thesis Project title: *Designing Recharge Rooms for Wellbeing on Campus*.
- 2023 **Design Excellence Award**, Capstone (5th Year) Design Studio by SoA CAPLA in partnership with AIA Southern Arizona. *Critical Practices Laboratory: Studio Moyo*. Awarded to entire studio of 12 undergraduate and 8 graduate architecture students.
- 2020 **Architectural Research Colleges Consortium (ARCC) Kings Medal Award for Excellence in Design + Environmental Behavior Research.** Ghayda Alhabib, MS.Arch HBE Candidate and Student Advisee: 2019 -2020.
- 2018-2019 **The American Institute of Architects' Academy of Architecture for Health 2018-2019 AIA Arthur N. Tuttle, Jr. Graduate Fellow in Health Facility Planning and Design. Amount: \$14,500.** Ryan Shindler, MS.Arch HBE Candidate and Student Advisee: 2018 -2019.
- 2019-2020 **UA Honors Spirit of Inquiry Research Award.** Koby Jargstorf, Honors student, College of Public Health. Honors thesis advisee: 2019-2020.

SERVICE

NATIONAL AND INTERNATIONAL

- 2026 **External Reviewer for Promotion and Tenure**, University of Utah College of Architecture + Planning
- 2024-2025 **Review committee member and Sessions Moderator**, 113th Association of Collegiate Schools of Architecture (ACSA) Annual Meeting. Annual meeting theme: *Repair* with focus on health and healing in social, cultural, and ecological environments.
- 2024 **Grant Reviewer**, Arizona Alzheimer's Consortium grant proposals.
- 2020-2023 **Book proposal referee**, Fairchild Books, a division of Bloomsbury Publishing, Inc.
- 2020-2021 **Peer reviewer**, conference abstract and paper submissions, *Architectural Research Centers Consortium (ARCC) 2021: Performative Environments*, Tucson, AZ
- 2020 **Research Consultant**, Our Lady of the Wayside School Arlington Heights, IL, student team for City Shaper Challenge competition. *Research project on workplace lighting for better mental health*. Award won, for Core Values and Teamwork.
- 2019 **Peer reviewer**, *International Journal of Experimental, Clinical, Behavioral and Technological Gerontology (Gerontology)*, Karger Publishers
- 2018 **Book proposal referee**, Routledge Research in Architecture Academic Monograph series
- 2015-2016 **Peer reviewer**, conference abstract and paper submissions, *Environmental Design Research Association Conference (EDRA) 2016*, Raleigh NC
- 2014 **Associate editor and referee**, *International Journal of the Constructed Environment*, Common Ground Publishers

UNIVERSITY

Leadership

2025-	Faculty Senator , CAPLA, University of Arizona
2022-2023	Director, RESTRUCT: Built Environment Research initiative , University of Arizona
2017	Co-leader, Strategic Planning Focus Group for Built Environment and Human Health , UA Institute of Energy Solutions

Committee Membership

2022-2023	University of Arizona Undergraduate Research Task Force
2021-2023	Research Advisory Working Group for the Innovations in Healthy Aging (IHA) , a UA Health Sciences (UAHS) strategic collaboration at the University of Arizona; a network of faculty and researchers who work, teach, or perform research in the aging space. Supported by the UAHS Strategic Initiative 3.3.
2019-2021	University of Arizona Center for Integrative Medicine (UA CIM) Committee for new UA CIM building programming + post-COVID-19 design
2019-2021	UA Graduate Interdisciplinary Programs (GIDP) Gerontology graduate degree program working group
2019	Advisory Committee, UA Health Science strategic plan initiative 5.1: Tech. solutions for health - Design of a closed-loop sensor lab in the UAHS Library.
2019	University of Arizona Planning, Design, and Construction Search Committee for architecture firm and statements of qualifications review, new UA Center for Integrative Medicine building
2019	University of Arizona Human Performance Network
2019	Advisory Committee, UA Health Science strategic plan initiative 3.3: Next Generation Model for Healthy Aging. Working Group: Safe and Smart Living Environments.
2018	UA Strategic Planning Committee on Health
2018	UA Integrative Medicine Research Initiative Workshop

COLLEGE

Leadership

2025-2026	Interim Director , November 24, 2025, through May 24, 2026, Drachman Institute , CAPLA, University of Arizona
2024-2025	Chair, CAPLA College Curriculum Committee.
2018	Chair , Search committee for UA IPWP Postdoctoral Research Associate
2018-2019	Co-chair, CAPLA Diversity and Inclusive Excellence Committee

Committee Membership

2026	CAPLA Constitution and Bylaws Subcommittee
2025	College Community Committee
2024-2025	Foundation Studio Working Group
2024	Faculty Status Committee , College, faculty promotion package review
2024	CAPLA Strategic Planning Subcommittee: A New Pedagogy for a New Era
2023-	CAPLA College Curriculum Committee.
2023	CAPLA First-Generation Alliance
2023	Emerging Faculty Fellowship (Visiting Professor Position) Search Committee
2019-2021	Architectural Research Centers Consortium (ARCC) Conference Organizing Committee
2019-2022	CAPLA Equity, Diversity, and Inclusive Excellence Committee
2019	CAPLA Course Design Specialist Search Committee
2018	CAPLA Doctoral Programs Task Force
2018	CAPLA Strategic Planning Research Advisory Group

SCHOOL

Leadership

2022-2025	Director of Graduate Studies, Master of Science in Architecture (M.S.Arch) degree program, UA SoA, CAPLA
2024-2025	Program Advisory Committee (Program Chairs + School Director), UA SoA, CAPLA
2024	Interim Director of Graduate Studies, Fall semester, Master of Architecture (M.Arch) degree program, UA SoA, CAPLA
2020-	Faculty Advisor , M.S.Arch. in Health and the Built Environment (HBE) focus area, UA SoA, CAPLA
2019-2020	UA School of Architecture Liaison , The National Organization of Minority Architects (NOMAarizona)
2017-2020	Program Chair , M.S.Arch. in Health and the Built Environment (HBE) subplan at the UA SoA, CAPLA
2017- 2024	Organizational Affiliate and Liaison , AIA – ACSA Design & Health Research Consortium
2017-2023	UA School of Architecture Liaison , Architectural Research Centers Consortium (ARCC)

Committee Membership

2022	Search Committee, SoA Program Coordinator
2020-	MS. Arch Faculty Committee and Admissions
2019-2021	Architectural Research Centers Consortium (ARCC) Conference Organizing Committee for <i>ARCC 2021: Performative Environments</i> (Virtual Conference) and Exhibition Curator
2019	Search Committee, SoA Program Coordinator
2017-2020	Graduate Executive Committee
2017-2023	Technology Stream Committee

Other

2017-	Design Critic & Guest Lecturer , UA SoA, CAPLA graduate and undergraduate programs
2015-2016	Design Critic , Undergraduate and graduate design studios in the Design School, ASU Herberger Institute for Design and the Arts
2011-2014	Design Critic , undergraduate and graduate design studios in the School of Architecture, School of Art and Design, and Department of Landscape, University of Illinois at Urbana-Champaign
2017-2018	Lead website developer , IPWP website, University of Arizona
2013-2014	Co-founder, PhD Lecture Series: Erlanger Evenings, 2013 – 2014, School of Architecture, University of Illinois at Urbana-Champaign

SELECTED MEDIA COVERAGE

TELEVISION

2022	Shaheen, P. (2022, March). University of Arizona professors working to bring 2027 world fair to Minnesota. <i>KGUN9</i> , Local News, ABC, Tucson. https://www.kgun9.com/news/local-news/university-of-arizona-professors-working-to-bring-2027-world-fair-to-minnesota
2020	Paniagua, T. (April 10, 2020). Businesses adapt to the pandemic, help for displaced workers. <i>Arizona 360, PBS 6, Arizona Public Media (AZPM)</i> . https://playpbs.azpm.org/video/businesses-adapt-to-the-pandemic-help-for-displaced-workers-9rq6pe/

RADIO

2024	Perkins, T. (2024, August 30). How the design of places where we live and work affects our physical and mental well-being. <i>Arizona Science, NPR AZPM (89.1 FM, Tucson/91.5 FM, Phoenix)</i> . https://originals.azpm.org/p/radio-azscience/2024/8/30/221606-how-the-design-of-places-where-we-live-and-work-affects-our-physical-and-mental-well-being
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- 2021 Goldstein, S (2021, September 15). UA professors redesigning the office to be a 'healing space'. *The Show, KJZZ Radio (89.9 FM, Tucson/91.5 FM, Phoenix)*. <https://kjzz.org/content/1717310/ua-professors-redesigning-office-be-healing-space>

NEWSPAPER (PRINT+DIGITAL)

- 2017 Mace, M. (2017, December 22). UA professor/Engineer focuses on architecture's impact on humans. *Arizona Daily Star*. http://tucson.com/news/university-of-arizona-professor-engineer-focuses-on-architecture-s-impact/article_a00f5ed5-9c4d-5e50-8145-0e3aa1ed2736.html

DIGITAL

- 2025 Villarrea, P. (2023, October 9). A collective approach to help vulnerable people survive extreme heat. *U of A Office of Research and Partnerships*, University of Arizona. <https://research.arizona.edu/news/collective-approach-help-vulnerable-people-survive-extreme-heat>
- 2023 Litvak et al. (2023, December 1). Building for Better Health. *Data Connects Us*, University of Arizona. <https://research.arizona.edu/about/magazines/data-connects-us>
- 2021 Mittan, K. (2023, March 22). Here's how to optimize your workspace sound and overall comfort. *UA@Work, Lo Que Pasa*. <https://uaatwork.arizona.edu/lqp/heres-how-optimize-your-workspace-sound-and-overall-comfort>
- 2021 Bauza, M (2021, November 2). Tomorrow is here: Improving life for an aging population. *The University of Arizona Health Sciences*. <https://uahs.arizona.edu/tomorrow/improving-life-aging-population>
- 2021 Mittan, K. (2021, August 31). UAArizona experts: In wake of COVID-19, employers must make offices healing spaces. *UA News*. <https://news.arizona.edu/story/uarizona-experts-wake-covid-19-employers-must-make-offices-healing-spaces>
- 2020 Sternberg, E.M. and Engineer, A. (2021, March 23). Is COVID-19 making you stay at home? Turn your home into a healing space. *UA News*. <https://uanews.arizona.edu/story/covid19-making-you-stay-home-turn-your-home-healing-space>
- 2017 Pigott, S. (2017, December 4). UA architect aims to build a better world. *Lo Que Pasa*. <https://uaatwork.arizona.edu/lqp/ua-architect-aims-build-better-world>
- 2017 Dalton, M. (2017, November 14). 7 inspiring solutions for disaster relief housing. *Dwell*. <https://www.dwell.com/article/7-inspiring-solutions-for-disaster-relief-housing-c2ec6783>
- 2016 McKnight, J. (2016, April 14). Architects For Society designs low-cost hexagonal shelter for refugees. *Dezeen*. <http://www.dezeen.com/2016/04/14/architects-for-society-low-cost-hexagonal-shelter-housing-refugees-crisis-humanitarian-architecture/>
- 2016 Peters, A. and Cole, J. (2016, November 21). The future of neighborhoods: Five projects that show how we'll live. *Fast Company*. <https://www.fastcoexist.com/3065412/fast-cities/the-future-of-neighborhoods-five-projects-that-show-how-well-live>
- 2016 Millette, M. (2016, July 15). Can design offer solutions for the refugee crisis? *2016 Core77 Conference*. <http://www.core77.com/posts/54596/Can-Design-Offer-Solutions-for-the-Refugee-Crisis?platform=hootsuite>

MEMBERSHIPS

2025	American Institute of Architects (AIA)
2008-	U.S. Green Building Council
2015-2022	Environmental Design Research Association (EDRA)
2017-2019	National Council of Architectural Registration Boards (NCARB)
2005-2018	Council of Architecture, India