

# Case M. Lindberg, Ph.D., M.Arch.

Casey.lindberg@colorado.edu

## BIO

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With over 20 years of research experience, Dr. Lindberg has committed the last decade to the scientific intersection of design and health. He holds a Ph.D. in psychology and a Master of Education from Stanford, as well as a Master of Architecture from the University of Colorado Denver. His expertise spans research methods, including physiological and environmental sensing techniques.

Dr. Lindberg is dedicated to translating scientific, human-centered insights to design through the education of emerging designers. He has developed design curriculum for health and wellbeing for multiple universities, including University of Arizona's Institute on Place, Wellbeing, and Performance.

Through his work for the international architecture firm HKS, Inc., he contributes design research and strategy to workplace, retail, and campus space typologies. He has published academically in several fields, including medicine, design, psychology, and environmental conditions, and his work has been covered by media outlets such as ABC News, the BBC, Metropolis, FastCo, and Vogue. He has spoken at many national and international conferences, including Greenbuild, ULI, AIA, and the National Institutes of Health, and currently serves as research advisor to the International WELL Building Institute.

## POSITIONS

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Teaching Professor  
2023-

**University of Colorado Boulder**  
Environmental Design

Casey Lindberg, LLC  
2023-

**Founder**  
Design research and strategy consulting

HKS, Inc.  
2018-

**Senior Design Researcher**  
Commercial Interiors embedded researcher (2021-)

University of Arizona 2018-2021	<b>Designated Campus Colleague, Associate Professor</b> University of Arizona, School of Architecture
University of Arizona 2015-2018	<b>Postdoctoral Research Associate</b> Institute on Place, Wellbeing & Performance College of Architecture, Planning, and Landscape Architecture College of Medicine Advisors: Esther Sternberg & Brooks Jeffery

## EDUCATION

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University of Colorado Denver 2013	<b>M.Arch.</b> , <i>Tau Sigma Delta</i>
Stanford University 2010	<b>Ph.D.</b> , Psychology Dissertation: <i>Learning from the Positivity Effect: Informed and Motivated Behavior Change</i> Committee: Laura Carstensen (chair), Jeanne Tsai, Carol Dweck, David Labaree, & Al Bandura
Stanford University 2008	<b>M.A.</b> , Education Advisor: David Labaree
University of Michigan 2003	<b>B.S.</b> , Biopsychology and Cognitive Science, <i>Highest Honors</i> Thesis: <i>Socio-Emotional Perception</i> Advisors: Patricia Reuter-Lorenz, Barbara Fredrickson, & Denise Park

## CURRENT EXTERNAL-FACING RESEARCH PROJECTS

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*BrainHealth*: Designing for peak performance and wellbeing in a flexible work ecosystem  
**HKS collaborators**: Commercial Interiors, Talent, JEDI (Justice, Equity, Diversity, & Inclusion)  
**External collaborators**: Center for BrainHealth (University of Texas at Dallas)

*From Temporary to Transformative: Work from Home Research Insights*

**HKS collaborators:** Commercial Interiors, Place Performance (Advisory), JEDI (Justice, Equity, Diversity, & Inclusion)

*The Future of Work: Beyond the 4<sup>th</sup> Dimension*

**HKS collaborators:** Commercial Interiors, Place Performance (Advisory), JEDI (Justice, Equity, Diversity, & Inclusion), Human Resources

*HKS Living Labs*

**HKS collaborators:** Design Green, Commercial Interiors, JEDI (Justice, Equity, Diversity, & Inclusion), Human Resources

*UCSD North Torrey Pines Live Learn Neighborhood*

**HKS collaborators:** Design Green, Education sector

**UCSD collaborators:** Department of Neuroscience, Sixth College

*Wellbuilt for Wellbeing (WB2): How the indoor environment affects physiological and psychological wellbeing: An on-site sensor study with the General Services Administration*

**University of Arizona Collaborators:** INSITE Big Data Analytics; iCAMP physiological team; College of Architecture, Planning, and Landscape Architecture, Department of Psychology

**Other Collaborators:** Aclima Inc. (IEQ sensing company); US General Services Administration; Center for the Built Environment (UC Berkeley)

*Rapid Automatic & Adaptive Model for Performance Prediction (RAAMP2): How the indoor environment and other behaviors passively predict performance, part of IARPA's Multimodal Objective Sensing to Assess Individuals with Context (MOSAIC) program (IARPA BAA-16-10). <https://osf.io/9e86j/>*

**University of Arizona Collaborators:** College of Architecture, Planning, and Landscape Architecture, Department of Psychology

**Other Collaborators:** Lockheed Martin Advanced Technology Laboratories

## SELECTED PUBLICATIONS

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Lindberg, C. *Considering Users' Personalities*. In Augustin, S. & Oseland, N. (Eds.) (in preparation). *The Science of People and Office Design: Planning for Thinking, Discussing, and Achieving*.

- Kraft, A., Danvers, A., Perez, A., Notaro, G., Baranski, E., Galego, B., Vetesi, F., Collins, G., Widjaja, M., Alexander, W., Lindberg, C., Engineer, A., Sternberg, E., Mehl, M., Ziegler, M. (under review) Longitudinal Multi-Sensor Physiological and Environmental Data of Corporate Employees.
- Lee, H., Razjouyan, J., Lindberg, C., et al. (under review). Sensor-based sleep quality index: a new metric to examine the association between office designs and sleep quality.
- Hyde, J., Runyon, J., Engineer, A., Kramer, B., Lindberg, C., & Sternberg, E. *Wearable Technologies in the Workplace: Sensing to Create Responsive Industrial and Occupational Environments Optimized for Health*. In M. Mehl, M. Eid, C. Wrzus, G. Harari, & U. Ebner-Priemer (Eds.) (2023). *Handbook of mobile sensing in psychology: Methods and applications*. Guilford Press: New York, NY.
- Srinivasan, K., Currim, F., Ram, Lindberg, C., Gilligan, B., Lee, H., Canada, Goebel, N., Mehl, M., Lunden, M., Heerwagen, J. Najafi, B., Sternberg, E., Kampschroer, K., & Ram, S. (2023). Discovery of associative patterns between workplace sound level and physiological wellbeing using wearable devices and empirical Bayes modeling. *Nature Digital Medicine*.
- Davis, K., Fallon, E., & Lindberg, C. (2023) The Great Upgrade: Why human performance metrics will drive the future of the workplace. *Corporate Real Estate Journal*, 12 (2), 142-150.
- Baranski, E., Lindberg, C., Gilligan, Fisher, J., Canada, K., Heerwagen, J., Kampschroer, K., Sternberg, E., & Mehl, M. (2023). Personality, Workstation Type, Task Focus, and Happiness in the Workplace. *Journal of Research in Personality*. doi.org/10.1016/j.jrp.2022.104337
- Goel, R., Pham, A., Lindberg, C., Gilligan, B., Mehl, M., Heerwagen, J., Kampschroer, K., Sternberg, E., & Najafi, B. (2021). Effect of workstation type on the relationship between fatigue, physical activity, stress, and sleep. *Occupational and Environmental Medicine*. doi: 10.1097/JOM.0000000000002108.
- Razjouyan, J., Lee, H., Gilligan, B., Lindberg, C., et al. (2019). Wellbuilt for wellbeing: Controlling relative humidity in the workplace matters for our health. *Indoor Air*. <https://doi.org/10.1111/ina.12618>.

- Ghahramani, A., Pantelic, J., Lindberg, C., Gilligan, B., & Arens, E. (2018) Learning occupants' interactions from wearable and stationary ambient sensing systems. *Applied Energy*. doi:10.1016/j.apenergy.2018.08.096.
- Lindberg, C., Srinivasan, K., Gilligan, M, et al. (2018). Effects of office workstation type on physical activity and stress. *Occupational and Environmental Medicine*. doi: 10.1136/oemed-2018-105077.
- Chambers, S., Jacobs, J., & Lindberg C. (2018). Labyrinth: Identifying PTSD stressors in the built space of Zaatari and Calais Refugee camps. *The Professional Geographer*, 1-14.
- Lindberg, C., Banasiak, M., & Sternberg, E. (2017). Place and wellbeing: The next frontier of integrative preventive medicine. In Caromona, R. & Liponis, M. (Eds.), *Integrative Preventive Medicine*. Oxford University Press.
- Lindberg, C., Banasiak, M., & Tran, D. (2016). Individual differences in the office: The interaction of personality factors and workplace enclosure. *Journal of Architecture and Planning Research*, 33:2 (105-120).
- Lindberg, C. (2010). *Learning from the Positivity Effect: Informed and motivated behavior change*. Dissertation available at: <http://purl.stanford.edu/mz597dx0387>
- Lindberg, C., Carstensen, E. L., & Carstensen, L. L. (2008). Lifelong learning and technology. Prepared for the National Research Council's Committee on Learning Science in Informal Environments. Washington, DC: National Academies Press.
- Ram, N., Morelli, S., Lindberg, C., & Carstensen, L. (2008). From static to dynamic. The ongoing dialectic about human development. In K. W. Schaie & R. P. Abeles (Eds.), *Social structures and aging individuals: Continuing challenges*. Mahwah, NJ: Lawrence Erlbaum.
- Lindberg, C., & Carstensen, L. (2007). Emotions and emotional stability. In W. S. Markides (Ed.), *Encyclopedia of Health and Aging* (pp. 190-192). Thousand Oaks, CA: Sage Publications.
- Mikels, J., Fredrickson, L., Larkin, G., Lindberg, C., Maglio, S., & Reuter-Lorenz, P. (2005). Emotional category data on images from the International Affective Picture System. *Behavior Research Methods*, 37, 626–630.

Ersner-Hershfield, H., Rice, C., Lindberg, C., & Carstensen, L. (2005). The good, the bad, and the poignant. *Aging Today*, XXVI, 7-8.

#### SELECTED CONFERENCE PAPERS AND PRESENTATIONS

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Lindberg, C., Allen, B., Tucker, T., & Alvarez, J. *Advocating for Mental Wellbeing as a Critical Concern Within the Industry*. Panel: Advancing Data Center Construction. Kansas City, November 2023.

Lindberg, C., Fallon, E., & Zientz, J. *Are We Addicted to Our Workstations?* CoreNet Global. Denver, October 2023.

Gilligan, B., Lindberg, C., Sternberg, E., & Kampschroer, K. *Impacts of Personality, Office Layout and Sound on Focus and Wellbeing*. Greenbuild International, D.C., September 2023.

Kampschroer, K., Sternberg, E., Lindberg C., & Gilligan, B. *Wellbuilt for Wellbeing*. National Academies, Science Engineering and Medicine. August 2023.

Lindberg, C., Karasahin, M., Smith, T., Austin, W., & Loder, A. *Does Technology make us healthier in buildings? Opportunities and Challenges at the intersection of climate change and human health*. International WELL Building Institute Webcast Panel, November 2022.

Lindberg, C., Gilligan, B., Keable, E., & Augustin, S. *Research Tools: What You Need To Know Now!* NeoCon, Chicago, October 2021.

Lindberg, C., Brower, T., & Brink, E. Design Forum Panel Keynote: *The Future of Work*. Lean Construction Institute. May 2021.

Chmielewski, E., Lindberg, C., et al. *Behind the Curtain: The Latest in Practice-Based Research, Year One*. EDRA, Detroit, May 2021.

Hoelting, M, Soleimani, B, Oren, E., Lindberg, C., & Nanda, U. *Social Health on a College Campus: What We Learnt from COVID*. EDRA, Detroit, May 2021.

Kolstead, J, Lindberg C., Clark, C., Ramer, A., & Smith, R. *MetaDesign: Ford Think Tank on the Future of Design*. Keynote: Interior Design Educators Council Annual Conference, March 2021.

Lindberg, C. *Measuring human impact*. How Denver is Shaping Health, Conscious Cities Denver Webinar, October 2020.

Lindberg, C., Wingler, D., Renner, K., & Nanda, U. *Occupancy Outcomes: Why the project begins after occupancy, and why tracking outcomes is imperative*. IFMA Webinar, April 2020.

Lindberg, C. & Gray, W. *The Living Lab: A Design Framework*. EDRA, Brooklyn, May 2019

Lindberg C. *Uncovering the relationships between Health and our Environment with HKS*. Urban Land Institute, Asia Pacific Thought Leadership Webinar Series: April 16, 2019.

Lindberg, C. *Health and wellbeing in the workplace*. Presented at the TTI Vanguard: IoT, Data, and the New Last Mile. Berkeley, California, March 2019.

Lindberg, C. *Happy Hour with Human Behaviour Design Expert Casey Lindberg*. Women's Urban Land Institute, Singapore, September 26, 2018

Lindberg, C. & Gilligan, B. *Wellbuilt for Wellbeing: Using sensors and surveys to explore the indoor environment and health*. Presented at the Academy of Neuroscience for Architecture Conference, at the Salk Institute for Biological Studies, La Jolla, California, September, 2018.

Gilligan, B., Lindberg, C., Canada, K., & Najafi. *Exploring the Influence of Relative Humidity on Human Health in Buildings*. Presented at the 15th Conference of the International Society of Indoor Air Quality & Climate (ISIAQ), Philadelphia, PA, Jul 22-27, 2018.

Ghahramani, A., Pantelic, J., Lindberg, C., & Gilligan, B. *Learning Building Occupants' Social Interactions from Wearable and Fixed Ambient Sensing Systems*. Presented at the 15th Conference of the International Society of Indoor Air Quality & Climate (ISIAQ), Philadelphia, PA, Jul 22-27, 2018.

Lindberg, C., & Sternberg, E. *Identifying Environmental Conditions to Predict Office Worker Performance and Health Using Non-invasive Sensors*. Presented at the 9th International Conference on Applied Human Factors and Ergonomics: Neuroergonomics & Cognitive Engineering, Orlando, FL, Jul 22-26, 2018.

- Lindberg, C., & Gilligan, B., Canada, K., Mehl, M., Heerwagen, J., & Sternberg, E. *Personality and the workplace: How wellbeing outcomes are impacted by extraversion, neuroticism and workstation type*. Presented at the National Institutes of Health, Health in Buildings Roundtable (HiBR), Bethesda, MD, Jul 19-20, 2018.
- Lindberg, C., & Steverson, B. *Putting building policies into practice to improve health: Office environments*. Presented at the National Institutes of Health, Health in Buildings Roundtable (HiBR), Bethesda, MD, Jul 19, 2018.
- Lindberg, C. *Experiences in evidence-based design research*. Presented at the Boulder Associates Architects Second Fridays Series, Boulder, CO, Jun 27, 2018.
- Sternberg, E., Lindberg, C., Figueiro, M., & Kampschroer, K. *Physical Work Environments and Individual Health Outcomes*. Presented at the Center for Disease Control's Design for Health Webinar series, Feb 28, 2018.
- Gilligan, B. & Lindberg, C. *Wellbuilt for Wellbeing Findings on Relative Humidity*. Presented at the WB2 Subject Matter Expert Webinar series, Dec 15, 2017.
- Srinivasan, K., Currim, F., Ram, S., Lindberg, C., Sternberg, E., Skeath, P., Najafi, B., Razjouyan, J., Lee, H., Herzl, D., Herzl, R., Lunden, M., Goebel, N., Andrews, S., Mehl, M., Gilligan, B., Heerwagen, J., Kampschroer, K., & Canada, K. *Using Digital Health Wearable Devices to Understand the Relationship Between Sound levels and Wellbeing: A Segmented Mixed-effects Regression Approach*. Presented at the Seventeenth Annual Workshop on Information Technology, Seoul, Dec 14-15, 2017.
- Sternberg, E., Lindberg, C., Figueiro, M., & Kampschroer, K. *Creating an Evidence-based Framework for Health in Buildings*. Presented at the Greenbuild International Conference, Boston, Nov 9, 2017.
- Kampschroer, K., Sternberg, E., Gilligan, B., Lindberg, C., Canada, K., & Engineer, A. *Wellbuilt for Wellbeing Findings*. Presented at a briefing of the Army Research Lab's Human Research and Engineering Program, Aberdeen Proving Ground, MD, Nov 2, 2017.
- Sternberg, E., Lindberg, C., & Canada, K. *Lessons Learned from the Wellbuilt for Wellbeing Study*. Presented at the IARPA-MOSAIC site visit, Lockheed Martin, Human Systems and Autonomy Division, Arlington, VA, Nov 1, 2017.



- Gilligan, B., Lindberg, C., & Canada, K. *WB2: Major Findings and Next Steps*. Presented at the US General Services Administration Stakeholder Webinar Briefing, Oct 18, 2017.
- Gilligan, B., Lindberg, C., & Canada, K. *Overview of findings from the Wellbuilt for Wellbeing Project*. Presented at the General Services Administration Office of Federal High-Performance Buildings' First Annual Building and Health Workshop, Washington DC, Sep 12-13, 2017.
- Gilligan, B., Lindberg, C., & Canada, K. *WB2: Major Findings and Next Steps*. Presented at the US General Services Administration Subject Matter Expert Webinar Series, Aug 24, 2017.
- Gilligan, B., Sternberg E., & Lindberg, C. *Health and Wellbeing in GSA Office Buildings and Beyond*. Presented at the American Institute of Architects Conference Proceedings, Orlando, FL, Apr 27, 2017.
- Canada, K., Gilligan, B., & Lindberg, C. *WB2: Indoor Environmental Quality Results*. Presented at the National Institutes of Health Office of Extramural Research Briefing, Apr 21, 2017.
- Lindberg, C., Kampschroer, K., Sternberg, E., Gilligan, B., & Canada, K. *Wellbuilt for Wellbeing: Overview of Results and Next Steps*. Presented at the National Institutes of Health Office of Extramural Research Briefing, Feb 10, 2017.
- Lindberg, C. *Research Methods*. Presented at the University of Arizona College of Architecture, Planning, and Landscape Architecture Research Workshop Series, Tucson, AZ, Jan 27, 2017.
- Lindberg, C., & Srinivasan, K. *Wellbuilt for Wellbeing Project*. Presented at the General Services Administration Stakeholder Briefings, Tucson, AZ, Dec 19-20, 2016.
- Sternberg, E., Skeath, P., Jia, M., Runyon, R., & Lindberg, C. *Real-time Tracking of Human Physiological, Psychological, & Behavioral Responses to the Built Environment*. Presented at the BIO5 Workshop on Biomedical Wearables, University of Arizona, Tucson, AZ, Aug 12, 2016.
- Sternberg, E., Lindberg, C., & Youssef, O. *University of Arizona Institute on Place and Wellbeing – Instantiating Place and Wellbeing into Research, Practice, Design Tools*,

*and Education*. Presented at the American Institute of Architects Conference, Architect Live Proceedings, Philadelphia, PA., May 21, 2016.

Gilligan, B., Lindberg, C., & Herzl, R. *Health and Wellbeing in GSA Office Buildings and Beyond*. Presented at the American Institute of Architects Conference Proceedings, Philadelphia, PA., May 19, 2016.

Srinivasan, K., Currim, F., Ram, S., Lindberg, C., Sternberg, E., Skeath, P., Najafi, B., Razjouyan, J., Lee, H., Foe-Parker, C., Goebel, N., Herzl, R., Mehl, M., Gilligan, B., Heerwagen, J., Kampschroer, K., Canada, K. *Feature Importance and Predictive Modeling for Multi-source Healthcare Data with Missing Values*. Presented at the ACM Conference on Digital Health, Montreal, Canada, April 11-13, 2016.

Lindberg, C., Currim, F., Najafi, B., Mehl, M., & Srinivasan, K. *Wellbuilt for Wellbeing Project*. Presented at the General Services Administration Stakeholder and Advisory Committee Briefings, Tucson, AZ, Mar 17-18, 2016.

Razjouyan, R., Lee, H., Burton, A., Najafi, B., Sternberg, E., Skeath, P., Lindberg, C., Ram, S., Currim, F., Srinivasan, K., Mehl, M., Herzl, R., Goebel, N., Foe-Parker, C., Kampschroer, K., Heerwagen, J., Gilligan, B., Canada, K., Saha, P. *Utilizing Physiological Measures from Wearable Sensor to Accurately Estimate Wear-time*. Presented at the IEEE International Conference on Biomedical and Health Informatics, Las Vegas, NV, Feb 24-27, 2016.

Razjouyan, R., Lee, H., Burton, A., Najafi, B., Sternberg, E., Skeath, P., Lindberg, C., Ram, S., Currim, F., Srinivasan, K., Mehl, M., Herzl, R., Goebel, N., Foe-Parker, C., Kampschroer, K., Heerwagen, J., Gilligan, B., Canada, K., Saha, P. *Assessing the Effect of Well-Designed Buildings on the Activity Pattern of Employees*. Presented at the 2016 IEEE International Conference on Biomedical and Health Informatics, Las Vegas, NV, Feb 24-27, 2016.

Lindberg, C., & Esther, S. *Wellbuilt for Wellbeing Executive Summary*. Presented at the General Services Administration Stakeholder Briefings, Washington DC, Dec 17-18, 2015.

Lindberg, C., Gilligan, B., & Kampschroer, K. *Wellbuilt for Wellbeing and the NIH*. Presented at the Office of Behavioral and Social Sciences Research Briefing, National Institutes of Health, Bethesda, MD., Dec 2, 2015.

- Lindberg, C. *Emerging methods: Unobtrusive real-time simultaneous human performance & environmental monitoring*. Presented at From Data to Design: Implementing Evidence Based Practices to Optimize Health in Buildings Conference Proceedings – National Institutes of Health, Health in Buildings Roundtable (HiBR), Bethesda, MD., Dec 1, 2015.
- Banasiak, M., Lindberg, C., & Green, B. *The workplace as laboratory: An in situ interdisciplinary design for studying restorative workplace distractions*. Presented at the Environmental Design Research Association (EDRA46) Conference Proceedings, Los Angeles, CA., May 27-30, 2015.
- Lindberg, C, Banasiak, M., & Green, B. *Individual differences in the workplace. An international survey of distractions and enclosure*. Presented at the Environmental Design Research Association (EDRA46) Conference Proceedings, Los Angeles, CA., May 27-30, 2015.
- Sternberg, E., Lindberg, C., Youssef, O., & Jeffery, B. *Opportunities for Collaborative Research*. Presented at the Banner Medical Stakeholders Meeting, Institute on Place and Wellbeing, Tucson, Apr 29, 2015.
- Gilligan, B., Steverson, B., Lindberg, C., & Herzl, R. *Introducing Wellbuilt for Wellbeing*. Presented at the US General Services Administration Stakeholder lectures, Washington DC, Mar 31-Apr 2, 2015.
- Lindberg, C., & Youssef, O. *Ongoing Research at the Institute on Place and Wellbeing*. Presented at the University of Arizona President's Club Lecture & Expo, Tucson, AZ, Mar 25, 2015.
- Banasiak, M., Lindberg, C., Green, B., & Berman, M. *In search of beneficial distractions: exploring restorative environmental in workplace design*. Presented at the Academy of Neuroscience for Architecture Conference Proceedings, San Diego, CA., Sep 18-19, 2014.
- Lindberg, C., & Banasiak, M. *Individual Differences as Moderators for Workspace Design and Well-being*. Presented at the Academy of Neuroscience for Architecture Conference Proceedings, San Diego, CA., Sep 20-22, 2012.
- Lindberg, C., & Carstensen, L. *Completing the International Affective Picture Set: Adding new images and providing emotional ratings from middle-aged and older*

*adults*. Presented at the annual meeting of the Gerontological Society of America, San Francisco, CA, Nov 16-20, 2007.

Fairbank, S., & Lindberg, C. *Age differences in memory performance resulting from self-theory manipulation*. Presented at the annual meeting of the Gerontological Society of America, San Francisco, CA, Nov 16-20, 2007.

Lindberg, C., Carstensen, L., Mikels, J., & Tsai, J. *Age differences in memory for emotional stimuli: Can the dimension of arousal inform the positivity effect?* Presented at the Society for Personality and Social Psychology Annual Conference, New Orleans, LA., Jan 20-22, 2005.

Larkin, G., Mikels, J., Lindberg, C., Fredrickson, B., & Reuter-Lorenz, P. *Finding categories in dimensions: Behavioral and psychophysiological insights for an integrative account of emotional structure*. Presented at the NYAS Emotions Inside Out: 130 Years After Darwin - The Expression of the Emotions in Man and Animals conference, New York City, NY, Nov 16-17, 2002.

#### SELECTED PROFESSIONAL REPORTS

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*Designing for Health: WELL-certified Chicago Living Lab*. HKS, Inc. (2022)

*From Temporary to Transformative: Work from Home Insights*. HKS, Inc. (2020)

*Option One Project Period: Wellbuilt for Wellbeing*, Prepared for the United States General Services Administration (2016).

*Siting, Design, and Materials Recommendations: The Courtyard at Jamestown*, Prepared for ROC Seniors Housing (2016).

*Base Project Period: Wellbuilt for Wellbeing*, Prepared for the United States General Services Administration (2015).

#### OTHER WRITING EXPERIENCE

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##### **HKS, Inc.**

Published articles available [here](#).

##### **Stanford News Service**, 2009, Intern Science Writer

Published articles available upon request.

OTHER SELECTED CONSULTING & BUILT PROJECTS

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<b>Ford Retail 2.0</b>   Dearborn, MI Consumer experiences and design affordance strategy	2022-
<b>Ford Headquarters</b>   Dearborn, MI <b>Snohetta</b>   <b>IBI Group</b> New campus and extension: Subject matter expert, scenario planning, evidence-base framing, programming, and layout strategies	2020-1
<b>Center for Integrative Medicine</b>   Tucson, AZ <b>Swaim Associates</b>   <b>Knoll, Inc.</b> Renovation project: Programming, materials, office furniture strategies	2017
<b>RSP Architecture</b>   Minneapolis, MN; Phoenix, AZ Research methodology, budgeting, and planning	2016
<b>The Courtyard at Jamestown</b>   Provo, UT	2016
<b>D2 Architecture</b>   <b>ROC Seniors Housing</b> Siting for memory care and assisted living expansion: Programming / building materials for optimizing health of residents and staff	
<b>Rooms for Wellbeing</b> <b>University of Arizona</b>   <b>General Services Administration</b>   <b>Aclima, Inc.</b> Exhibit showcasing environmental and physiological research methods	2016
<b>Dravo Building</b>   Denver, CO <b>RNL Design</b>   <b>University of Colorado College of Architecture and Planning</b> 2 <sup>nd</sup> floor renovation project	2013

AWARDS, FELLOWSHIPS, & GRANTS

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North Torrey Pines Living and Learning Neighborhood at UC San Diego	
- AIA COTE Top Ten Award	2023
- American Society of Interior Designers Outcomes Award	2022
- Evidence Based Design Touchstone Award, CHD	2022

AGI North American Headquarters	
o CoreNet Real Awards, Small Project of the Year	2022
EDRA CORE Award, Merit status – Work from Home Insights, HKS	2021
ASID Outcomes Award Finalist – Chicago Living Labs, HKS	2020
Health in Buildings Roundtable (HiBR) Scholar Award, NIH	2018
Best in show, Small booth category, <i>Rooms for Wellbeing</i> , AIA Nat'l Expo	2016
Ink wash exhibition, <i>AIA national convention</i>	2013
Tau Sigma Delta Architecture Honor Society	2013
Internal Research Grant, <i>CU Boulder, ENVD, with PI Meredith Banasiak</i>	2013
Eugene D. Sternberg Scholarship, <i>University of Colorado Denver</i>	2011-2013
Richard L. Crowther Scholarship, <i>University of Colorado Denver</i>	2011-2012
Department of Architecture Tuition Award, <i>University of Colorado Denver</i>	2010-2013
Dean's List – Academic achievement, <i>University of Colorado Denver</i>	2010-2013
Outstanding Sketching Work Award, <i>Institute of Classical Architecture</i>	2012
Backup for the Design Excellence Awards, <i>University of Colorado Denver</i>	2011
Selected models for exhibit, <i>First Fridays, Roth Sheppard Architects</i>	2011
Dean's Gallery exhibit artwork and model, <i>University of Colorado Denver</i>	2010
Department of Psychology Graduate Student Teaching Award, <i>Stanford</i>	2008
Norman H. Anderson Research Grant, <i>Stanford</i>	2004
National Science Foundation Graduate Fellowship, Honorable Mention	2004
W.B. Pillsbury Distinguished Thesis Award, <i>University of Michigan</i>	2003
Psi Chi Psychology Nat'l Honor Society President, <i>University of Michigan</i>	2003
Phi Beta Kappa National Honor Society	2003

## TEACHING EXPERIENCE

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### Development

2023	Introduction to Environmental Design	CU Boulder
2022	Human Behavior (Environmental Design)	CU Boulder
2021	Design for Health and Wellbeing	CU Denver
2016-2017	M.S.Arch. curriculum development: <i>Health and Wellbeing in the Built Environment</i>	Arizona
2016	Health and Wellbeing in the Environment I: <i>A Tour of the Senses and Beyond</i>	Arizona

### Instructor

2023-2024	Human Behavior (Environmental Design)	CU Boulder
2023-2024	Introduction to Environmental Design	CU Boulder
2022	Design for Health and Wellbeing	CU Denver
2021-2023	Introduction to Architecture (studio)	CU Boulder

2017	Health and Wellbeing in the Environment I: <i>A Tour of the Senses and Beyond</i>	Arizona
2014	<i>Design and Communication (studio)</i>	CU Boulder
2013-2014	<i>Introduction to Psychology I, II</i>	CU Denver Metro State
2010-2014	<i>Introduction to Statistics and Research Methods</i>	CU Denver
2013-2014	<i>Human Development</i>	CU Denver Metro State
2013	<i>History of Psychology</i>	CU Denver
2011-2012	<i>Research Methods in Experimental Psychology</i>	CU Denver
Guest Lecturer		
2020, 2021, 2023	<i>Health by Design</i>	Michigan
2018	<i>Drawing Interiors: Perspectives and Rendering</i>	Parsons
2018	<i>Health and Wellbeing in the Built Environment</i>	Arizona
2015, 2016	<i>Sustainability Design and Planning</i>	Arizona
2015, 2017	<i>Architecture Research Methods</i>	Arizona
2014	<i>Human Behavior in Design and Planning</i>	CU Boulder
2006, 2007	<i>Introduction to Personality Psychology</i>	Stanford
2006, 2007	<i>Graduate Research Methods</i>	Stanford

## RESEARCH ADVISING EXPERIENCE

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### University of Colorado | ENVD

Abel Chamberlin, B.A. expected 2024 | Thesis: Critical Regionalism and WELL

### University of Arizona | School of Architecture, Institute on Place and Wellbeing

Hani Alahmed, M.S.Arch., 2018

Ryan Shindler, M.S.Arch., 2018

Tumamoc Hill Research Group, 2015-2018

### Stanford University | Department of Psychology

Sarah Fairbank, B.A, 2007 | Thesis: *Implicit Beliefs and Cognitive Aging*

## SERVICE

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Latin Honors Committee (ENVD)	2023-2024
Tenure Track Arch faculty search committee (ENVD)	2023-2024

Health Task Force (CU Denver)	2022-2023
International WELL Building Institute Research Advisory Board (IWBI)	2021-
Conscious Cities Fellow, Denver (The Centre for Conscious Design)	2020-2022
Justice, Equity, Diversity, and Inclusion Council Member, HKS, Inc.	2020-2021
Curriculum development group – AIA designing for Excellence, HKS Inc.	2020-2021
Associate Research Firm Representative, HKS, Inc.	2019
Research Acceleration Committee: <i>College of Architecture, Planning, and Landscape Architecture, University of Arizona</i>	2016-2017
M.S.Arch. Curriculum Committee: <i>College of Architecture, Planning, and Landscape Architecture, University of Arizona</i>	2016-2017
Graduate Executive Committee: <i>College of Architecture, Planning, and Landscape Architecture, University of Arizona</i>	2016-2017
Advisor, Design and Health Curriculum, continuing education credits: <i>American Institute of Architects</i>	2016
Design Thinking Certificate Committee: <i>College of Architecture, Planning, and Landscape Architecture, University of Arizona</i>	2015-2016
Co-founder: Human and Buildings Laboratory, University of Colorado	2013-2014
Interim Director, Mind Division, <i>Stanford Center on Longevity, Stanford</i>	2008-2009
Psychology Colloquium Committee Member, Stanford	2008-2009
Personality Seminar Series Committee Member, Stanford	2007-2008
Personality Area Admissions Committee Member, Stanford	2006-2007
Personality Seminar Series Committee Member, Stanford	2004-2005

## REVIEWER

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Building and Environment (B&E)  
 Health Environments Research and Design (HERD)  
 Environmental Design Research Association (EDRA)  
 Journal of Solar Energy Engineering  
 American Institute of Architects (AIA)  
 Building Research and Information (referee)

## CURRENT PROFESSIONAL MEMBERSHIPS

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American Institute of Architects Associate (AIA Assoc.)  
 Health in Buildings Roundtable (HiBR) (National Institutes of Health)