Monika Lohani Ph.D.

Education and Training Postdoctoral Research Associate Department of Psychology Yale University, USA	2014-2016
PhD, MA Psychology Department of Psychology Brandeis University, USA	2008-2014
MA Cognitive Science Centre of Behavioural and Cognitive Sciences University of Allahabad, India	2006-2008
BA Psychology Mahatama Jyotiba Phule Rohilkhand University, India	2003-2006
Professional Appointments	
Affiliate Faculty Natural History Museum of Utah University of Utah	2024-present
Assistant Professor Department of Psychology University of Utah	2023-present
Affiliate Faculty Global Change and Sustainability Center University of Utah	2023-present
Assistant Professor Department of Educational Psychology University of Utah	2018-2023
Adjunct Assistant Professor Department of Psychology University of Utah	2019-2023
Research Assistant Professor Department of Psychology University of Utah	2018
Lead Research Scientist Department of Engineering and Analysis	2017-2018

The MITRE Corporation

Chief Scientist, Human-Machine Social Systems Lab Ball Aerospace, Systems Engineering Solutions Supporting Air Force Research Lab

Publications

[^]Undergraduate *Graduate **Post-doctoral trainees

The data collection for the following published papers occurred since joining the Department of Psychology in 2023: 2-3, 5-6, 9, and 45.

Peer-reviewed Journals and Proceedings

- Lohani, M. & Blodgett, G.* (2025). Innovative and Ecological: Integrating ecological momentary assessment in environmental science research. Frontiers in Psychology -Environmental Science section [Impact factor (IF): 2.6] https://doi.org/10.3389/ fpsyg.2025.1557055
- Lohani, M., Zummo, L., Janney, B. A.**, & Giron, J.* (*in press*). Exploring emotional reactions and regulation strategies in climate change contexts: Insights from a museum exhibit. *Journal of Museum Education* https://doi.org/10.1080/10598650.2025.2494873
- Lohani, M., Velásquez-Franco, S.**, Janney, B.**, & Zummo, L. (*in press*). Voices unheard: Meaning, implications, and challenges for historically marginalized communities at the forefront of climate change. *Interdisciplinary Journal of Environmental and Science Education*, 21(1), e025xx. https://doi.org/10.29333/ijese/xxxx
- Lohani, M., Dutton, S.*, Imel, Z., & Hill, P. L. (2025). Real-world stress and control: Integrating ambulatory physiological and ecological momentary assessment technologies to explain daily wellbeing. *Frontiers in Psychology – Health Psychology Section* [IF: 2.6] https://doi.org/10.3389/fpsyg.2025.1438422
- Janney, B.**, Zummo, L., Lohani, M., Sanchez-Torres, S.^, & Bertuzzi, D.^ (2025). Fostering hope: Exploring climate change learning in an informal museum setting. *Visitor Studies*, 1– 18. [IF: 2.3] https://doi.org/10.1080/10645578.2024.2446135
- 6. Janney, B. A.**, Zummo, L., Sanchez,-Torres, S.^, Bertuzzi, D.^, & Lohani, M. (in press). Exploring informal climate learning experiences in an innovative museum exhibit. American Educational Research Association
- 7. Kaur, K.*, Lohani, M., Williams, P., & Asnaani, A. (2025). A person-specific emotion regulation flexibility framework: Taking an integrative approach. *Emotion Review*. [IF: 6.7] https://doi.org/10.1177/17540739251323517
- 8. Elsey, J.*, Dutton, S.*, & Lohani, M.. (2025). "It's gonna be a stressful day!": How stressor forecasting moderates stress reactivity and affect in real-world contexts. *PsyCh*. https://onlinelibrary.wiley.com/doi/full/10.1002/pchj.818 [IF:1.3]
- Zummo, L., Janney, B.**, Whiting, M.*, Giron J.*, & Lohani, M. (in press). Hope for the future: Strategic frames for learning within an innovative climate exhibit. *American Educa-tional Research Association*.
- Lohani, M., Bryan, C.J., Elsey, J. S.*, Dutton, S.*, Findley, S.P.*, Langenecker, S.A., West, K.*, & Baker, J.C. (2024). Collaboration matters: A randomized controlled trial of collaboration level in suicide risk assessment and intervention. *Journal of Affective Disorders*, 360, 387-393. https://doi.org/10.1016/j.jad.2024.06.004 [IF: 4.9].
- 11. Lohani, M., Baker, J.C., Elsey, J. S.*, Dutton, S.*, Findley, S.P.*, Langenecker, S.A., Do, A.^, & Bryan, C.J. (2024). Suicide prevention via telemental health services: A comparison

of Crisis Response Plan and Safety Plan intervention approaches. *Special issue: Innovations in mental health services, BMC Health Services Research* https://rdcu.be/dZZAt [IF:3.1].

- Lohani M., Do., A.S.[^], & Aisa, A.[^] (2024). Design considerations for future affective automo-tive interfaces: A review of self-regulation strategies to manage affect behind the wheel. Fron-tiers in Future Transportation, Transport Safety https://doi.org/10.3389/ ffutr.2024.1458828 [IF:1.3]
- Lohani, M., Cooper, J., McDonnell, A., Erickson, G., Simmons, T., Carriero, A., Crabtree, K., & Strayer, D. L. (2024). Reliable but multi-dimensional cognitive demand in operating partially automated vehicles: Implications for real-world automation research. *Cognitive Research: Principles and Implications*, 9(1), 60 [IF: 4.1].
- Janney, B. A.**, Zummo, L., & Lohani, M. (2024). Shifting the desired outcome from climate literacy to climate agency: Education that empowers civic leaders. *Interdisciplinary Journal of Environmental and Science Education*, 20(3), e2412. https://doi.org/10.29333/ ijese/14657.
- Lohani, M., Pfund, G. N.*, Bono, T., & Hill, P. L. (2023). Starting school with purpose: Self-regulatory strategies of first-semester university students. *Applied Psychology: Health* and Well-Being. https://doi.org/10.1111/aphw.12407 [IF: 7.521].
- 16. McDonnell, A.*, Simmons, T., Erickson, G., Lohani, M., Cooper, J., & Strayer, D.L. (2023). This is your brain on autopilot: Neural indices of driver workload and engagement during partial vehicle automation. *Human Factors*. https://doi.org/10.1177/00187208211039091 [IF: 2.888].
- Lohani, M., Dutton, S.*, & Elsey, J. S.* (2022). A day in the life of a college student during the COVID-19 pandemic: An experience sampling approach to emotion regulation. *Applied Psychology: Health and Well-Being*, 14(4), 1333–1352. https://doi.org/10.1111/aphw.12337 [IF: 7.521].
- Crandell, H. A.*, Silcox, J. W.*, Ferguson, S. H., Lohani, M., & Payne, B. R. (2022). The effects of captioning errors, background noise, and hearing loss on memory for text-captioned speech. *Journal of Speech, Language, and Hearing Research*, 1-27. https://doi.org/10.1044/2022_JSLHR-21-00416 [IF: 2.674].
- Aina, D.*, Poitras, E., & Lohani, M. (2022). Detection of student confusion in MOOCs: Feature extraction methods for EEG signal processing. Proceedings of the American Educational Research Association.
- Lohani, M., Cooper, J., Erickson, G., Simmons, T., McDonnell, A.*, Crabtree, K., & Strayer, D.L. (2021). No difference in arousal or cognitive demands between manual and partially automated driving: A multi-method on-road study. *Frontiers in Neuroscience*. 15, 627. https://doi.org/10.3389/fnins.2021.577418 [IF: 5.152].
- Payne, B.R., Silcox, J.*, Lash, A., Ferguson, S.H., & Lohani, M. (2021). Text captioning buffers against the effects of background noise and hearing loss on memory for speech. *Ear* and Hearing. DOI://10.1097/AUD.000000000001079 [IF: 3.57].
- Stanley, J., Eris, O., & Lohani, M. (2021). A conceptual framework for machine selfpresentation and trust. International Journal of Humanized Computing and Communication. https://doi.org/10.35708/HCC1869-148366
- Lohani, M., McElvaine K.*, Payne, B.R., Mitcheom, K., & Britton, W. (2020). A longitudinal training study to delineate the specific causal effects of open monitoring versus focused attention techniques on emotional health. *Complementary Therapies in Medicine*, 53, 102525. https://doi.org/10.1016/j.ctim.2020.102525 [IF: 2.446].
- 24. Lohani, M., Cooper, J., Erickson, G., Simmons, T., McDonnell, A.*, Crabtree, K., & Strayer, D.L. (2020). Driver arousal and workload under partial vehicle automation: A

pilot study. Proceedings of the Human Factors and Ergonomics Society Annual Meeting. https://doi.org/10.1177/1071181320641471.

- Stanley, J., Eris, O., & Lohani, M. (2020). Toward a framework for machine selfpresentation: A survey of self-presentation strategies in human-machine interaction studies. *IEEE Computer Society Press.* https://doi.org/10.1109/HCCAI49649.2020.00007
- Lohani, M., Payne B.R., & Strayer D. L. (2019). A review of psychophysiological measures in driving research to assess cognitive state in real-world context. *Frontiers in Human Neuroscience*. https://doi.org/10.3389/fnhum.2019.00057. [IF: 3.209].¹
- Chit-Tegmark, M.**, Lohani, M., & Scheutz, M. (2019). Gender effects in perceptions of robots and humans with varying emotional intelligence. Proceedings of the ACM/IEEE International Conference on Human Robot Interaction. doi:10.1109/HRI.2019.8673222.
- Purcell, J.*, Lohani, M., Musket, C., Hay, A. C., Isaacowitz, D. M., & Gruber, J. (2018). Emotional gaze preferences using eye-tracking in remitted bipolar I disorder. *International Journal of Bipolar Disorders*. doi:org/10.1186/s40345-018-0123-y [IF: 4.34].
- Lohani, M., Payne, B.R., & Isaacowitz, D. M. (2018). Emotional coherence in early and later adulthood during sadness reactivity and regulation. *Emotion*. 18(6), 789-804. doi: 10.1037/emo0000345 [IF: 4.329].
- Biondi, F., Lohani, M., Hopman, R.*, Mills, S., Cooper, J., & Strayer, D. L. (2018).
 80 MPH and out-of-the-loop: Effects of real-world semi-automated driving on driver work-load and arousal. Proceedings of the Human Factors Ergonomic Society. doi:org/10.1177/1541931218621427.
- 31. Leite, I., McCoy, M., Lohani, M., Ullman, D.[^], Salomons, N.[^], Stokes, C., Rivers, S., & Scassellati, B. (2017). Affective narratives with robots: The impact of interaction context and individual differences on story recall and emotional understanding. *Frontiers in Robotics and AI* 4, 29. doi:10.3389/frobt.2017.00029 [IF: 4.331].
- 32. Fan, L.*, Scheutz, M., Lohani, M., McCoy, M., & Stokes, C. (2017). Do we need emotionally intelligent artificial agents? First results of human perceptions of emotional intelligence in humans compared to robots. *Lecture Notes in Artificial Intelligence*, 10498, 129-141. doi: 10.1007/978-3-319-67401-8_15 [IF: 1.363].
- 33. Lohani, M., Stokes, C. K., Oden, K. B., Frazier, S. J., Landers, K. J., Craven, P. L., Lawton, D., McCoy, M., & Macannuco, D. J. (2017). The impact of non-technical skills on trust and stress. Proceedings of the 2017 ACM/IEEE International Conference on Human-Robot Interaction, 191-192. doi:10.1145/3029798.3038321.
- 34. Lohani, M., Stokes, C., Dashan, N.[^], McCoy, M., Bailey, C. A., & Rivers, S. E. (2017). A framework for human-agent social systems: The role of non-technical factors in operation success. Proceedings of Advances in Human Factors in Robots and Unmanned Systems, 137-148. doi:10.1007/978-3-319-41959-6_12.
- 35. Lohani, M., Stokes, C., McCoy, M., Bailey, C. A., Joshi, A.[^], & Rivers, S. E. (2016). Perceived role of physiological sensors impacts trust and reliance on robots. Proceedings of 25th *IEEE International Symposium on Robot and Human Interactive Communication*, 513-518. doi:10.1109/roman.2016.7745166.
- Lohani, M., Stokes, C., McCoy, M., Bailey, C. A., & Rivers, S. E. (2016). Social interaction moderates human-robot trust-reliance relationship and improves stress coping. Proceedings of 11th ACM/IEEE International Conference on Human-Robot Interaction, 471-472. doi: 10.1109/HRI.2016.7451811.
- 37. Leite, I., McCoy, M., Lohani, M., Salomons, N.[^], McElvaine, K.*, Stokes, C., Rivers, S.,

¹Selected as Cognitive Neuroscience Editor's Pick 2021. Nearly 340 citations since 2019

& Scassellati, B. (2016). Autonomous disengagement classification and repair in multiparty child-robot interaction. Proceedings of 25th *IEEE International Symposium on Robot and Human Interactive Communication*, 525-532. doi:10.1109/roman.2016.7745168.

- Oden, K., Lohani, M., McCoy, M., Crutchfield, J., & Rivers, S. (2015). Embedding emotional intelligence into military training contexts. *Procedia Manufacturing*, 3, 4052-4059. doi:10.1016/j.promfg.2015.07.976.
- Leite, I., McCoy, M., Lohani, M., Ullman, D.[^], Salomons, N.[^], Stokes, C., Rivers, S., & Scassellati, B. (2015). Emotional storytelling in the classroom: Individual versus group interaction between children and robots. Proceedings of 10th Annual ACM/IEEE International Conference on Human-Robot Interaction, 75-82. doi:10.1145/2696454.2696481.
- Lohani, M. & Isaacowitz, D.M. (2014). Age differences in managing response to sadness elicitors using attentional deployment, positive reappraisal, and suppression. Cognition & Emotion, 28(4), 678–697. doi:10.1080/02699931.2013.853648 [IF: 2.678].
- Stanley, J. T., Lohani, M., & Isaacowitz, D. M. (2014). Age-related differences in understanding socially inappropriate humor. *Psychology and Aging*, 29(3), 528-541. doi:10.1037/ a0036666 [IF: 3.34].
- Lohani, M., Gupta, R., & Srinivasan, N. (2013). Cross-cultural evaluation of the International Affective Picture System on an Indian sample. *Psychological Studies*, 58(3), 233-241 [IF: .722]. doi:10.1007/s12646-013-0196-8.
- Noh, S., Lohani, M., & Isaacowitz, D. M. (2011). Deliberate real-time mood regulation in adulthood: The importance of age, fixation and attentional functioning. *Cognition & Emotion*, 25(6), 998-1013. doi:10.1080/02699931.2010.541668 [IF: 2.678].
- 44. Srinivasan, N., Srivastava, P., Lohani, M., & Baijal, S. (2009). Focused and distributed attention. *Progress in Brain Research*, 176(1), 87-100. doi:10.1016/ S0079-6123(09)17606-9 [IF: 2.453].

Book Chapters and articles

- 45. Sherman, H.[^], Zummo, L., Janney, B.^{**}, **Lohani, M.** (2024). A Climate of Hope: Investigating learning at an innovative museum exhibit. *RANGE Journal of Undergraduate Research*
- 46. Sherman, H.[^], Zummo, L., Lohani, M., & Janney, B.** (2025). Investigating learning within a climate exhibit: Relationships among memory, cognition, and views of climate change. *American Educational Research Association*
- 47. Stokes, C., Lohani, M., DeCostanza, A. H., & Loh, E. (2023). Human-machine social systems: Test and validation via military use cases. In Fortino, G., Kaber, D., Nürnberger, A., & Mendonca, D. Handbook of Human-Machine Systems. Wiley.
- 48. Lohani, M., Poitras, E., & Stokes, C. (2020). A framework for human-technology social systems: The role of inter-personal interactions. In R. Zheng (Eds.). Examining Multiple Intelligence and Digital Technologies for Enhanced Learning Opportunities. IGI Global. doi: 10.4018/978-1-7998-0249-5.ch014.
- 49. Payne B.R. & Lohani, M. (2020). Personality and cognitive health in aging. In P. L. Hill and M. Allemand (Eds.). Personality and Healthy Aging in Adulthood: New Directions and Techniques. (pp. 173-190). Springer, Cham.
- Lohani, M., Larcom, M. J., & Isaacowitz, D. M. (2014). Happier & older? Age-related effects on positive emotion. In Gruber, J. & Moskowitz, J. (Eds.). *Positive emotion: Integrating the light sides and dark sides* (pp. 246–266). Oxford University Press. https://doi.org/10.1093/ acprof:0s0/9780199926725.003.0014
- 51. Larcom, M. J. & Lohani, M. (2011). Getting older, feeling good?: Individual difference

factors associated with age effects in affective functioning. Adult Development & Aging News, 39(1), 3-5.

Technical Reports

- 52. Strayer, D. L., Cooper, J.M., Sanbonmatsu, D.M., Erickson, G.G., Simmons, T.G., Mc-Donnell, A.S., Carriero, A.E., Crabtree, K.W., & Lohani, M. (2020). Driver's arousal and workload under partial vehicle automation. (Technical report) Washington, D.C.: AAA Foundation for Traffic Safety.
- 53. Rivers, S., Lohani, M., McCoy, M., & Bailey, C. (2016). The trust project-symbiotic human machine teams: Social cueing for trust and reliance. (Technical report) Dayton, OH: *SRA International Inc.*

Presentations

Talks and Symposia

- 1. Blodgett, G.*, Lee, S.^, Zummo, L., & Lohani, M. (2025). Evaluating the links between affect, affect, regulation, and climate change attitudes using Decision Tree Modeling. *Society for Affective Science*.
- 2. Lohani, M., Janney, B.**, Do, A.^, & Zummo, L. (2024). Climate change-related stress anticipation: conceptualization, correlates, and implications. *Psychonomic Society's 2024 Annual Meeting*
- Banerjee, D.**, Cachelin, A., Shah, J., Yeo, S., Lohani, M., Brunelle, A., Zummo, L., & Nistler, A.⁽²⁰²⁴⁾. Climate Anxiety Among Students: Implications for Urban Planning Education. Association of Collegiate Schools of Planning 2024 Conference
- 4. Kaur, K., Baucom, B., Crowell, S., Lohani, M., & Asnaani, A. (2024). Examining associations among ethnic identity, acculturative stress, emotion regulation, and internalizing symptoms: A mixed-methods community-engaged study. In Chen, S. (Chair). Emotion Regulation in the Face of Minority Stress: Mental Health Implications for Diverse Populations. Symposium at the annual convention of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
- 5. Lohani, M., Ong, L.Q^{*}, Wilson, M. E.*, Burrow, A. L., & Sin, N.L. (2024). Everyday discrimination: Shaping connections between emotion regulation and daily wellbeing. In Dynamic intergroup experiences: regulatory perspectives of perpetrators, witnesses, and targets Symposium, Society for Personality and Social Psychology 2024 Annual Convention
- Beatty, J.*, Lohani, M., & Hill,. P. L. (2024). Regulating biases in intergroup situations: Developing a measure of bias regulation. In Individual differences in self-regulation: Implications for developmental, social, and emotional processes symposium, *European Conference* on Personality
- Shah, J., Cachelin, A., Banerjee, D., Yeo, S., Zummo, L. Lohani, M. (2024). Gendered experiences of climate grief amongst undergraduates at an R1 University, Women in the Crosshairs - Center for Excellence in Women's Health, Annual Symposium, Salt Lake City, UT
- 8. Pearson, J., Zummo, L., & Lohani, M. (2024). Interactive pilot seeks to answer: Are vanpools an answer for climate and well-being? *CleanMed*
- Lohani, M., Dutton, S.*, & Elsey, J. S.* (2021). Effective emotion regulation in college students during the COVID-19 pandemic. Society for Personality and Social Psychology Conference.

- Lohani, M. (2021). Within- and between-individual differences in emotion regulation during the COVID-19 pandemic. Invited talk at the Department of Psychological and Brain Sciences Washington University, St. Louis, MO.
- 11. Lohani, M. (2021). Individual differences in emotion regulation during the COVID-19 pandemic. Invited talk at the Department of Psychology, Rutgers University, Camden, NJ.
- 12. Lohani, M., Cooper, J., Erickson, G., Simmons, T., McDonnell, A.*, Crabtree, K., & Strayer, D. L. (2020). Driver arousal and workload under partial vehicle automation: a pilot study. *Human Factors Ergonomic Society Virtual Conference*.
- Stanley, J., Eris, O., & Lohani, M. (2020). Toward a framework for machine selfpresentation: A survey of self-presentation strategies in human-machine interaction studies. *IEEE Humanized Computing and Communication with Artificial Intelligence Virtual Conference*
- 14. Chit-Tegmark, **Lohani**, **M.**, & Scheutz, M. (2019). Gender effects in perceptions of robots and humans with varying emotional intelligence. The 14th Annual *ACM/IEEE International Conference on Human Robot Interaction*, Daegu, South Korea.
- Biondi, F., Lohani, M., Hopman, R.*, Mills, S., Cooper, J., & Strayer, D. L. (2018). 80 MPH and out-of-the-loop: Effects of real-world semi-automated driving on driver workload and arousal. *International Annual Meeting of Human Factors Ergonomic Society*. Philadelphia, PA.
- 16. Lohani, M. (2018). Applied Psychophysiological methods: Expanding our quantitative methodological capacity through collaborations. Invited talk at the Office of Faculty Research and Support, University of Utah, Salt Lake City, UT.
- 17. Lohani, M. (2017). Self-regulation: Individual differences and interventions in real-world contexts. Invited talk at the Dept. of Psychology, University of Utah, Salt Lake City, UT.
- 18. Stokes, C.S., Lohani, M., & McCoy M. (2017). Human-machine social systems. 2nd International Workshop on Normative HRI: Ethics of and for Robots. Vienna, Austria.
- Fan, L., Scheutz, M., Lohani, M., McCoy, M., & Stokes, C. (2017). Why we need to train with autonomous systems: Exploring emotional intelligence in human-robot interaction. The 8th International Conference on Applied Human Factors and Ergonomics Conferences, Los Angeles, CA.
- 20. Lohani, M. (2016). Multi-modal assessments of emotional reactivity and regulation. Invited talk at the Neuroscience and Education Lab, New York University, NY.
- Lohani, M. (2016). Building non-technical skills between human-machine teams in an applied context. Invited talk at Lockheed Martin Corp. Mission Systems and Training, Orlando, FL.
- 22. Lohani, M. (2016). Applying basic emotion regulation research to real world contexts. Artusio, L. (Chair), Measurement of Emotional Intelligence Skills. Emotional Intelligence Symposium, University of Florence, Florence, Italy.
- 23. Lohani, M., Stokes, C. K., McCoy, M., Bailey, C. A., Joshi, A., & Rivers, S. E. (2016). Perceived role of physiological sensors impacts trust and reliance on robots. Fisher, K. (Chair), Failure and trust in human-robot interaction. *IEEE International Symposium on Robot and Human Interactive Communication*, Columbia University, NY.
- 24. Lohani, M. (2015). The role of socioemotional cueing in effective human-agent team building. Affect Regulation and Cognition Lab, Yale University, New Haven, CT.
- 25. Stokes, C. K., Rivers, S. E., McCoy, M., Lohani, M., & Schneider, T. R. (2015). Humanmachine teaming: The social frontier. Lyons, J. (Chair), The promises and pitfalls of technology: Understanding user reliance as a means to avoid the latter. *American Psychological Association*, Toronto, Canada.

- Oden, K., Lohani, M., McCoy, M., Crutchfield, J., & Rivers, S. (2015). Embedding emotional intelligence into military training contexts. The 6th International Conference on Applied Human Factors and Ergonomics Conferences, Las Vegas, NV.
- 27. Lohani, M. (2014). Experiential-behavioral-physiological coherence during emotional reactivity and regulation in younger and older adults. Lazar Lab, Massachusetts General Hospital, Boston, MA.
- 28. Gruber, J., Lohani, M., Purcell, J., & Isaacowitz, D. M. (2013). Seeing only the good? Emotional gaze preferences in bipolar disorder. Van Boven, L. (Chair), Attention and Emotion. Society for Experimental Social Psychology (SESP), Berkeley, CA.
- 29. Lohani, M. (2013). A longitudinal training study to delineate the specific causal effects of open monitoring versus focused attention techniques on emotional regulation skills. Lazar Lab, Massachusetts General Hospital, Boston, MA.
- 30. Lohani, M. (2012). Age differences in understanding socially inappropriate behavior. *Social Brain Sciences Symposium*, Harvard University, Cambridge, MA.
- 31. Lohani, M. (2011) Introduction to eye tracking. Yale Positive Emotion and Psychopathology Lab, Yale University, New Haven, CT.
- 32. Lohani, M. (2011). Effective affect regulation strategies during coping, emotion- and mood-regulation: A meta-analysis. Northeastern University, Boston, MA.
- 33. Lohani, M. (2007). Effect of attention on afterimages. XVII Annual Conference of the National Academy of Psychology, Indian Institute of Technology, Kanpur, India.

Poster Presentations

- 1. Roberts, A., Blodgett, G. R., Zummo, L., & Lohani, M. (2025). Applying Mobile Eye Tracking Methodology to Examine Engagement with Climate Change Information. *Wilkes Climate Summit.*
- 2. Do, A.[^], Aisa, A.[^], & Lohani, M. (2024). Exploring effective ways to regulate stress behind the wheel. Undergraduate Research Symposium, University of Utah.
- Nistler, A.[^], Follstad Shah, J, Yeo, S. Banerjee, D.^{**}, Cachelin, A., Brunelle, A., Zummo, L., & Lohani, M. (2024). Climate optimism in ENVST students. Undergraduate Research Symposium, University of Utah.
- 4. Lohani, M., Wei, W, Shultz, C.*, Janney, B.**, Elsey, J. S.*, & Zummo, L. (2024). Exploring the regulation of emotional responses to climate change. *Emotion Regulation Pre-Conference at Society for Affective Science Conference.*
- 5. Beatty, J.*, Lohani, M., & Hill, P. L. (2024). Bias coping strategies and purpose. Society for Affective Science.
- 6. Elsey, J. S.*, Dutton, S.*, & Lohani, M. (2024) Understanding emotional regulation strategies in response to daily climate change stressors. *Society for Affective Science Conference*.
- Dutton, S.*, Hill, P. L., Imel, Z. E., & Lohani, M. (2023) Affect in the wild: Psychophysiological responses to real-world contexts. *Society for Psychophysiological Research*. New Orleans, LA.
- 8. Elsey, J. S.*, Dutton, S.*, & Lohani, M. (2023). Affective experiences and stress reactivity: The moderating role of stressor forecasting. *Society for Affective Science Conference*. Long Beach, CA.
- 9. Ong, L.Q.*, Wilson, M.E.*, Burrow, A.L., **Lohani, M.**, Hill, P.L., & Sin, N.L. (2023). Anticipated discrimination in daily Life: Correlates with affect and physical symptoms. Annual meeting of the Canadian Psychological Association.
- 10. Ong, L.Q.*, Wilson, M.E.*, Burrow, A.L., **Lohani, M.**, Hill, P.L., & Sin, N.L. (2023). Anticipated discrimination in daily life: Correlates with perceived stressfulness and control.

Annual meeting of the American Psychosomatic Society, San Juan, Puerto Rico.

- Dutton, S.*, Hill, P. L., Imel, Z. E., & Lohani, M. (2022) The impact of long-term stress on reactivity to daily stressors. *Society for Psychophysiological Research*. Vancouver, BC, Canada.
- 12. Dutton, S.*, Hill, P. L., Imel, Z. E., & Lohani, M. (2022) Understanding the interaction between chronic and daily stress in lab and real-world settings. Behavioral Science Research Day, *Huntsman Mental Health Institute*, University of Utah, UT.
- 13. Lohani, M., Pfund, G. N.*, & Hill, P. L. (2022). Yet another two by two: Two factors for emotion regulation persist across two large samples. Society for Affective Science Virtual Conference.
- 14. Elsey, J. S.*, Dutton, S.*, Findley, S. P.*, Harmston, E.*, Pham, A.*, Baker, J. C., Langnecker, S. A., Bryan, C. J., & Lohani, M. (2022). Stress-related risk factors and suicide ideation: The mediating role of emotion dysregulation. Society for Affective Science Virtual Conference.
- Dutton, S.*, Elsey, J. S.*, & Lohani, M. (2022). Student experiences in the real world: The role of perceived stress and control on affect. *The College of Education Research Symposium* at the University of Utah, Salt Lake City, UT.
- 16. Elsey, J. S.*, Dutton, S.*, & Lohani, M. (2022). The relationship between stress anticipation and affect in college students. *The College of Education Research Symposium* at the University of Utah, Salt Lake City, UT.
- Aina, D.*, Poitras, E., & Lohani, M. (2022). Detection of student confusion in MOOCs: Feature extraction methods for EEG signal processing. *American Educational Research* As-sociation.
- Lohani, M., Cooper, J., McDonnell, A.*, Erickson, G., Simmons, T., Carriero, A., Crabtree, K., & Strayer, D. L. (2021). Psychometric properties of psychophysiological and behavioral cognitive demand measures in applied driving research. 2021 Virtual Annual Meeting of the Society for Psychophysiological Research.
- Pham, A.[^], Elsey, J. S.*, Dutton, S.*, Findley, S. P.*, Harmston, E.*, Baker, J. C., Langnecker, S. A., Bryan, C. J., & Lohani, M. (2022). Suicide Ideation: Psychological Determinants and Treatment, Undergraduate Research Symposium, University of Utah.
- McDonnell, A.*, Simmons, T., Erickson, G., Lohani, M., Cooper, J., & Strayer, D. L. (2021). Neural indices of driver workload and engagement under partial vehicle automation. 2021 Virtual Annual Meeting of the Society for Psychophysiological Research.
- Lohani, M., Cooper, J., Erickson, G., Simmons, T., McDonnell, A.*, Carriero, A., Crabtree, K., & Strayer, D. L. (2020). Application of heart rate variability to assess arousal in semiautomated vehicles. 2020 Virtual Annual Meeting of the Society for Psychophysiological Research.
- 22. Payne, B.R., Silcox, J.*, Lash, A., Ferguson, S.H., & Lohani, M. (2018). Text captioning reduces the effects of perceptual effort on speech memory. *Annual Meeting of the Psychonomic Society*, New Orleans, LA.
- 23. Payne, B.R., Silcox, J.*, Lash, A., Ferguson, S.H., & Lohani, M. (2018). Assistive text captioning offsets the effects of background noise on speech memory and pupillometry. Academy of Rehabilitative Audiology, Pittsburgh, PA.
- 24. Lohani, M. (2017). Future capabilities: The sense-assess-augment systems. The Forum on the Impact of Vehicle Technologies & Automation on Users, Salt Lake City, UT.
- 25. Lohani, M., Stokes, C.K., Oden, K., Frazier, S., Landers, K., Craven., P., Lawton, D., McCoy, M., & Macannuco, D. (2017). The impact of non-technical skills on trust and stress. *Human-Robot Interaction Conference*, Vienna, Austria.

- Schneider, T. R., Jessup, S. A., Stokes, C. S., Lohani, M., & McCoy M. (2017). The influence of trust propensity on trust behaviors. Association for Psychological Science Annual Convention 2017, Boston, MA.
- 27. Lohani, M., Stokes, C. K., McCoy, M., Bailey, C. A., & Rivers, S. E. (2016). Social interaction moderates human-robot trust-reliance relationship and improves stress coping. *ACM/IEEE International Conference on Human-Robot Interaction*, Christchurch, New Zealand.
- 28. Cooper, G., Dombrecht, L., Hay, A. C., **Lohani, M.**, & Gruber J. (2016). Remembering that neutral feeling? Enhanced memory for neutral, but not positive or negative, emotional stimuli in bipolar I disorder. *Society for Personality and Social Psychology*, San Diego, CA.
- Leite, I., McCoy, M., Lohani, M., Ullman, D., Stokes-Schwartz, C., Rivers, S., & Scassellati, B. (2015). Building emotional understanding through interactive role-play using robots. *Society for Research in Child Development*, Philadelphia, PA.
- Leite, I., McCoy, M., Lohani, M., Ullman, D., Stokes-Schwartz, C., Rivers, S., & Scassellati, B. (2015). Emotional storytelling in the classroom: Individual versus group interaction between children and robots. ACM/IEEE International Conference on Human-Robot Interaction, Portland, OR.
- 31. Lohani, M. & Isaacowitz, D.M. (2014). Effects of age, emotional flexibility, and cognitive abilities on the effectiveness of regulating sadness using the acceptance strategy. *International Symposium for Contemplative Studies*, Boston, MA.
- 32. Lohani, M. & Isaacowitz, D.M. (2014). Experiential-physiological coherence during sadness reactivity and regulation in younger and older adults. *Society for Psychophysiological Research Conference*, Atlanta, GA.
- 33. Purcell, J., Lohani, M., Isaacowitz, D. M., & Gruber, J. (2013). Seeing only the good? Visual attention preferences using eye-tracking in bipolar I disorder. *Society for Research in Psychopathology*, Oakland, CA.
- 34. Lohani, M., Stanley, J. T., & Isaacowitz, D. M. (2012). Self-report funniness ratings and facial electromyography reveal unique age-related responses to aggressive social humor. *Society* for Psychophysiological Research Conference, New Orleans, LA.
- 35. Lohani, M., Stanley, J. T., & Isaacowitz, D. M. (2012). Aging and the understanding of complex social situations. *Cognitive Aging Conference*, Georgia Institute of Technology, Atlanta, GA.
- Lohani, M., & Isaacowitz, D. M. (2011). Multimodal assessment of the effectiveness of attentional deployment, reappraisal, and suppression in young and older adults. *Affective Science Institute meeting*, Boston, MA.
- 37. Lohani, M., & Isaacowitz, D. M. (2011). Effectiveness of attentional deployment in young and older adults. *Gerontological Society of America*, Boston, MA.
- Lohani, M., & Isaacowitz, D. M. (2011). Multimodal assessment of the effectiveness of attentional deployment, reappraisal, and suppression in young and older adults. Society for Psychophysiological Research Conference, Boston, MA.
- Lohani, M., & Isaacowitz, D. M. (2011). Multimodal assessment of the effectiveness of attentional deployment, positive reappraisal, and suppression. Association for Psychological Science Annual Convention, Washington, DC.
- 40. Lohani, M., Noh, S., & Isaacowitz, D. M. (2010). Deliberate real-time mood regulation in adulthood: The importance of age, fixation, and attentional processing. *Cognitive Aging Conference, Georgia Institute of Technology*, Atlanta, GA.
- 41. Lohani, M., Srinivasan, N. (2009). Individual differences in emotional reappraisal are linked to attentional flexibility: An eye-tracking study. Health Emotions Research Institute's 15th

Annual Wisconsin Symposium on Emotion, University of Wisconsin, Madison, WI.

42. Lohani, M., Srinivasan, N. (2007). Stress affects memory for detail in emotional pictures. International Symposium on Advances in Neurosciences & Silver Jubilee Conference of *Indian Academy of Neurosciences*, Banaras Hindu University, Varanasi, India.

Grant Funding

Awarded

Leading educational advances in research and new technologies award College of Education, University of Utah Role: PI	
\$5,000	2022-2023
Dean's research fellowship award 2022-2024 College of Education, University of Utah Role: Co-PI \$130,000	2022-2024
A psychophysiological approach to the refinement of suicide risk management intervent 1U4U, University of Utah Role: PI \$30,000	tion 2020-2021
Psychological flexibility in real-world: Toward an innovative psychophysiological approx VPR Funding Incentive Grant, University of Utah	
Role: PI \$9,444	2019-2021
The effects of text captioning on neurocognitive workload of speech understanding Telecommunications Research and Development Grant by CaptionCall LLC. Role: Co-PI	
\$166,961	2018-2019
A longitudinal training study to delineate the specific causal effects of open monitoring versus focused attention techniques on emotional regulation skills The Mind and Life Francisco J. Varela Research Grant Role: PI	
\$15,000	2013-2016
Not Awarded	
Voices unheard: Challenges and coping strategies for climate change mitigation and adaptation among underrepresented frontline communities of Utah Wilkes Center, University of Utah	
Role: PI (Co-PI: Ana Sanchez-Birkhead; Daniel Mendoza) \$50,000	2025
Letter of Interest submitted to Burroughs Wellcome Fund	
Role: Co-PI (Co-PI: Shah, Brunelle, Zummo, Tao, Cachelin) \$375,000	2024
Memory Self-Concept in Daily Life during Older Adulthood: Lifespan predictors and correlates in daily life	

Developmental Science, National Science Foundation Role: Site PI (PI: Hill) \$713,959	2024
Assessing effects of stress on spatial gist using physiological and behavioral measures Army Research Institute Role: Co-PI (Co-PI: Stefanucci, Chamberlain) \$800,000	2024
Memory Self Efficacy in Older Adulthood Developmental Science, National Science Foundation Role: Site PI (PI: Hill) \$713,959	2024
Vanpools for UHealth: A randamized climate co-health benefits clinical trial Faculty Small Grant Program, University of Utah Role: Co-PI (Co-PI: Pearson, Zummo) \$10,000	2024
Challenges and practical strategies for climate change adaptation and sustainability among underrepresented frontline communities of Utah 1U4U - Future of Sustainability Role: PI (Co-PI: Zummo, Sanchez-Birkhead; Co-I:Simonsen)	
 \$50,000 Assessing effects of stress on spatial gist using physiological and behavioral measures U.S. Army Research Institute for the Behavioral and Social Sciences Role: Co-PI (PI: Chamberlain and Stefanucci; Co-PI: Creem-Regehr) \$799,966 	2024 2023
Emotional civic practice through an interdisciplinary lens: Learning for productive conversations about divisive issues Spencer Foundation Grant Role: Co-PI (PI: Zummo) \$50,000	2023
Vanpools for UHealth: A randomized climate co-health benefits clinical trial Sustainable Campus Initiative Fund, University of Utah Role: Co-PI (PI: Pearson; Co-PI: Zummo) \$35,000	2023
Building bridges and crossing divides: Conversation as a means to shift to shared engagement around climate change Wilkes Center Seed Grant Program, University of Utah Role: Co-I (PI: Zummo) \$20,000	2022
Memory self-concept in daily life: Developmental and contextual influences Science of Learning and Augmented Intelligence, National Science Foundation Role: Co-I (PI: Hill; Co-I: Jackson) \$511,477	2022
Together, we can make a difference: Science-based community workshops	

to tackle Utah's water dilemma Community-Based Research Grants Program, University of Utah Role: PI \$30,000	2022
EPIC interest in science: Enhancing student STEM interest and motivation through research on digitized museum collections Innovative Technology Experiences for Students and Teachers program National Science Foundation Role: Co-PI (PI: Butcher; Co-PIs: Larson, Sansone) \$1,498,997	2021
Distinguishing adjustment disorders from chronic behavioral health disorders after sexual assault and other military-relevant stressors Department of Defense, Defense Health Program Role: Co-I (PI: Leifker; Co-Is: Asnaani, Baker, Baucom, Bryan) \$1,120,724	2019
Cognitive performance, neurophysiology, and pharmacometrics of IPA under hypobaric normoxia Air Force Research Lab Role: Co-PI (Co-PI: Job; Co-Is: Balch, Collingwood, Liu) \$1,494,042	2019
Harnessing the role of an embodied hybrid sensor to advance cognition and physical capabilities of alcohol-impaired human-subjects NSF Future of Work at the Human-Technology Frontier Role: Co-PI (PI: Misra; Co-PI Khan, Kumar) \$749,970	2018
Real-time detection and augmentation of inattention to improve driving safety technology The MITRE Corp. Role: Co-PI (Co-PI: Stokes) \$137,888	2017
LingoFit: AI coPilot for safety on the road NSF Small Business Innovation Research Role: Subawardee \$24,999	2017
Toward a new genre of cyberlearning: Understanding learning processes to develop social and emotional competence National Science Foundation - Cyberlearning & Future Learn Technology Role: Co-I (PI: Rivers) \$511,477	2016
Socioemotional joint training for calibrated trust and effective human-machine teams Air Force Office of Scientific Research Role: Co-PI (PI: Stokes) \$2,333,000	2016
Examining emotional intelligence benefits for human-machine teaming	_010

Air Force Office of Scientific Research Role: Co-I (PI: Stokes) \$435,000	2015
Development of an objective measure of compassion and mindful awareness The Mind and Life 1440 Grant for Contemplative Education Research Role: PI \$30,000	2014
	2011
Awards and Fellowships Swiss Center for Affective Science	
International Summer School in Affective Science	2016
Postdoctoral Scholars Travel Award Yale University	2016
International Symposium for Contemplative Studies Scholarship Mind & Life Institute	2015
Graduate Student Association Scholarship Brandeis University	2014
Travel & Research Grant Brandeis University	2013
Research Fellow Mind & Life Institute	2012-2013
Student Travel Award Wisconsin Symposium on Emotion, University of Wisconsin-Madison	2009
Graduate Fellowship Brandeis University	2008-2013
Graduate Merit Fellowship University of Allahabad	2006-2008
Teaching Experience and Mentorship	
Instructor of Record	
Emotion Regulation in Everyday Life, University of Utah	2025-present
Human Factors, University of Utah	2024-present
Issues in Cognition, University of Utah Research Experience (Cognitive), University of Utah	2023-present 2023-present
Individual Research Projects (Cognitive), University of Utah	2023-present 2023
Honors Topics in Cognitive Psychology, University of Utah	2023-present
Graduate Quantitative Methods I, University of Utah	2020 present
Graduate Quantitative Methods II (6 credit), University of Utah	2019-2023
Cognitive and Affective Bases of Behavior, University of Utah	2018-2023
Research Methods in Psychology Laboratory, University of Utah	2017
Directed Research for Senior Requirements, Yale University	2015-2016
Directed Research, Yale University	2015

Research Methods in Psychology, Brandeis University Psychological Statistics, Brandeis University	2013 2011-2012
Trainee Research Mentorship	
Post-doctoral Training Mentor	
Benjamin Janney, PhD (Co-mentored)	2023-2025
Primary Graduate Advisor	
Alexa Almond, PhD student in Psychology	Starting Fall 2025
Ginger Blodgett, PhD student in Psychology	2024-present
Jamie Elsey, Master's and PhD student in Educational Psychology	2020-2024
Kristen West, PhD student in Educational Psychology	2021-2023
Sam Dutton, Master's and PhD student (co-mentored) in Educational Psycholog	gy 2018-2023
Undergraduate Research Mentorship	
Lessly Paulino Izquierdo (Summer Program for Undergraduate Research Mentee	e) 2025-present
Carlos Flores (Summer Program for Undergraduate Research Mentee)	2025-present
Taeseung Kim (RA)	2025-present
Alec Roberts (Honors thesis student)	2024-present
Songyi Lee (RA)	2024-present
Hailey Sherman (RA)	2024-2025
Amy Do (RA)	2023-2024
Aifara Aisa (RA) Hannah Lawrence (RA)	2023-2024 2023
Jacob Oler (Honors thesis student)	2023-present
Angela Pham (Summer Program for Undergraduate Research Mentee)	2025-present 2021
Trainee funded-grant mentorship	
Undergraduate Wilkes Scholar, Faculty Mentor	
Wilkes Center for Climate Science & Policy	
Alec Roberts, Department of Psychology, University of Utah	2025 and 2024
NRSA F31 from NIH/NIAMS, Faculty Consultant	
Mirinda Whitaker, Department of Psychology, University of Utah	2024-present
NIH National Research Service Award, Key Faculty Investigator	
Kiran Kaur, Department of Psychology, University of Utah	2023-2025
Masters Committee member	
Sascha Smoot (Social Psychology)	2025-present
Aydin Tasevac (Cognition and Neural Sciences, Psychology)	2024-present
Lensky Augustin (Cognition and Neural Sciences, Psychology)	2023-2025
Ashley Buzard (Cognition and Neural Sciences, Psychology)	2023-2025
Alex Detrich (Cognition and Neural Sciences, Psychology)	2023

Prelim Committee Member:

Sara Woods (Cognition and Neural Sciences, Psychology)	2025-present
Chenxin Yu (Cognition and Neural Science, Psychology)	2024-2025
Alex Detrich (Cognition and Neural Sciences, Psychology)	2024
Kiran Kaur (Clinical Psychology, Psychology)	2023
Anna Katz (Reading and Literacy, Educational Psychology)	2023

Dissertation Committee member at University of Utah

Alyson Cohen (Counseling Psychology, Educational Psychology)	2025-present
Robyn Kilshaw (Clinical Psychology, Psychology)	2024-present
Ethan S. Evans (Counseling Psychology, Educational Psychology)	2022-present
Kent E. Ellsworth (Learning and Cognition, Educational Psychology)	2020-present
Nile C. Brandt (Counseling Psychology, Educational Psychology)	2019-present
Kiran Kaur (Clinical Psychology, Psychology)	2024 - 2025
Katherine E. Axford (Counseling Psychology, Educational Psychology)	2021-2025
Sam Dutton (Learning and Cognition, Educational Psychology)	2024-2025
Becky Neufeld (Social Psychology, Psychology)	2023 - 2025
Wing Ng (Counseling Psychology, Educational Psychology)	2022 - 2025
Jessica A. Totsky (Counseling Psychology, Educational Psychology)	2019-2024
Jasmin Guevara (Clinical Psychology, Psychology)	2023-2024
Samuel P Findley (Counseling Psychology, Educational Psychology)	2021-2024
Matthew P. Orr (Instructional Design & Ed. Tech., Educational Psychology)	2022-2024
Benjamin R. Ratcliff (Counseling Psychology, Educational Psychology)	2020-2023
Samuel O. Dutton (Learning and Cognition, Educational Psychology)	2020-2023
Margaret O. Opatz (Reading and Literacy, Educational Psychology)	2021-2022
Zachary R. Mayne (Learning and Cognition, Educational Psychology)	2020-2021
Christina S. Soma (Counseling Psychology, Educational Psychology)	2020-2022
Emily E. Scott (Cognition and Neural Sciences, Psychology)	2019-2021
Julia A. Harris (Clinical Psychology, Psychology)	2018-2020

Dissertation Committee External Member at Washington University

Judy Kwak (Psychology)	2024-2025
Reviewer	
Ad Hoc Grant Reviewer	
Small Business Innovation Research (SBIR), National Science Foundation	2023
Swiss National Science Foundation	2022-present

Swiss National Science Foundation	2022 present
Social Psychology Program, National Science Foundation	2019-2021

Ad Hoc Journal Reviewer

Accident Analysis and Prevention, Applied Human Factors and Ergonomics, Applied Psycholinguistics, Aging, Neuropsychology and Cognition, Biological Psychology, Brain Research, Cognitive Research: Principles and Implications, Clinical Psychological Science, Cognition and Emotion, Educational Psychology, Emotion, Frontiers in Neuroergonomics, Human Robot Interaction, International Journal of Human-Computer Interaction, Interaction Studies, International Journal of Psychophysiology, International Journal of Social Robotics, IGI Global, PLOS One, Positive Psychology, Psychology and Aging, Sage Open, Scientific Reports, & Social and Personality Compass

Conference Reviewer

Abstract Review Board, Society for Affective Science	2020-present
Student Award Reviewer, Society for Affective Science	2025-present

Workshop Co-organizer

Training for human-machine teams. Applied Human Factors and Ergonomics	
International Conference, Los Angeles, CA	2017
Applying HRI to the defense sector: Human-agent teams. The IEEE International	
Symposium on Robot and Human Interactive Communication, Columbia University, NY	2016

Service

Society for Affective Science, Fundraising Co-Chair	2024-present
Society for Psychophysiological Research, Women in Science and Education	
(WISE) Committee	2024-present
Society for Psychophysiological Research, Mentorship Committee	2024-present
Undergraduate Research Presentation reviewer	2024-present
Society for Affective Science, Fundraising Committee Member	2023-2024
Graduate Program Committee, Department of Psychology, University of Utah	2023-present
Educational Psychology Master of Statistics Track Director	2022-2023
Department's representative – Equity, Diversity, and Inclusion Committee	2022-2023
STEM Education Faculty Search Committee	2021-2022
Learning Sciences Program Committee	2018 - 2023