Curriculum Vitae

CAITLIN MILLS

Academic Rank
Assistant Professor - Department of Educational Psychology

Education

PhD, University of Notre Dame, Cognitive Psychology	2016
Advisor: Sidney D'Mello	
MA, University of Notre Dame, Cognitive Psychology	2014
BA, Christian Brothers University, Psychology	2010

Academic Appointments

University of Minnesota, Twin Cities	
Assistant Professor	2022-present
University of New Hampshire	
Assistant Professor	2018-2021

Current Membership in Professional Organizations
Psychonomic Society
Society for Computation in Psychology (President)
Society for Text and Discourse
Society for Learning Analytics Research

HONORS AND RECOGNITION

External Sources

Tom Trabasso Young Investigator Award, Society for Text and Discourse	2023
Best Paper Award Nominee, Educational Data Mining Conference	2022
Best Overall Short Paper Award, Learning Analytics and Knowledge Conference	2019
James Chen Best Student Paper Award, 25th International Conference on User Modeling, Adaptation, and Personalization	2017
Best Paper Award Nominee, Educational Data Mining Conference	2017
Best Overall Paper Award, 11th International Conference on Augmented Cognition	2017
Psychology Department Graduate Student Teaching Award, University of Notre Dame	2016
Best Overall Paper Award: Florida Artificial Intelligence Research Society Conference	2013
Best Student Paper Award, Florida Artificial Intelligence Research Society Conference	2013

Honors Awarded to Student/Trainee

Common Ground Building Consortium Fellowship Recipient, Mya Urena	2022
Castellan Best Student Paper Award, Society for Computation in Psychology	2019

RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

Grants, Contracts, Awards

    External Sources

    Received at the University of Minnesota
        Co-PI
        Principal Investigator: Sheela Sethuraman
        Status: Pending
        AERDF
        CueThink EF+Math

        Principal Investigator
        National Science Foundation
        CueLearn: Enhancing Social Problem Solving through Intelligent Support
        $1,986,126

        Principal Investigator
        The Gates Foundation
        Supporting Diverse, Equitable, and Inclusive Mind wandering Research Through Access to Large Datasets
        2023-2025
        $450,000

        Principal Investigator
        Learning Engineering Virtual Institute: Engagement Hub
        2022-2024
        $1,000,000

        Principal Investigator
        The Tools Competition
        A Dataset for Developing More Accurate, Generalizable, and Equitable Mind Wandering Detection Algorithms and Supporting Research
        2022-2024
        $50,000

        Co-PI
        Principal Investigator: Zachary Irving
        Templeton Foundation
        Consciousness, just in time: Methodological and experimental foundations for studying the dynamics of experience
        2022-2024
        $200,000

        Co-PI
        Principal Investigator: Ryan Baker
        Chan Zuckerberg Initiative/Gates Foundation

Making Learning Visible: Scalable, Multi-system detection of Self-regulation Related to Executive Function
2020-2023
$899,702

Received at Previous Institutions

Co-PI
Principal Investigator: Kalina Christoff
Canadian Institutes of Health Research
Investigating Spontaneous Thought using Dynamic Brain Connectivity and Experience Sampling
2019-2024
$795,600

Co-PI
Principal Investigator: Vidya Sundar
UNH CoRE
Interdisciplinary Working Group on Technology and the Future of Work
2020-2021
$30,00

Principal Investigator
UNH CoRE
Toward Automatically Detecting Mind-wandering while Driving
2019-2020
$30,00

Principal Investigator
Peter Wall Institute for Advanced Scholars
International Research Collaboration: Spontaneous Cognition
2019-2020
$5,000

Co-PI
Principal Investigator: Julia Kam
Templeton Foundation
The Wandering Brain: Measuring Freely Moving Thoughts
2018-2019
$20,160

Publications
Asterisk(*) - indicates co-first author
<u>Underline</u> *- indicates mentored student/postdoc author*

Peer-Reviewed Journal Article

Kam, J., <u>Wong, A.</u>, Andrews-Hanna, J. R., & **Mills, C.** (in press). On the relationship between unprompted thoughts and mental health: A systematic review and meta-analysis. *Psychological Bulletin*.

<u>Kuvar, V.</u>, Bailenson, J., **Mills, C.** (in press). A novel quantitative assessment of engagement in

virtual reality: Task-unrelated thought is reduced compared to 2D videos. *Computers & Education*.

Kochanowska, E., Coleman, M., Reutskaja, E., **Mills, C.,** Wormwood, J. (in press). Discount rates vary within individuals throughout daily life in conjunction with momentary changes in affect. *Social Psychological and Personality Science*.

Mills, C., Southwell, R., & D'Mello, S. K. (in press). Sadness facilitates "deeper" reading comprehension: A behavioral and eye tracking study. *Cognition and Emotion*.

Raffaelli, Q., Malusa, R., de Stefano, N., Andrews, E., Grilli, M. D., **Mills, C.,** . . . Andrews-Hanna, J. R. (2023). Creative minds at rest: Creative individuals are more associative and engaged with their idle thoughts. *Creativity Research Journal*.

Poulos, M., Zamani, A., Pillemer, D., Lietchman, M., Christoff, K., & **Mills, C.** (2023). Investigating the Appraisal Structure of Spontaneous Thoughts: Evidence for Differences Among Unexpected Thought, Involuntary Autobiographical Memories, and Ruminative Thought. *Scientific Reports*. Advance Online Publication.

Cleary, A., Irving, Z., **Mills, C.** (2023). What flips attention? *Cognitive Science*, 47(4). e13274.

Hutt, S., Wong, A., Ogunlade, O., Papoutsaki, A., Gold, J., Baker, R. S., & **Mills, C.** (2023). Automatically detecting task-unrelated thought and comprehension during reading using a webcam-based eye-tracker. *Behavior Research Methods*. Advance Online Publication.

Colby, A., Wong, A., Allen, L. K., Kun, A., & **Mills, C.** (2023). Be like me: Group identity and task-unrelated thought during conversations. *Cognitive Science*. Advance Online Publication.

Theimann, R., **Mills, C.,** & Kam, J. (2023). Different relationships between thought dimensions and momentary affect in daily life. *Psychological Research*. Advance Online Publication.

Irving, Z., McGrath, C., Glaser, A., Flynn, L., & **Mills, C.** (2023). The shower effect: Mind-wandering facilitates creative incubation during moderately-engaging activities. *Psychology of Creativity, Aesthetics, and the Arts*. Advance Online Publication.

Kuvar, V., Blanchard, N., Colby, A., Allen, L., & **Mills, C.** (2023). Automatically detecting task unrelated thoughts during conversations using keystroke analysis. *User Modeling and User-Adapted Interaction*, 1-25. Advance Online Publication.

Ch, N., Ansah, A., Katrahmani, A., Burmeister, J., Kun, A., **Mills, C.,** . . . Lee, J. (2023). Virtual nature experiences and mindfulness practices while working from home during COVID-19: Effects on stress, focus, and creativity. *International Journal of Human Computer Interaction*. 171, 102982.

Southwell, R., **Mills, C.**, Caruso, M., & D'Mello, S. K. (2023). A gaze-based predictive model of deep comprehension based on self-explanations. *User Modeling and User-Adapted Interaction*, 1-39. 33(3), 687-725.

Wong, A., Smith, S., McGrath, C., Flynn, L., & **Mills, C.** (2022). In class but off-task: A meta-analysis on task-unrelated thought during learning activities. *Contemporary Educational Psychology*, *71*, 102098.

Zhang, J., Andres, A., Hutt, S., Baker, R. S., Ocumpaugh, J., **Mills, C.,** . . . Young, T. (2022). Using Machine Learning to Detect SMART Model Cognitive Operations in Mathematical Problem-Solving Process. *Journal of Educational Data Mining*. 14(3), 76-108.

Smith, S., Ward, R., Allen, L., Wormwood, J., & **Mills, C.** (2022). Mind your words: Affective experience during reading mediates the effect of textual valence on reading comprehension. *Applied Cognitive Psychology*, *36*(5), 1131-1141.

Hart, C., **Mills, C.**, Andrews-Hanna, J. R., Tomfohr-Madsen, L., & Kam, J. W. Y. (2022). Task-unrelated thought increases after consumption of COVID-19 related news. *Cognitive Research: Practical Implications*, *7*(1), 1-14.

Kam, J. W. Y., Javed, J., Hart, C., Andrews-Hanna, J., Tomfohr-Madsen, L., & **Mills, C.** (2022). Daily practice of brief mindfulness training reduces negative impact of COVID-19 news exposure on affective well-being. *Psychological research*, *86*(4), 1203-1214.

Raffaelli, Q., **Mills, C.**, de Stefano, N. A., Mehl, M. R., Chambers, K., Fitzgerald, S., . . . Andrews-Hanna, J. R. (2021). The think aloud paradigm reveals differences in the content, dynamics, and conceptual scope of resting state thought in trait brooding. *Scientific Reports*, *11*(1), 1-14.

Dong, H., **Mills, C.**, Knight, R. T., & Kam, J. W. Y (2021). Detection of mind wandering using EEG: within and across individuals. *PLOS One, 16*(5), e025149.

Kam, J. W. Y., Irving, Z. C., **Mills, C.**, Gopnik, A., & Knight, R. T. (2021). Distinct electrophysiological signatures of task-unrelated and dynamic thoughts. *Proceedings of the National Academy of Sciences. 118*(4), e2011796118.

Mills, C., Gregg, J., Bixler, R., & D'Mello, S. K. (2021). Eye-Mind Reader: An intelligent reading interface that promotes long-term comprehension by detecting and responding to mind wandering. *Human Computer Interaction*, 1-27.

Mills, C., Porter, A., Andrews-Hanna, J., Christoff, K., & Colby, A. (2021). How task-unrelated and freely-moving thought relate to affect: Evidence for dissociable patterns in everyday life. *Emotion*. 21(5), 1029-1040.

D'Mello, S. K., & **Mills, C.** (2021). Mind wandering during reading: A review of cognitive, behavioral, computational, and intervention research. *Language and Linguistics Compass, 15*(4), e12412.

Alperin, B., Christoff, K., **Mills, C.**, & Karalunas, S. (2021). More than off task: Increased freely moving thought in ADHD. *Consciousness and Cognition, 93*, 103156.

Mills, C., Zamani, A., White, R. A., & Christoff, K. (2021). Out of the blue: Understanding abrupt and wayward transitions in thought through probability and predictive processing. *Philosophical Transactions of the Royal Society B. 376*.

Forner, N., **Mills, C.**, & Ross, R. (2020). Tendency to ruminate and anxiety are associated with altered alpha and beta oscillatory power dynamics during memory for contextual details. *Cognitive, Affective, & Behavioral Neuroscience, 20*, 698-716.

Girn, M., **Mills, C.**, Roseman, L., Carhart-Harris, R. L., & Christoff, K. (2020). The dynamic framework of thought: creativity and psychedelics. *NeuroImage, 213*(116726).

Forrin, N., **Mills, C.**, D'Mello, S. K., Risko, E. F., Smilek, D., & Seli, P. (2020). TL;DR: Longer sections of text increase rates of unintentional mind-wandering. *Journal of Experimental Education*, 1-13.

Hutt, S., Krasich, K., **Mills, C.**, **Bosch, N.**, Brockmole, J., & D'Mello, S. K. (2019). Automated Gaze-Based Mind Wandering Detection during Computerized Learning in Classrooms. *User Modeling and User-Adapted Interaction, 29*(4), 821-867.

Mills, C., Wu, J., & D'Mello, S. K. (2019). Being sad is not always bad: The influence of affect on expository text comprehension. *Discourse Processes, 56*(2), 99-116.

Zedelius, C., **Mills, C.**, & Schooler, J. (2019). Beyond Subjective Judgements: Predicting Evaluations of Creative Writing from Computational Linguistic Features. *Behavior Research*

Methods, 51(2), 879-894.

Mills, C., & Christoff, K. (2019). Finding Consistency in Boredom by Appreciating its Instability. *Trends in Cognitive Sciences, 22*(9), 744-747.

Girn, M., **Mills, C.**, & Christoff, K. (2019). Linking Brain Network Reconfiguration and Intelligence: Are we there yet? *Trends in Neuroscience and Education*, 1-13.

Wammes, J. D., Ralph, B. C. W., **Mills, C.**, Bosch, N., Duncan, T. L., & Smilek, D. (2019). On disengagement during lectures: Media multitasking and mind wandering in the university classroom. *Computers & Education, 132*, 76-89.

Calderon, M., **Mills, C.**, D'Mello, S. K., & Risko, E. F. (2018). Re-watching lectures as a study strategy and its effect on mind wandering. *Experimental Psychology, 65*(5), 297-305.

Fox, K. C. R., Andrews-Hanna, J., **Mills, C.**, Dixon, M. L., Marcovic, J., Thompson, E., & Christoff, K. (2018). Affective neuroscience of undirected thought. *Annals of New York Academy of Sciences, 1426*(1), 25-51.

Dixon, M. L., De La Vega, A., **Mills, C.**, Andrews-Hanna, J., Spreng, R. N., Cole, M., & Christoff, K. (2018). Heterogeneity within the frontoparietal control network and its relationship to the default and dorsal attention networks. *Proceedings of the National Academy of Sciences*, 201715766.

Joksimović, S., Oleksandra, S., Kovanović, V., Dowell, N. M., **Mills, C.**, Gašević, D., . . . Brooks, C. (2018). How do we model learning at scale? A systematic review of the literature. *Review of Educational Research, 88*(1), 43-86.

Wilson, K., Martinez, M., **Mills, C.**, D'Mello, S. K., Smilek, D., & Risko, E. F. (2018). Instructor presence effect: Liking does not always lead to learning. *Computers & Education, 122*, 205-220.

Mills, C., Raffaelli, Q., Irving, Z. C., Stan, D., & Christoff, K. (2018). Is an off-task mind a freely-moving mind? Examining the relationship between different dimensions of thought. *Consciousness & Cognition, 58*, 20-33.

Christoff, K., **Mills, C.**, Andrews-Hanna, J. R., Irving, Z. C., Thompson, E., Fox, K. C. R., & Kam, J. (2018). Mind wandering as a scientific construct: Cutting through the definitional haze. *Trends in Cognitive Sciences, 22*(11), 957-959.

Smith, G. K., **Mills, C.**, Paxton, A., & Christoff, K. (2018). Mind wandering rates fluctuate across the day: Evidence from an experience sampling study. *Cognitive Research: Principles and Implications, 3*(1), 54.

Faber, M., & **Mills, C.** (2018). The critical role of the hippocampus in mind wandering. *Journal of Neuroscience, 38*(29), 6439-6441.

Raffaelli, Q., **Mills, C.**, & Christoff, K. (2018). The knowns and unknowns of boredom: A review of the literature. *Experimental Brain Research, 236*(9), 2451-2462.

Mills, C., Graesser, A. C., Risko, E. F., & D'Mello, S. K. (2017). Cognitive coupling during reading. *Journal of Experimental Psychology: General, 146*(6), 872-883.

Dixon, M. L., Andrews-Hanna, J. R., Spreng, R. N., Irving, Z. C., **Mills, C.**, Girn, M., & Christoff, K. (2017). Interactions between the default network and dorsal attention network vary across default subsystems, time, and cognitive states. *NeuroImage, 147*(15), 632-649.

Kopp, K., **Mills, C.**, & D'Mello, S. K. (2016). Mind wandering during film comprehension. *Psychological Bulletin and Review, 23*(3), 842-848.

Phillips, N., **Mills, C.**, & D'Mello, S. K. (2016). On the influence of re-reading on mind wandering. *Quarterly Journal of Experimental Psychology, 69*(12), 2338-2357.

Faber, M., **Mills, C.**, Kopp, K., & D'Mello, S. K. (2016). The effect of disfluency on mind wandering during text comprehension. *Psychological Bulletin and Review, 24*(3), 914-919.

Kopp, K., **Mills, C.**, & D'Mello, S. K. (2015). Influencing the occurrence of mind wandering while reading. *Consciousness and Cognition, 34*(1), 52-62.

Mills, C., Kopp, K., & D'Mello, S. K. (2015). The influence of consequence value and text difficulty on affect, attention, and learning. *Learning and Instruction, 40*, 9-20.

D'Mello, S. K., & **Mills, C.** (2014). Emotions during emotional and non-emotional writing. *Motivation and Emotion, 38*(1), 140-156.

Mills, C., & D'Mello, S. K. (2014). On the validity of the autobiographical emotional memory task for emotion induction. *PLOS One, 9*(4), e95837.

Lehman, B., D'Mello, S. K., Strain, A. C., **Mills, C.**, Gross, M., Dobbins, A., . . . Graesser, A. C. (2013). Inducing and tracking confusion with contradictions during complex learning. *International Journal of Artificial Intelligence in Education, 22*(2), 85-105.

Book Chapters

Zamani, A., **Mills, C.**, Girn, M., & Christoff, K. (in press). *A closer look at transitions between generative and evaluative phases of creative thought*. Handbook of Creativity.

Mills, C., & Christoff, K. (2019). Constructed Futures. Tortell, P., Turin, M., & Young, M. (Eds.), *Memory*. Seattle, WA: University of Washington Press.

Mills, C., Herrera-Bennett, A., Faber, M., & Christoff, K. (2018). Why the mind wanders: How spontaneous thought's default variability may support episode efficiency and semantic optimization. Fox, K. C. R., & Christoff, K. (Eds.), *The Oxford Handbook of Spontaneous Thought: Mind-Wandering, Creativity, Dreaming, and Clinical Conditions* 11-24. New York: Oxford University Press.

Conference Proceedings

Kuvar, V., Kam, J., Hutt, S., **Mills, C.** (in press). Detecting when the mind wanders off-task in real-time: An overview and systematic review. Proceedings of the *International Conference on Multi-modal Interaction (ICMI) 23*. ACM: New York, NY.

Kuvar, V., Flynn, L., Allen, L., & **Mills, C.** (2023). Partner keystrokes predict attentional states during chat-based conversations. In M. Feng, T. Käser, and P. Talukdar (Eds.), *Proceedings of the Educational Data Mining Conference* 2023. India.

Andres, J.M.A.L., Baker, R.S., Hutt, S.J., **Mills, C.**, Zhang, J., Rhodes, S., DePiro, A. (in press) Anxiety, Achievement, and Self-Regulated Learning in CueThink. *Proceedings of the International Society of the Learning Sciences 2023*.

Wong, A. Y., Bryck, R., Hutt, S., Baker, R. S., & **Mills, C.** (2023). Using a webcam-based eye-tracker to understand reading behaviors in neurodivergent classrooms. In proceedings of the 13th *International Learning Analytics and Knowledge Conference* (LAK 2023). ACM: New York, NY.

Zhang, J., Andres, A., Hutt, S., Baker, R.S., Ocumpaugh, J., **Mills, C**., Brooks, J., Sethuraman, S., Young, T. (2022). Detecting SMART Model Cognitive Operations in Mathematical Problem-Solving Process. *International Conference on Educational Data Mining*. International Educational Data Mining Society.

Choi, H., **Mills, C.,** Brooks, C., Singh, A., Doherty, S. (2022). Design recommendation for using textual aids in data-science programming courses. *International Conference on Computer Science Education.* ACM: New York, NY.

Katrahmani, A., Ansah, A., Ch, N., Burmeister, J., Kun, A.K., **Mills, C.,** Shaer, O., Lee, J. (2022). The instability of creativity over weeks through the lens of distributional models. In *Proceedings of Human Factors and Ergonomics Society Conference.* SAGE Publications.

Nagaraju, D., Ansah, A., Ch, N., **Mills, C.,** Janssen, C., Kun, A.L. (2021). How will drivers take back control in automated vehicles? An empirical test of an interleaving framework. In *Proceedings of Automotive User Interfaces Conference (AutoUI 2021).* ACM: New York, NY.

Baker, R., **Mills, C.,** Boser, U. (2021). Workshop for undergraduates in educational data mining and learning engineering. In *Proceedings of International Educational Data Mining Conference (EDM 2021).* International Educational Data Mining Society.

Ch, N. Ansah, A., Katrahmani, A., Burmeister, J., Kun, A., **Mills, C**., Shaer, O., Lee, J. (2021). Conducting a remote virtual reality experiment during COVID-19. *In Workshop Proceedings of XR Remote Research at CHI 2021.*

Ansah, A., **Mills, C.,** Shaer, O., Kun, A. (2020). Towards Computational Identification of Visual Attention on Interactive Tabletops. In *Proceedings of the International Conference Interactive Surfaces and Spaces (ISS 2020).* ACM: New York, NY.

Gliser, I., **Mills., C.,** Bosch, N., Smith, S. L., Smilek, D., Wammes, J.D. (2020). The Sound of Inattention: Predicting Mind Wandering with Automatically Derived Features of Instructor Speech. In *Proceedings of the 21st International Conference on Artificial Intelligence in Education (AIED 2020)*. Berlin Heidelberg: Springer.

Kothari, V., Ramkumar, N., **Mills, C.**, Koppel, R., Blythe, J., Smith, S., Kun, A. (2020). Eyes on URLs: Relating Visual Behavior to Safety Decisions. In *Proceedings of the 12th ACM Symposium on Eye Tracking Research and Applications (ETRA)*. ACM: New York.

Mills, C., Bosch, N., Krasich, K., D'Mello, S.K. (2019). Reducing Mind Wandering during Vicarious Learning from an Intelligent Tutoring System. In *Proceedings of the 20th International Conference on Artificial Intelligence in Education (AIED 2019)*. Berlin Heidelberg: Springer.

Varao-Sousa, T., **Mills, C.,** Kingstone, A. (2019). Where You Are, Not What You See: The Impact of Learning Environment on Mind Wandering and Material Retention. In *Proceedings of the 9th International Conference on Learning Analytics and Knowledge Conference (LAK 2019)*. ACM: New York, NY.

Allen, L.K., **Mills, C.,** Perett, C., McNamara, D.S. (2019). Are You Talking to Me? Multi-Dimensional Language Analysis of Explanations during Reading. In *Proceedings of the 9th International Conference on Learning Analytics and Knowledge Conference (LAK 2019)*. ACM: New York, NY.

Bosch, N., **Mills, C.,** Wammes, J. D., & Smilek, D. (2018). Quantifying classroom instructor dynamics with computer vision. In *Proceedings of the 19th International Conference on Artificial Intelligence in Education (AIED 2018)*. Berlin Heidelberg: Springer.

Krasich, K., Hutt, S., **Mills, C.,** Spann, C., Brockmole, J. & D'Mello, S.K. (2018). "Mind" TS: Testing a brief mindfulness intervention with an intelligent tutoring system. In *Proceedings of the 19th International Conference on Artificial Intelligence in*

Education (AIED 2018). Berlin Heidelberg: Springer.

D'Mello, S.K., **Mills, C.,** Bixler, R., Bosch, N. (2017). Zone out no more: Mitigating mind wandering during computerized reading. Proceedings of the 10th International Conference on Educational Data Mining (EDM 2017). International Educational Data Mining Society.

Hutt, S., **Mills, C.,** Bosch, N., Krasich, K., Brockmole, J., D'Mello, S.K. (2017). Out of the Fr- "Eye"-ing Pan: Towards Gaze-Based Models of Attention during Learning with Technology in the Classroom. Proceedings of the 25th International Conference on User Modeling, Adaptation, and Personalization (UMAP 2017). ACM: New York, NY.

Girn, M., **Mills, C.,** Laycock, E., Ellamil, M., Ward, L., Christoff, K. (2017). Neural Dynamics of Spontaneous Thought: An EEG Study. Proceedings of the 19th International Conference on Human-Computer Interaction International (HCII 2017). Springer: Berlin, Heidelberg.

Mills, C., Fridman, I., Soussou, W., Waghray, D., Onley, A., D'Mello, S.K. (2017). Put your thinking cap on: Detecting Cognitive Load using EEG during Learning. Proceedings of the 7th International Conference on Learning Analytics and Knowledge (LAK 2017). ACM: New York, NY.

Hutt, S., **Mills, C.,** White, S., Donnelly, P.J., D'Mello, S.K. (2016). The eyes have it: Gaze-based detection of mind wandering during learning with an intelligent tutoring system. Proceedings of the 9th International Conference on Educational Data Mining (EDM 2016). International Educational Data Mining Society.

Mills, C., Bixler, R., Wang, X., D'Mello, S.K. (2016). Automatic gaze-based detection of mind wandering during film viewing. Proceedings of the 9th International Conference on Educational Data Mining (EDM 2016). International Educational Data Mining Society.

Allen, L.K., **Mills, C.,** Crossley S., Jacovina, M., D'Mello, S.K., McNamara, D.S. (2016). Investigating boredom and engagement during writing using multiple sources of information: The essay, the writer, and keystrokes. Proceedings of the 6th International Conference on Learning Analytics and Knowledge. (LAK 2016) (pp. 114-123). ACM: NewYork, NY.

Mills, C., D'Mello, S.K. (2015). Toward a real-time (day) dreamcatcher: Detecting mind wandering episodes during online reading. In M. Chi(Eds.), Proceedings of the 8th International Conference on Educational Data Mining (EDM 2015) (pp. 69- 76). International Educational Data Mining Society.

Mills, C., D'Mello, S. K., Bosch, N., & Olney, A. (2015). Mind wandering during learning with an intelligent tutoring system. In C. Conati, N. Heffernan, A. Mitrovic, & M. Felisa Verdejo (Eds.), Proceedings of the 17th International Conference on Artificial Intelligence in Education (AIED 2015) (pp. 267 276). Springer-Verlag: Berlin Heidelberg.

Mills, C., Bosch, N., Graesser, A., & D'Mello, S. K. (2014). To quit or not to quit: Predicting future behavioral disengagement from reading patterns. In S. Trausan-Matu et al. (Eds.) Proceedings of the 12th International Conference on Intelligent Tutoring Systems (ITS 2014) (pp. 19-28). Switzerland: Springer International Publishing.

Mills, C., D'Mello, S.K. (2013). Sorry, I must have zoned out: Tracking mind wandering episodes in an interactive learning environment. In H.C. Lane and K. Yacef (Eds.) Proceedings of the 16th International Conference on Artificial Intelligence in Education (pp. 896-899). Berlin Heidelberg: Springer-Verlag.

Mills, C., D'Mello, S.K., Lehman, B., Bosch, N., Strain, A.C., Graesser, A.C. (2013) What makes learning fun? Exploring the influence of choice and difficulty on mind wandering and engagement during learning. In H.C. Lane and K. Yacef (Eds.) Proceedings of the 16th International Conference on Artificial Intelligence in Education (pp. 71-80). Berlin Heidelberg: Springer-Verlag.

Bosch. N., D'Mello, S.K., **Mills, C.** (2013). What Emotions do novices experience during their first computer programming learning session? In H.C. Lane and K. Yacef (Eds.) Proceedings of the 16th International Conference on Artificial Intelligence in Education (pp. 11-20). Berlin Heidelberg: Springer-Verlag.

Mills, C. & D'Mello, S. K. (2013). Emotions during writing about socially-charged issues: Effects of the (mis)slignment of personal positions with instructed positions. Proceedings of 26th Florida Artificial Intelligence Research Society Conference (pp. 509-514). Menlo Park, CA: AAAI Press.

Mills, C. & D'Mello, S. K. (2012). Emotions during Writing on topics that align or misalign with personal beliefs. In S. Cerri & W. Clancey (Eds.) Proceedings of the 11th International Conference on Intelligent Tutoring Systems (pp. 638-639). Berlin Heidelberg: Springer-Verlag.

Lehman, B., **Mills, C**., D'Mello, S. K., & Graesser, A. C. (2012). Automatic evaluation of learner self-explanations and erroneous responses for dialogue-based ITSs. In S. Cerri & W. Clancey (Eds.) Proceedings of the 11th International Conference on Intelligent Tutoring Systems (pp. 541-550). Berlin Heidelberg: Springer-Verlag.

Dowell, N., D'Mello, S. K., **Mills, C.** & Graesser, A. C., (2011). Does topic matter? Topical influences on linguistic and rubric-based evaluation of writing. In G. Biswas, S. Bull, J. Kay, & A. Mitrovic (Eds.). Proceedings of 15th International Conference on Artificial Intelligence in Education (pp.450-452). Berlin: Springer-Verlag.

Invited Presentations and Conference Presentations/Posters
Conference Presentations with associated refereed proceedings articles are not cross listed. Presentations at conferences such as AIED, EDM, LAK, ITS, and FLAIRS, etc. are listed under Proceedings. Please see Publications for additional conference presentations.

Invited Talks/Panels

Mills, C. Spontaneous thought: Definitions, Theory, and Function. Princeton University (to be given March 2024).

Mills, C. Conceptualizing and measuring student engagement across timescales. Gates AIMS Collaboratory Meeting (May 2023).

Mills, C. Learning Analytics Keynote Debate: Is predictive analytics helpful or harmful? (November 2022).

Mills, C. Careers Panel for the Doctoral Consortium at Learning Analytics and Knowledge Conference. (November 2022).

Mills, C. "Enhancing creativity in the real world?," Fall Event for Society for the Neuroscience Creativity. (November 2022).

Mills, C. "The element of surprise: Appraisal structure of involuntary thoughts," Spontaneous Future Cognition Conference University of York. (September 2022).

Mills, C. "A generalizable dataset for mind wandering" Tool Competition Product Day. (September 2022).

Mills, C. "Mixed method approaches to mind wandering," University of Minnesota. (January 2022).

Mills, C. "Theoretical, experimental, and computational approaches to the wandering mind," New School for Social Research. (December 2021).

Mills, C. "Psychology in Learning Analytics," Southwestern Psychological Association. (October 2021).

Mills, C. "Understanding complex cognition: approaches to understanding the user," Computer Science Department, Colorado State University. (October 2021).

Mills, C. "An interdisciplinary view of mind-wandering," Connecting with Computers Group Brownbag. (April 2021).

Mills, C. "Mind-wandering in everyday life," COLA Research UNH. (March 25, 2021).

Mills, C. "Task-unrelated thought, creativity, and the future of work," Human Computer Interaction in the Future of Work Conversation Series. (September 2020).

Mills, C. "Schloss Daghstuhl Seminar on Ubiquitous Computing,", Warden, Germany. (June 2019).

Mills, C. "Detecting and responding to mind wandering during online learning," Teaching Innovation Unit Colloquium Series University of South Australia, Adelaide, Australia. (December 2018).

Mills, C. "When and why the mind wanders: Evidence from the lab, classroom, and everyday life," Mississippi State Colloquium Series Mississippi State University. (November 2018).

Mills, C. "Mind wandering during online learning: Should we care?," AIM Learning Analytics Seminar University of Michigan. (September 2017).

Mills, C. "Mind wandering is a dynamic concept: The insufficiency of content-based approaches," Mind Wandering Symposium, Vancouver, Canada. (June 2017).

Mills, C. "Attentional computing to enhance human performance," Workshop on engaging the wandering mind: Exploring the cognitive, neural and applied consequences of boredom University of Waterloo, Canada. (October 2015).

Refereed Conference Presentation/Talks

Urena, M., Colby, A., Tosca, D., Ansah, A., Shaer, O., Kun, A., & **Mills, C**. Technology-Mediated Social Interactions During COVID-19: Perspectives from a Women's College Community. 33rd Annual Meeting of the Society for Text and Discourse, Oslo, Norway. (June 2023).

Wong, A., Urena, M., & **Mills, C.** (2023, July 28-*30*). How does meta-awareness relate to metacomprehension accuracy during reading? 33rd Annual Meeting of the Society for Text and Discourse, Oslo, Norway. (June 2023).

Hutt, S., Baker, R.S., DePiro, A., Wang, J., Rhodes, S., Ocumpaugh, J., **Mills, C.** Feedback on Feedback: Automated Detection of Peer Feedback Quality. Paper presented at the 33rd Annual Meeting of the Society for Text and Discourse, Oslo, Norway. (June 2023).

MacVittie, A., Kislevitz, C., Meyers, M., Vazquez, J.,Harrison, R., Kochanowska, E., **Mills, C.** Worrmwood, J. B. Mental health symptom severity is associated with momentary awareness of body sensations: Evidence from an ecological momentary assessment protocol. Eastern Psychological Association Annual Conference, Boston, NH. (March 2-4, 2023).

MacVittie, A., Kochanowska, E., **Mills, C.,** Wormwood, J.B. Momentary awareness of individual bodily sensations: Individual differences and associations with affective experience. Society

for Affective Science 2023 Annual Conference, Long Beach, CA. (March 30–April 1, 2023).

Öncel, P., Smith, S., **Mills, C.**, Allen, L. K. "An Examination of How Linguistic Features of Text Shape Readers' Phenomenological Experiences," Annual Meeting for the Society for Computation in Psychology, Boston, Massachusetts. (November 2022).

Kuvar, V., **Mills, C.** "Can the mind wander in virtual reality?," Annual Meeting for the Society for Computation in Psychology, Boston, Massachusetts. (November 2022).

Wong, A., Likens, A., **Mills, C.** "Task-unrelated thought changes based on tapping patterns," Annual Meeting for the Society for Computation in Psychology. (November 2021).

Smith, S., Öncel, P., **Mills, C.**, Allen, L. "Predicting readers' online thought characteristics using natural language processing analyses on text," Society of Text & Discourse's Annual Meeting. (August 2021).

Mills, C., Varao-Sousa, T., Kingstone, A. "Who you're with vs. who you see: Examining factors that influence attention during video lectures," Annual Meeting of the Canadian Society for Brain Behaviour, and Cognition. (2021).

Wong, A., Smith, S., Faber, M., Stetson, T., **Mills, C.** "Text genre effects on task-unrelated and personally-connective thought," Society of Text & Discourse's Annual Meeting. (August 2021).

Colby, A., Kuvar, V., Blanchard, N., Allen, L., **Mills, C.** "Topic constraints influence divergence of task-unrelated thought but not overall rates in conversations," Society of Text & Discourse's Annual Meeting. (July 2020).

Smith, S., Gagne, J., Martin, H., **Mills, C.** "Examining the phenomenology of affect and task-unrelated thought during reading," Society of Text & Discourse's Annual Meeting, Atlanta, Georgia. (July 2020).

Southwell, R., **Mills, C.**, D'Mello, S. K. "Eye Movements can predict deep comprehension during reading," Society of Text & Discourse's Annual Meeting, Atlanta, Georgia. (July 2020).

Dong, H., **Mills, C.**, Knight, R. T., Kam, J. W. "Automatic detection of mind wandering using electroencephalographic measures," Society for Computers in Psychology's Annual Meeting, Montréal, Canada. (2019).

Smith, S., **Mills, C.** "The Influence of mood and generation personal connections on mind-wandering During reading," Annual Meeting of the Psychonomic Society, Montréal, Canada. (2019).

Smith S., Gagne, J., Martin, H., Tilton, L., Allen, L., **Mills, C.** I feel for you: how subjective feelings and textual emotion influence reading comprehension," Society for Computers in Psychology's Annual Meeting. (2019).

Gagne, J., Alpert, R., Porter, A., Smith, S., **Mills, C.** "Using natural language processing tools to predict the dynamics of thought," Society for Computers in Psychology's Annual Meeting, Québec, Canada. (2019).

Forner, N. A., **Mills, C.**, Ross, R. S. "High ruminators use different neural processes during a recognition memory task," Annual Meeting of the Society for Psychophysiological Research, Washington, District of Columbia. (November 2019).

Wormwood, J., **Mills, C.**, Siegel, E., Quigley, K., Feldman-Barret, L. "Are individual differences in affective reactivity consistent across contexts? A multimethod investigation using supervised machine learning,". (March 2019).

Mills, C., Gregg, J., Bixler, R., D'Mello, S. K. "A real-time mind-wandering intervention during reading," 48th annual meeting of the Society for Computers in Psychology, New Orleans, Louisiana. (November 2018).

Irving, Z. C., Kam, J. W Y., **Mills, C.**, Sripada, C., Gopnek, A., Knight, R. T. "The Wandering Brain: Measuring Freely Moving Thought," Summer Seminars in Neuroscience and Philosophy. (June 2018).

Irving, Z., **Mills, C.**, Christoff, K. "How do you measure a wandering mind?," Society for Philosophy and Psychology, Baltimore, Maryland. (June 2017).

Stan, D., **Mills, C.**, Herrera-Bennett, A., Rafaelli, Q., Christoff, K. "Is task-unrelated thought the same as mind wandering?," Society for the Neuroscience of Creativity Conference, San Diego, California. (November 2016).

Kopp, K., **Mills, C.**, D'Mello, S. K. "Mind wandering during film comprehension," 25th annual meeting of the Society for Text and Discourse, Minneapolis, Minnesota. (July 2015).

Mills, C., Phillips, N., D'Mello, S. K. "Mind wandering during re-reading of instructional texts," 25th annual meeting of the Society for Text and Discourse, Minneapolis, Minnesota. (July 2015).

Kopp, K., **Mills, C.**, D'Mello, S. K. "Mind wandering during film comprehension," 27th annual meeting of the Association for Psychological Science, New York, New York. (May 2015).

Mills, C., D'Mello, S., Graesser, A. C. "Perceptions of value and difficulty as antecedents of boredom and mind wandering," 2014 Annual Meeting of the American Educational Research Association, Chicago, Illinois. (April 2015).

Fulmer, S. M., Stev, P., **Mills, C.**, D'Mello, S. K. "Effects of experimentally-manipulated text difficulty and text value on trajectories of emotional engagement," 2015 Annual Meeting of the American Educational Research Association, Chicago, Illinois. (April 2015).

Mills, C., Risko, E., Graesser, A. C., D'Mello, S. K. "Decoupling as a measure of engagement during reading," 24th annual meeting of the Society for Text and Discourse, Chicago, Illinois. (August 2014).

D'Mello, S., Fulmer, S. M., **Mills, C.**, Graesser, A. "Choice and difficulty as antecedents of affect during learning," 2014 Annual Meeting of the American Educational Research Association, Philadelphia, Pennsylvania. (April 2014).

Mills, C. "The influence of text difficulty and the illusion of choice on mind wandering during reading," 2nd Annual Midwestern Cognitive Science Conference, Bloomington, Indiana. (May 2012).

Roche, J. M., **Mills, C.**, Booker, E., Dale, R. "Who I am, What I say, and how I say it: The effects of talker variability on affective language," 9th Annual Meeting of the Auditory Perception, Cognition, and Action Meeting, St. Louis, Missouri. (November 2010).

Poster Presentations

Poulos, M. C., Zamani, A., Pillemer, D. B., Leichtman, M. D., Christoff, K., **Mills, C.** "Investigating the Appraisal Structure of Spontaneous Thoughts: Evidence for Differences Among Unexpected Thought, Involuntary Autobiographical Memories, and Ruminative Thought," 63rd Annual Meeting of The Psychonomic Society, Boston, Massachusetts. (November 2022).

Wong, A. Y., **Mills, C.** "Awareness of Reading Improves Metacomprehension Accuracy," Psychonomic Society's 63rd Annual Meeting, Boston, Massachusetts. (November 2022).

Poulos, M. C., Zamani, A., Pillemer, D. B., Leichtman, M. D., Christoff, K., **Mills, C.** "Utilizing Machine Learning Techniques to Investigate Forms of Spontaneous Thought: Evidence for Differences Among Unexpected Thoughts, Involuntary Autobiographical Memories, and Ruminative Thoughts," Society for Computation in Psychology, Boston, Massachusetts. (November 2022).

Kuvar, V., Flynn, L., Allen, L., & **Mills, C.** Task-unrelated thoughts during conversations – predicting partner TUT using keystroke analysis during computer-mediated conversations. Society for Text and Discourse. Virtual. (July 2022).

Hart, C., **Mills, C.**, Jared, J., Andrews-Hanna, J., Tomfohr, L., Kam, J. "Daily practice of brief mindfulness training reduces negative impact of COVID-19 news exposure on affective well-being," Annual Meeting of the Society of Affective Science. (2021).

Poulos, M., Wang, A., Pascale, M., **Mills, C.** "Task-unrelated though increases during social exclusion," Psychonomic Society's Annual Meeting. (November 2021).

Faber, M., Smith, S., Loyed, A., Stetson, T., **Mills, C.** "Feeling connected: The effects of text genre on thought content during reading," Psychonomic Society's Annual Meeting. (2020).

Oncel, P., Creer, S. D., Berker, K. E., **Mills, C.**, Allen, L. K. "Not all minds think alike: Individual differences in thought patterns during reading," Psychonomic Society's Annual Meeting. (November 2020).

Colby, A., Gliser, L., Allen, L., Kun, A., **Mills, C.** "Pay attention to me: Task-unrelated thought during computer-mediated conversations," Psychonomic Society's Annual Meeting. (November 2020).

McGrath, C., Flynn, L., **Mills, C.** "Boring Ideas: Exploring the effects of boredom on creative idea generation and uniqueness," 6th Annual Meeting of the Society for the Neuroscience of Creativity. (October 2020).

Oncel, P., Creer, S. D., LePoer, C. J., Santos, C. A., **Mills, C.**, Allen, L. K. "Catcher in the mind: An examination of visual and verbal patterns during reading," Society of Text & Discourse's Annual Meeting, Atlanta, Georgia. (July 2020).

Colby, A., Gliser, I., Allen, L., **Mills, C.** "Pay attention to me: Group identity and mind-wandering in text communication," Society of Text & Discourse's Annual Meeting. (July 2020).

Kam, J. W. Y., Irving, Z. C., **Mills, C.**, Patel, S., Gopnik, A., Knight, R. T. "Distinct electrophysiological signature of task-unrelated and dynamic thoughts," Cognitive Neuroscience Society's Annual Meeting, San Francisco, California. (June 2020).

Ucci, O., Martin, H., Gagne, J., Smith, S., **Mills, C.** "The significance of personal connection generation in reading comprehension and mind wandering processes," New England Psychological Association's Annual Meeting, Hooksett, New Hampshire. (November 2019).

Smith, S. L., **Mills, C.** "Positive connections: dissociable effects of mood on mind-wandering during reading," Society for Text and Discourse, New York, New York. (July 2019).

Sonia, A., **Mills, C.**, O'Brien, E. J. "Text-based manipulation of the coherence threshold," Society for Text and Discourse, New York, New York. (July 2019).

Mills, C., Smith, G. K., Dowell, N., Ghattan, S., Christoff, K. "How do the contents of wandering mind unfold over time? An automated computational linguistic approach," 59th annual meeting of the Psychonomic Society, New Orleans, Louisiana. (November 2018).

Mills, C., Dowell, N., Christoff, K. "Using automated measures of cohesion to assess the wandering mind: A think-aloud study," Society for Text and Discourse, Brighton, England, United Kingdom. (July 2018).

Mills, C., Smith, G. K., Christoff, K. "What is a wandering mind? Dissociating dimensions of thought through diurnal rhythms," 58th annual meeting of the Psychonomic Society, Vancouver, Canada. (November 2017).

Mills, C., Stan, D., Rafaelli, A., Christoff, K. "Diurnal Rhythms in Freedom of Thought," Society for Neuroscience of Creativity, San Francisco, California. (March 2017).

Mills, C., Risko, E., Graesser, A. C., D'Mello, S. K. "Cognitive coupling," 28th annual meeting of the Association for Psychological Science, Chicago, Illinois. (May 2016).

Faber, M., **Mills, C.**, D'Mello, S. K. "The effect of disfluency on mind wandering," 28th annual meeting of the Association for Psychological Science, Chicago, Illinois. (May 2016).

Mills, C., Seli, P., Fornin, N., D'Mello, S. K., Smilek, D., Risko, E. F. "The effect of text difficulty on intentional and unintentional mind-wandering," Canadian Society for Brain, Behaviour, and Cognitive Science, Ottowa, ON, Canada. (May 2016).

Wilson, K., **Mills, C.**, D'Mello, S. K., Smilek, D., Risko, E. F. "You are more seductive than you think: Videos of lectures may capture attention and impair learning," Canadian Society for Brain, Behaviour, and Cognitive Science, Ottowa, ON, Canada. (May 2016).

Mills, C., Stan, D., Rafaelli, Q., Christoff, K. "Diurnal Rhythms in Freedom of Thought: An Experience Sampling Study," Cognitive Neuroscience Society Conference, San Francisco, California. (March 2016).

Mills, C., Risko, E., Graesser, A. C., D'Mello, S. K. "Cognitive coupling during reading," 56th annual meeting of the Psychonomic Society, Chicago, Illinois. (November 2015).

D'Mello, S. K., Kopp, K., **Mills, C.** "Mind wandering during film comprehension: The role of prior knowledge and situational interest," 56th annual meeting of the Psychonomic Society, Chicago, Illinois. (November 2015).

Kopp, K., **Mills, C.**, Lehman, B., Graesser, A. C., D'Mello, S. K. "Influencing the occurrence of mind wandering during reading," 24th annual meeting of the Society for Text and Discourse, Chicago, Illinois. (August 2014).

Dowell, N., D'Mello, S. K., **Mills, C.**, Graesser, A. C. "Topic effects on linguistic and rubric-based writing evaluation," 21st Annual Meeting of the Society for Text and Discourse, Poitiers, France. (July 2011).

Mills, C., O'Brien, M. "Reactance and self-affirmation: How treats to self affect resistance persuasion," 82nd Annual Meeting of the Midwestern Psychological Association, Chicago, Illinois. (May 2010).

Mills, C., Roche, J. M., R. D., Farmer, T., Zevin, J. "What Memphis do you speak?," 56th Annual Meeting for the Southeastern Psychological Association, Chattanooga, Tennessee. (March 2010).

Media Coverage/Contributions

US News, Can Sadness be Good for Reading?	2017
Science Daily, Where do our minds wander? Brain waves can point the way	
The Conversation, Mindfulness meditation in brief daily doses can reduce negative mental health impact of COVID-19	2021
Medical Press, Mindfulness meditation in brief daily doses can reduce negative mental health	

impact of COVID-19

Psychology Today, Alpha-Powered Brain Waves May Unclamp Freely Moving Thoughts	2021
Adaption Institute, Brain Waves and Your Wandering Mind	
The Science Breaker, What's on your mind? A sneak-peek of your wandering thoughts	2022
Ted-Ed, YouTube, The Benefits of Day Daydreaming	2022
Minnesota Public Radio, Finding focus in a scattered time	2022
Inverse, How to Unblock your Creativity?	2022
Inc., Science says These Simple Brain Habits Can Make Anybody More Creative	2022
Yahoo, Scientists discover why we have our best ideas in the shower	2022
ZME Science, Science may finally explain why some of the best ideas come while taking a shower	2022
Technology Networks, Why Do "Eureka" Moments Occur in the Shower?	2022
Washington Post, Why do we get our best ideas in the shower?	2022
Medium, Are you unlocking creativity? Or stifling it?	2023
Getting Smart, Can Edtech Be Used to Better Serve Daydreamers?	2023

TEACHING

Instructional Activity

University of Minnesota
EPSY 8114 Learning and Cognition: Mind wandering, Daydreaming and Creativity	F2022
EPSY 3303 Educational Psychology Undergraduate Research Experience	S2023
EPSY 8114 Predictive Analytics	F2023

University of New Hampshire
PSYC 741W Science of Daydreaming and Imagination	F18-S22
PSYC 402 Statistics in Psychology	F20-F21
PSYC 914 Advanced Topics in Cognition	F19

ADVISING AND MENTORING

Undergraduate Students Advised
Amanda Bagnardi, Neuroscience Honor's Thesis, UNH	2018-2019
Benton Edwards, Directed Research, UNH	2018-2019
Madison Abeels, Directed Research, UNH	2018-2019
Travis Horan, Directed Research, UNH	2018-2020
Andrew Porter, Directed Research, UNH	2018-2020
Olivia Ucci, Directed Research, UNH	2018-2021
Catherine McGrath, Psychology Honor's Thesis, UNH	2019-2020
Heidi Martin, Directed Research, UNH	2019-2020
Lauren Flynn, Directed Research, UNH	2019-2020
Jacob Gagne, Directed Research, UNH	2019-2020
Jacquella Carpenter, Directed Research, UNH	2019-2020
Ian Gliser, Directed Research, UNH	2019-2021
Elizabeth Rebuck, Directed Research, UNH	2019-2021
Alexandra Ecker, Directed Research, UNH	2019-2021
Alexis Lloyed, Directed Research, UNH	2019-2020
Tyler Stetson, UROP summer research + directed research, UNH	2019-2021
Sonthaya Lacy, Neuroscience Honor's Thesis, UNH	2020-2021

Darya McSweeney, Neuroscience Honor's Thesis, UNH	2021-2022
Mya Urena, McNair Scholar, UNH	2021-2022
Kaleb Ducharme, Directed Research, UNH	2021-2022
William Bauer, Directed Research, UNH	2021-2022
Alyssa Hall, Directed Research, UNH	2021-2022
Julia Priest, Psychology Honor's Thesis, UNH	2020-present
Allison Route, UMN	2023

Graduate Student Activities

Primary Advisees

Shelby Smith, PhD Psychology	2023
Alexander Colby, MA Psychology	2021
M. Cati Poulos, PhD Psychology	2020-present
Vishal Kuvar, PhD Educational Psychology	2021-present
Mya Urena, PhD Educational Psychology	2022-present
Justine Scatterelli, PhD Educational Psychology (co-advised)	2023-present

Co-Advisees

Justine Scatterelli, PhD Educational Psychology (w/ Kendeou)	2023-present

Committee Advising

Christopher Williams, PhD Psychology	2019
Allison Sonia, MA, PhD Psychology	2019-2022
Derrick Angier, MA Psychology	2019
Nicole Forner, MA, PhD Psychology	2019-2021
Luke Pezanko, MA Psychology	2020
Divya Nagaraju, MA Electrical & Computer Engineering	2020
Alberta Ansah, MA Electrical & Computer Engineering	2021
Nabil Ch, MA Electrical & Computer Engineering	2021
Vishal Kuvar, MA Computer Science	2020
Puren Oncel, MA Psychology	2020
Madison Clement, MA Psychology	2022
Lauren Flynn, MA Psychology	2022
Tyler Allen, MA Psychology	2022
Salija Wickramaratne, PhD Electrical & Computer Engineering	2022
Berna Altunsik, MA Psychology	2023
Zack Carpenter, MA Educational Psychology	2023
Justine Scatterelli, MA Educational Psychology	2023
Jennifer Doll, PhD Educational Psychology	2023-present

POST DOC MENTORSHIP

Aaron Wong	2020-present
University of New Hampshire/University of Minnesota	
Nabil Ch	2023-present
University of Minnesota	
Lingfei Luan *co-advised with Laura Allen	2023-present
University of Minnesota	
Marianna Pagkratidou *co-advised with Learning Informatics Lab	2023-present
University of Minnesota	

SERVICE

Service to the Discipline/Profession/Interdisciplinary Area(s)

Editorial Roles

Technology, Mind, and Behavior	2023; Special Issue on AI-based measurement
British Journal of Educational Technology	2023; Special Issue Theory in the Age of AI
Journal of Educational Psychology	2022, 2023; Guest Editor
Discourse Processes	2021; Special Issue on ST&D Annual Meeting

Editorial Boards

Learning Letters	2023-present
Journal of Educational Psychology	2022-present
Technology, Mind, and Behavior	2020-present

Society Leadership

President, Society for Computation in Psychology	2023

Steering Committee

Society for Computation in Psychology	2021-2023

Program Committees

Learning Analytics and Knowledge Conference	2018-present
Society for Text and Discourse	2019-2023
Intelligent Tutoring Systems Conference	2022-2023
Artificial Intelligence in Education Conference	2022-2023
Educational Data Mining	2022-2023
Empowering Learners through Artificial Intelligence	2022-2023
International Conference on Multimodal Interaction	2023
CHI-WORK	2022
Cognitive Science Society	2022
International Conference of the Learning Sciences	2022
Affective Computing & Intelligent Interaction	2019

Ad-hoc Reviewing

Nature Communications
Nature Human Behavior
PNAS Nexus
Perspectives in Psychological Science
NeuroImage
Journal of Experimental Psychology: Learning Memory and Cognition
Cognition
Journal of Experimental Psychology: Human Perception and Performance
Emotion
Cortex
Scientific Studies of Reading
Psychiatry Research
Clinical Psychological Science
Cognitive Science
Journal of Experimental Education
Learning and Instruction
Learning and Individual Differences
Brain Research
Behavior Research Methods

British Journal of Educational Technology
Behavioral and Brain Functions
PLOS ONE
The Internet and Higher Education
User Modeling and User Adapted Interaction
Scientific Reports
Discourse Processes
IEEE Transactions on Learning Technologies
International Journal of Artificial Intelligence
Psychonomic Bulletin and Review
Consciousness and Cognition

Organization of Conferences, Panels, Workshops

Associate Program Chair, CHI 2024: 'Understanding People: Statistical and Quantitative Methods'	2024
President/Organizer, Annual Conference for Society for Computation in Psychology	2023
Co-Organizer, Workshop on Affect, LAK	2023
Organizer, Panel on AI Literacy, ELAI	2022
Conference Organizer, Society for Text and Discourse	2021
Organizer, Workshop for Undergraduate Research, EDM	2021
Workshop Chair, LAK	2021
Co-Organizer, Diversity and Inclusion Panel, LAK	2021
Co-Organizer, Workshop on Spontaneous Thought in Science and Society	2017

Service to the University/College/Department

University of Minnesota

Collegiate and Intercollegiate

Co-director, Learning Informatics Lab	2022-present
World's Challenge Challenge (WCC) Judge	2022-present

Departmental

QME Search Committee	2023-2024
Undergraduate Advisory Committee	2022-present

University of New Hampshire

University

Senior Vice Provost for Research Search Committee	2019-2020
Faculty Senate	2021-2022
Electrical and Computer Engineering Dept. Search Committee	2019-2020

College

Working Group for Data Science Education	20219

Departmental

Co-Search Chair, Cognitive Psychology Tenure-Track Position	2022
Advisory/Space Committee	2019-2022
Graduate Admissions Committee	2018-2022