

Curriculum Vitae

Caitlin S. Mills

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[Google Scholar](#)

EDUCATION

2011-2016 Ph.D., Cognitive Psychology, University of Notre Dame
2012-2014 M.A., Psychology, University of Notre Dame
2010-2011 Ph.D. candidate, Cognitive Psychology, The University of Memphis
2006- 2010 B.A., Psychology, Christian Brothers University

PROFESSIONAL EXPERIENCE

Assistant Professor August 2018-present	University of New Hampshire Department of Psychology
Postdoctoral Fellow September 2016-July 2018	University of British Columbia Cognitive Neuroscience of Thought Lab Supervisor: Dr. Kalina Christoff
Graduate Research Assistant January 2012-Aug. 2016	University of Notre Dame Emotive Computing Lab Supervisor Dr. Sidney D'Mello
Graduate Research Assistant August 2010-Dec. 2011	University of Memphis Emotive Computing Lab Supervisors: Dr. Sidney D'Mello & Dr. Art Graesser

RESEARCH FUNDING

Under Review

2021 (\$4,896,958). PEGASUS: Perceptually Embodied Guidance with Awareness for Sharing Understanding and Skills.
Agency: DARPA
Role: *Co-PI*

Ongoing

2020 (\$899,702). Making Learning Visible: Scalable, Multi-system detection of Self-regulation Related to Executive Function.
Agency: Chan Zuckerberg Initiative / Gates Foundation
Role: *Co-PI*

- 2020 (\$30,000). Interdisciplinary Working Group on Technology and the Future of Work.
Agency: UNH CoRE
Role: *Co-PI*
- 2019 (\$795,600). Investigating Spontaneous Thought using Dynamic Brain Connectivity and Experience Sampling.
Agency: Canadian Institutes of Health Research
Role: *Co-PI*

Completed Support

- 2019 (\$30,000). Toward Automatically Detecting Mind-wandering while Driving.
Agency: UNH CORE
Role: *PI*
- 2019 (\$5,000). International Research Collaboration.
Agency: Peter Wall Institute for Advanced Scholars
Role: *PI*
- 2018 (\$20,160). The Wandering Brain: Measuring Freely Moving Thoughts.
Agency: Templeton Foundation
Role: *Co-PI*
- 2017 (\$38,200). Workshop on Spontaneous Thought in science and society.
Agency: Peter Wall Institute for Advanced Scholars
Role: *Co-PI*

JOURNAL PUBLICATIONS

°indicates mentored UNH student/postdoc

*equally contributing authors

Kam, J.W.Y., Javed, J., Hart, C., Andrews-Hanna, J., Tomfohr-Madsen, L., **Mills, C.** (in press). Daily practice of brief mindfulness training reduces negative impact of COVID-19 news exposure on affective well-being. *Psychological Research*.

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*. (advance online)

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.**, *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 (1817).

- 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.**, 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.
- 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
- 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
- °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.
- Girn, M., **Mills, C.**, Christoff, K. (2019). Linking Brain Network Reconfiguration and Intelligence: Are we there yet? *Trends in Neuroscience and Education*. 15, 62-70.
- 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.
- Zedelius, C., **Mills, C.**, Schooler, J. (2019). Beyond Subjective Judgments: Predicting Evaluations of Creative Writing from Computational Linguistic Features. *Behavior Research Methods*. 51(2), 879-894.
- 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.
- 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.

- Mills, C.** & Christoff, K. (2018). Finding Consistency in Boredom by Appreciating its Instability. *Trends in Cognitive Sciences*. 22(9), 744-747.
- 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.
- 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.
- *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.
- Faber, M. & **Mills, C.** (2018). The critical role of the hippocampus in mind wandering. *Journal of Neuroscience*. 38(29), 6439-6441.
- 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.
- 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.
- Rafaelli, Q., **Mills, C.**, Christoff, K. (2018). The knowns and unknowns of boredom: A review of the literature. *Experimental Brain Research*, 236(9), 2451-2462.
- 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., Dawson, S., Graesser, A. C., & Brooks, C. (2018). How do we model learning at scale? A systematic review of the literature. *Review of Educational Research*, 88(1), 43-86.
- 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.**, Girm, 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.
- 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. (2016). Mind wandering during film comprehension. *Psychological Bulletin and Review*. 23(3), 842-848.
- Phillips, N., **Mills, C.**, & D’Mello, S.K., Risko, E.F. (2016). On the influence of re-reading on mind wandering. *Quarterly Journal of Experimental Psychology*, 69(12), 2338-2357.
- 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.
- 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.**, & D’Mello, S.K. (2014). On the validity of the autobiographical emotional memory task for emotion induction. *PLOS One*, 9(4): e95837.
- D’Mello, S.K., **Mills, C.**, (2014). Emotions during emotional and non-emotional writing. *Motivation and Emotion*, 38(1), 140-156.
- Lehman, B., D’Mello, S.K., Strain, A.C., **Mills, C.**, Gross, M., Dobbins, A., Wallace, P., Millis, K., Graesser, A.C. (2013). Inducing and tracking confusion with contradictions during complex learning. *International Journal of Artificial Intelligence in Education*, 22(2), 85-105.

PUBLISHED PROCEEDINGS (Strictly Peer Reviewed)

- Katrahmani, A., °Ansah, A., °Ch, N., Burmeister, J., Kun, A.K., **Mills, C.**, Shaer, O., Lee, J. (in press). The instability of creativity over weeks through the lens of distributional models. In *Proceedings of Human Factors and Ergonomics Society Conference (HFES 2021)*.
- Baker, R., **Mills, C.**, Boser, U. (in press). Workshop for undergraduates in educational data mining and learning engineering. In *Proceedings of International Educational Data Mining Conference (EDM 2021)*.

°Ch, N. °Ansah, A., Katrahmani, A., Burmeister, J., Kun, A., **Mills, C.**, Shaer, O., Lee, J. (in press). 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)*.

°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. **[Best Short Paper Award]**

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. **[Best Paper Award Nominee]**
- 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. **[Winner of James Chen Best Student Paper Award]**
- 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. **[Winner of Best Paper Award]**
- 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: New York, 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)alignment of personal positions with instructed positions. Proceedings of 26th Florida Artificial Intelligence Research Society Conference (pp. 509-514). Menlo Park, CA: AAAI Press [**Winner of Best Overall Paper and Best Student Paper Awards**]
- 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.

OTHER

Mills, C., °McGrath, C. (2020). A Boring Overview. *Frontiers for Young Minds*.
**invited submission, peer reviewed by children/editors

BOOK CHAPTERS

Mills, C. & Christoff, K. (2019). Constructed Futures. In P. Tortell, M. Turin, & M. Young (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 episodic efficiency and semantic optimization. In & K.C.R. Fox & K. Christoff (Eds.), *The Oxford Handbook of Spontaneous Thought: Mind-wandering, Creativity, Dreaming, and Clinical Conditions* (pp. 11 - 24). New York: Oxford University Press.

AWARDS *awarded to mentored student

- 2019 **Castellan Best Student Paper Award:** Society of Computers in Psychology*
- 2019 **Best Overall Short Paper Award:** Learning Analytics and Knowledge Conference
- 2017 **James Chen Best Student Paper Award:** 25th International Conference on User Modeling, Adaptation, and Personalization
- 2017 **Best Overall Paper Award:** 11th International Conference on Augmented Cognition
- 2016 **Psychology Department Graduate Student Teaching Award,** University of Notre Dame
- 2013 **Best Overall Paper Award:** Florida Artificial Intelligence Research Society Conference
- 2013 **Best Student Paper Award:** Florida Artificial Intelligence Research Society Conference
- 2010 **Behavioral Sciences Faculty Award,** Christian Brothers University

TEACHING EXPERIENCE

The Science of Daydreaming, UNH

Evaluations	F20: 5/5	S19: 5/5
	F19: 4.9/5	F18: 5/5

Advanced Topics in Cognition: Graduate Seminar, UNH

Evaluations	F19: 5/5
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Introduction to Statistics, UNH
Evaluations F20: 4.35/5

MENTORED UNH STUDENTS

Ph.D. students

Shelby Smith Vishal Kuvar
Alexander Colby
M. Cati Poulos

Summer Undergraduate Research Fellowship

Tyler Stetson (2020)

Graduate Student Committees

Psychology

Madison Clement (MA) Chris Williams (PhD)
Nicole Forner (MA; PhD) Puren Oncel (MA)
Derrick Angier (MA) Allison Sonia (MA)
Tyler Allen (MA)

Electrical Computer

Engineering/Computer Science

Divya Nagaraju (MS, ECE)
Alberta Ansah (MS; PhD, ECE)
Vishal Kuvar (MS, CS)
Nabil Ch (MS; PhD, ECE)

Undergraduate Independent Study

Sydney Eldridge Tyler Stetson
Ian Gliser Liz Rebeck
Laura Tilton Travis Horan
Alexis Loyed

Honors Thesis

Amanda Bagnardi (Neuro)
Dara McWeeney (Neuro)
Catherine McGrath
Sonthaya Lacy

INVITED TALKS

An interdisciplinary view of mind-wandering. Computer Science Department, Colorado State University, USA, April 2021

Mind-wandering in everyday life. COLA Research, March 25, 2021, UNH

Task-unrelated thought, creativity, and the future of work. Human Computer Interaction in the Future of Work Conversation Series, Online, September 2020

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

When and why the mind wanders: Evidence from the lab, classroom, and everyday life.
Mississippi State Colloquium Series, Mississippi State University, USA,
November 2018

Mind Wandering during Online Learning: Should we care? AIM Learning Analytics
Seminar, University of Michigan, USA, September 2017

Mind wandering is a Dynamic Concept: The Insufficiency of Content-based Approaches.
Mind Wandering Symposium, Vancouver, Canada, June 2017

Attentional Computing to Enhance Human Performance. Invited speaker at the
University of Waterloo workshop on Engaging the Wandering Mind: Exploring
the cognitive, neural and applied consequences of boredom. University of
Waterloo, Canada, October 2015

CONFERENCE PRESENTATIONS

° indicates mentored student

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

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. (2021). *Presented at the Annual Meeting of the Society of
Affective Science.* Virtual.

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

°Colby, A., °Gliser, I., Allen, L., Kun, A. & **Mills, C.** (2020, November). Pay attention to
me: Task-unrelated thought during computer-mediated conversations. *Poster
presented at the Psychonomic Society's Annual Meeting.* Virtual.

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

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

- Kam, J.W.Y., Irving, Z.C., **Mills, C.**, Patel, S., Gopnik, A., Knight, R.T. (2020, June). Distinct electrophysiological signatures of task-unrelated and dynamic thoughts. *Poster to be presented at the Cognitive Neuroscience Society's Annual Meeting*. San Francisco, CA, USA.
- °Colby, A., °Gliser, I., Allen, L., & **Mills, C.** (2020, July). Pay attention to me: Group identity and mind-wandering in text communication. *Poster to be presented at the Society of Text & Discourse's Annual Meeting*. Atlanta, Georgia, USA.
- °Smith, S., °Gagne, J., °Martin, H., & **Mills, C.** (2020, July). Examining the phenomenology of affect and task-unrelated thought during reading. *Talk accepted at the Society of Text & Discourse's Annual Meeting*, Atlanta, Georgia, USA.
- Oncel, P., Creer, S.D., LePoer, C. J., Santos, C. A., **Mills, C.**, & Allen, L. K. (2020, July). Catcher in the mind: An examination of visual and verbal patterns during reading. *Poster presented at the Society of Text & Discourse's Annual Meeting*. Atlanta, Georgia, USA.
- Southwell, R., **Mills, C.**, D'Mello, S.K. (2020, July). Eye Movements can predict deep comprehension during reading. *Talk accepted at the Society of Text & Discourse's Annual Meeting*, Atlanta, Georgia, USA.
- °Ucci, O., °Martin, H., °Gagne, J., °Smith, S., & **Mills, C.** (2019, November). The significance of personal connection generation in reading comprehension and mind wandering processes. Poster presented at the New England Psychological Association's annual meeting. Hooksett, NH.
- Forner, N.A., **Mills, C.**, Ross, R.S., High ruminators use different neural processes during a recognition memory task. (2019, November). *Presented at the Annual Meeting of the Society for Psychophysiological Research*. Washington, DC, USA.
- °Smith, S., **Mills, C.** (2019) The Influence of mood and generating Personal connections on mind-wandering During reading. *Presented at the Annual Meeting of the Psychonomic Society*. Montréal, Québec, Canada.
- °Dong, H., **Mills, C.**, Knight, R.T., Kam, J.W. (2019). Automatic detection of mind wandering using electroencephalographic measures. *Presented at the Society for Computers in Psychology's Annual Meeting*. Montréal. Québec, Canada. **[Winner of Castellan Best Student Paper Award]**
- °Gagne, J., Alpert, R., °Porter, A., °Smith, S., & **Mills, C.** (2019). Using natural language processing tools to predict the dynamics of thought. *Presented at the Society for Computers in Psychology's Annual Meeting*. Montréal, Québec, Canada.

- °Smith, S., °Gagne, J., °Martin, H., °Tilton, L., Allen, L., & **Mills, C.** (2019). I feel for you: how subjective feelings and textual emotion influence reading comprehension. *Presented at the Society for Computers in Psychology's Annual Meeting*. Montréal, Québec, Canada.
- °Smith, S.L., **Mills, C.** (July, 2019). Positive connections: dissociable effects of mood on mind-wandering during reading. *Paper presented at the Society for Text and Discourse*. New York, NY, USA.
- °Sonia, A., **Mills, C.**, O'Brien, E.J. (July, 2019). Text-based manipulation of the coherence threshold. *Poster presented at the Society for Text and Discourse*. New York, NY, USA.
- Wormwood, J., **Mills, C.**, Siegel, E., Quigley, K., Feldman-Barrett, L. (March, 2019). Are individual differences in affective reactivity consistent across contexts? A multimethod investigation using supervised machine learning.
- Mills, C.**, °Smith, G.K., Dowell, N., °Ghattacharya, S., Christoff, K. (November, 2018). How do the contents of a wandering mind unfold over time? An automated computational linguistic approach. *Poster presented at the 59th annual meeting of the Psychonomic Society*. New Orleans, LA, USA.
- Mills, C.**, Gregg, J., Bixler, R., D'Mello, S.K. (November, 2018). A real-time mind-wandering intervention during reading. *Presented at the 48th annual meeting of the Society for Computers in Psychology*. New Orleans, LA, USA.
- Mills, C.**, Dowell, N., Christoff, K. (July, 2018). Using Automated Measures of Cohesion to Assess the Wandering Mind: A Think-Aloud Study. *Poster presented at the Society for Text and Discourse*. Brighton, England, UK.
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- Mills, C.**, Seli, P., Forrin, N., D’Mello, S.K., Smilek, D., & Risko, E.F. (May, 2016). The effect of text difficulty on intentional and unintentional mind-wandering. *Poster presented at the Canadian Society for Brain, Behaviour, and Cognitive Science*. Ottawa, ON.
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Guest Editor, Discourse Processes Special Issue, 2021

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