Jarrod Moss

Department of Psychology
Mississippi State University
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EMPLOYMENT

2024-Present	Interim Department Head, Psychology, Mississippi State University
2023-Present	Professor, Mississippi State University
2014-2023	Associate Professor, Mississippi State University
2008-2014	Assistant Professor, Mississippi State University

EDUCATION

2007-2008	Postdoctoral Fellow, University of Pittsburgh
2006-2007	Postdoctoral Fellow, Carnegie Mellon University
2001-2006	Ph.D., Psychology, Carnegie Mellon University
1998-2000	B.S., Cognitive Science with minor in Computer Science, Carnegie Mellon University

RESEARCH INTERESTS

My primary interests are in understanding mechanisms of learning and skill acquisition and how they interact with the strategies used in complex tasks involving problem solving, discourse comprehension, or decision making. I am also interested in individual differences in cognitive abilities and their interaction with strategy development and selection.

GRANTS

Strategy Development and Adaptation in Problem Solving. Office of Naval Research. PI. 7/1/21-1/31/25. Total costs: $650,183.

Strategy Adaptivity and Metacognitive Monitoring as Bases of Individual Differences in Learning and Skill Acquisition. Office of Naval Research. PI. 3/1/17- 2/28/20. Total costs: $619,593.

Biologically-based Training for Adaptive Multitasking Strategies. Office of Naval Research. PI. 4/16/13-12/31/16. Total costs: $781,564.

Biologically-based Training for Adaptive Multitasking Strategies. Office of Naval Research. Co-PI with Stephanie Doane. 4/16/10-4/15/13. Total costs: $623,695.

Biologically Accelerated Learning Technology: Phase II. Defense Advanced Research Projects Agency. PI on subcontract. 9/1/09-2/28/11. Subcontract total costs: $149,783.

Selection Measures for Team Process Skill Acquisition and Adaptation. NPRST. PI on child account. 4/1/09-1/31/10. Child account total costs: $70,000.

PUBLICATIONS (* denotes students from my lab, + denotes other students)

Journal Articles

*Xie, X., & Moss, J. (2025). Task representation and individual differences affect strategy selection and problem-solving performance. *Frontiers in Psychology*, *16*, 1445200.

*Cranford, E. A., Moss, J., (2023). Representation of predictive inferences when multiple alternatives are available. *Discourse Processes 60*(3), 181-201.

*Wong, A. Y., Moss, J. (2022). Metacomprehension and regressions during reading and rereading. *Metacognition and Learning 17*(1), 53-71.

Moss, J., *Wong, A. Y., *Durriseau, J. A., Bradshaw, G. L. (2022). Tracking strategy changes using machine learning classifiers. *Behavior Research Methods 54*, 1818-1840. https://doi.org/10.3758/s13428-021-01720-4

*Cranford, E. A., Moss, J. (2019). Generating predictive inferences when multiple alternatives are available. *Discourse Processes 56*(4), 289-309.

*Jones, W. E., Moss, J. (2019). Assessing the transfer of interruption resumption skill to novel tasks. *Journal of Experimental Psychology: Applied, 25*(2), 230-244.

+Goucher-Lambert K., Moss J., Cagan J. (2019). A neuroimaging investigation of design ideation with and without inspirational stimuli—understanding the meaning of near and far stimuli. *Design Studies*, *60,* 1-38.

*Cranford, E. A., Moss, J. (2018). Mouse-tracking evidence for parallel anticipatory option evaluation. *Cognitive Processing, 19*(3)*,* 327-350.

+Goucher-Lambert K., Moss J., Cagan J. (2017). Inside the mind: Using neuroimaging to understand moral product preference judgments involving sustainability. *Journal of Mechanical Design, 139*(4)*,* 041103.

*Wong A.Y., Moss J., Schunn C.D. (2016). Tracking reading strategy utilization through pupillometry. *Australasian Journal of Educational Technology, 32*(6).

Moss, J., Schunn, C. D., (2015). Comprehension through explanation as the interaction of the brain's coherence and cognitive control networks. *Frontiers in Human Neuroscience, 9*(562).

+Bai, H., *Jones, W. E., Moss, J., & Doane, S. M. (2014). Relating individual differences in cognitive ability to multitasking performance: Interruption recovery and task difficulty. *Learning and Individual Differences, 35*, 22-33.

Moss, R. A. & Moss, J. (2014). Commentary on the Pinotsis and Friston Neural Fields DCM and the Cadonic and Albensi Oscillations and NMDA Receptors Articles. *AIMS Neuroscience, 1*(2), 158-162.

Moss, R. A. & Moss, J. (2014). The role of dynamic columns in explaining gamma-band synchronization and NMDA receptors in cognitive functions. *AIMS Neuroscience, 1*(1), 65-88.

Moss, J., Schunn, C. D., Schneider, W., & McNamara, D. S. (2013). The nature of mind wandering during reading varies with the cognitive control demands of the reading strategy. *Brain Research, 1539*, 48-60.

*Cranford, E. A., Moss, J. (2012). Is insight always the same? A protocol analysis of insight in compound remote associate problems. *The Journal of Problem Solving, 4*(2), Article 8.

Moss, J., Kotovsky, K., & Cagan, J. (2011). The effect of incidental hints when problems are suspended before, during, or after an impasse. J*ournal of Experimental Psychology: Learning, Memory, and Cognition, 37*(1), 140-148.

Moss, J., Schunn, C. D., Schneider, W., McNamara, D. S., & VanLehn, K. (2011). The neural correlates of strategic reading comprehension: Cognitive control and discourse comprehension. *NeuroImage*, *58*(2), 675-686.

Tseng, I., Moss, J., Cagan, J., & Kotovsky, K. (2008). The role of timing and analogical similarity in the stimulation of idea generation in design, *Design Studies 29*(3), 203-221.

Moss, J., Kotovsky, K., & Cagan, J. (2007). The influence of open goals on the acquisition of problem relevant information. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *33*(5), 876-891.

Moss, J., Kotovsky, K., & Cagan, J. (2006). The role of functionality in the mental representations of engineering students: Some differences in the early stages of expertise. *Cognitive Science*, *30*(1), 65-93.

Moss, J., Cagan, J., & Kotovsky, K. (2004). Learning from design experience in an agent-based design system. *Research in Engineering Design, 15*(2), 77-92.

Peer-Reviewed Proceedings Papers

*Creel, E. W., Moss, J. (2024). Exploring the predictive power of eye movements on insight problem solving. *Proceedings of the 46th Annual Meeting of the Cognitive Science Society* (pp. 4350-4356). Rotterdam: Cognitive Science Society.

*Rahgosha, P., Moss, J. (2024). Does Working Memory Load Influence the Prioritization Effect by Affecting the Consistency of Attention? *Proceedings of the 46th Annual Meeting of the Cognitive Science Society* (pp. 4497-4503). Rotterdam: Cognitive Science Society.

*Xie, X., Moss, J. (2024). Comparing theories that posit a role for task features in strategy selection. *Proceedings of the 46th Annual Meeting of the Cognitive Science Society* (pp. 4062-4068). Rotterdam: Cognitive Science Society.

*Williamson, E. A., Moss, J. (2022). Examining prioritization in working memory for verbal and visual stimuli. *Proceedings of the 44th Annual Meeting of the Cognitive Science Society* (pp. 3222-3228). Toronto: Cognitive Science Society.

Moss, J., Bradshaw, G. L., *Wong, A. Y., *Durriseau, J. A., *Newlin, P., & +Barnes, K. (2020). Tracking and improving strategy adaptivity in a complex task. In D. D. Schmorrow & C. M. Fidopiastis (Eds.), *Proceedings of the International Conference on Human-Computer Interaction: Augmented Cognition* (pp. 416–433). Springer.

*Newlin, P., Moss, J. (2020). Proceduralization and working memory in association learning. *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society* (pp. 191-197). Toronto: Cognitive Science Society.

+Goucher-Lambert, K., Moss J., Cagan J. (2018). Unsuccessful external search: Using neuroimaging to understand fruitless periods of design ideation involving inspirational stimuli. In J. Gero (Ed.), *Design Computing and Cognition '18* (pp. 37-54). Springer.

+Goucher-Lambert, K., Moss J., Cagan J. (2018). Inspired internal search: Using neuroimaging to understand design ideation and concept generation with inspirational stimuli. *Proceedings of the 2018 ASME Design Theory and Methodology Conference.* New York: ASME.

+Goucher-Lambert, K., Moss J., Cagan J. (2017). A meta-analytic approach for uncovering neural activation patterns of sustainable product preference decisions. In J. Gero (Ed.), *Design Computing and Cognition '16* (pp. 173-191). Springer.

+Goucher-Lambert K., Moss J., Cagan J. (2016). Using neuroimaging to understand product preference judgments involving sustainability. *Proceedings of the 2016 ASME Design Theory and Methodology Conference.* New York: ASME.

*Jones, W. E., Moss, J. (2015). Interruption-recovery training transfers to novel tasks. *Proceedings of the Thirty-seventh Annual Conference of the Cognitive Science Society* (pp. 1027-1032), Austin, TX: Cognitive Science Society.

Gregory, A., Herrmann, M. M., Miller, B., & Moss, J. (2013). Integrated practice and architecture education: The evolution of a pedagogy. *Proceedings of the 2013 ARCC Spring Research Conference* (pp. 310-320). Charlotte, NC: University of North Carolina at Charlotte.

Gregory, A., Herrmann, M. M., Miller, B., & Moss, J. (2013). Inter-actions: The making of an integrated practice studio. *The National Conference on the Beginning Design Student 2013*. Philadelphia, PA.

Herrmann, M. M., Gregory, A. D., Miller, B., & Moss, J. (2013). An industry-sponsored competition to explore integrated project delivery in an educational setting. *Proceedings of the Annual Conference of the Associated Schools of Construction.* Fort Collins, CO: Associated Schools of Construction.

*Cranford, E. A., & Moss, J. (2011). Is insight always the same? An fMRI study of insight. *Proceedings of the Thirty-third Annual Conference of the Cognitive Science Society* (pp. 3558-3563). Austin, TX: Cognitive Science Society.

Moss, J., Schunn, C. D., Schneider, & W., McNamara, D. S. (2011). An fMRI study of zoning out during strategic reading comprehension. *Proceedings of the Thirty-third Annual Conference of the Cognitive Science Society* (pp. 1218-1223). Austin, TX: Cognitive Science Society.

*Cranford, E. A., & Moss, J. (2010). Investigating insight using compound remote associate problems. *Proceedings of the Thirty-second Annual Conference of the Cognitive Science Society* (pp. 1768-1773). Austin, TX: Cognitive Science Society.

Moss, J., Schunn, C. D., Schneider, W., McNamara, D. S., & VanLehn, K. (2010). An fMRI study of strategic reading comprehension. *Proceedings of the Thirty-second Annual Conference of the Cognitive Science Society* (pp. 1319-1324). Austin, TX: Cognitive Science Society.

Tseng, I., Moss, J., Cagan, J., & Kotovsky, K. (2008). Overcoming blocks in conceptual design: The effects of open goals and analogical similarity on idea generation. *Proceedings of the 2008 ASME Design Theory and Methodology Conference.* New York: ASME.

Moss, J., Cagan, J., & Kotovsky, K. (2007). Design ideas and impasses: The role of open goals. *Proceedings of the 16th International Conference on Engineering Design*.

Moss, J., Kotovsky, K., & Cagan, J. (2004). Cognitive investigations into knowledge representation in engineering design. In J. Gero (Ed.), *Design Computing and Cognition 2004* (pp. 97-116). Dordrecht, Netherlands: Kluwer.

Moss, J., Cagan, J., & Kotovsky, K. (2002). Learning from design experience in an agent-based design System. In J. Gero and F. Brazier (Eds.), *Agents in Design 2002* (pp. 181-200). Sydney, Australia: Key Centre of Design Computing and Cognition, University of Sydney.

Chapters and Other Publications

Eakin, D. K., & Moss, J. (2018). The methodology of metamemory and metacomprehension. In Otani, H. & Schwartz, B. *Handbook of Research Methods in Human Memory* (pp. 125-153). Routledge.

Moss, J. (2015). Introduction to AIMS Neuroscience Special Issue "What Function Does the Anterior Insula Play in Human Cognition?" *AIMS Neuroscience*, *2*(3), 153–154.

CONFERENCE PRESENTATIONS (* denotes students from my lab, + denotes other students)

Xie, X., Moss, J. (2025). Is there a strategy switch cost when switching strategies within one task? Poster presented at the 47th Annual Meeting of the Cognitive Science Society. San Francisco, California.

Creel, E. W., Moss, J. (2024). Exploring the predictive power of eye movements on insight problem solving. Poster presented at the 46th Annual Meeting of the Cognitive Science Society. Rotterdam.

*Rahgosha, P., Moss, J. (2024). Does Working Memory Load Influence the Prioritization Effect by Affecting the Consistency of Attention? Poster presented at the 46th Annual Meeting of the Cognitive Science Society. Rotterdam.

*Xie, X., Moss, J. (2024). Comparing theories that posit a role for task features in strategy selection. Poster presented at the 46th Annual Meeting of the Cognitive Science Society. Rotterdam.

Moss, J. (2023). Individual Differences in Cognitive Control and Learning Optimal Task Strategies. Poster presented at 2023 Military Health System Research Symposium. Kissimmee, Florida.

*Williamson, E. A., Moss, J. (2023). Insights from the past: Does access to previous problem attempts facilitate restructuring in insight problems? Poster presented at the 64th Annual Meeting of the Psychonomic Society. San Francisco, California.

*Xie, X., & Moss, J. (2023). Interaction between the recency effect and strategy preferences in problem solving. Poster presented at the 64th Annual Meeting of the Psychonomic Society. San Francisco, California.

*Williamson, E. A., Moss, J. (2022). Examining prioritization in working memory for verbal and visual stimuli. Poster presented at the 44th Annual Meeting of the Cognitive Science Society. Toronto, Canada.

*Xie, X., & Moss, J. (2022). Working memory capacity predicts more effective problem space exploration. Poster presented at the 44th Annual Meeting of the Cognitive Science Society. Toronto, Canada.

*Newlin, P., Moss, J. (2021). Task strategies mediate the interaction between working memory and other cognitive systems. Poster presented at the 43rd Annual Meeting of the Cognitive Science Society. Vienna, Austria.

Moss, J., *Newlin, P. (2021). Strategy variation in an association learning task. Talk given at the 62nd Annual Meeting of the Psychonomic Society, New Orleans, Louisiana.

Moss, J., Bradshaw, G., *Wong, A. Y., *Durriseau, J. A., *Newlin, P., & +Barnes, K. (2020). Tracking and improving strategy adaptivity in a complex task. Talk given at the International Conference on Human-Computer Interaction: Augmented Cognition, Copenhagen, Denmark.

*Newlin, P., Moss, J. (2020). Proceduralization and working memory in association learning. Talk given at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Canada.

Moss, J., *Wong, A. Y., +Barnes, K., *Durriseau, J. A., Bradshaw, G. L. (2019). Evaluation of methods for tracking strategies in complex tasks. Poster presented at the 41st Annual Conference of the Cognitive Science Society, Montreal, Quebec.

+Barnes, K., *Wong A.Y., Bradshaw G., Moss J. (2018). Measuring strategy adaptivity. Poster presented at the 40th Annual Conference of the Cognitive Science Society, Madison, Wisconsin.

*Durriseau, J. A., Moss, J. (2018). Stereotype congruency and cognitive control in the shooter task. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, Louisiana.

*Wong, A.Y., Moss, J. (2018). Pupil diameter and metacomprehension judgments. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, Louisiana.

*Krupskyy, T., *Wong, A.Y., +Barnes, K., Bradshaw, G., Moss, J. (2018). Individual differences associated with learning a complex task. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, Louisiana.

*Wong A.Y., +Barnes, K., Bradshaw G. L., Moss J. (2018). Partial awareness of strategies used in a complex decision making task. Poster presented at the 40th Annual Conference of the Cognitive Science Society, Madison, Wisconsin.

Moss, J., Bradshaw, G. L., *Durriseau, J. A., *Wong, A. Y. (2017). *Brain Networks Involved in Noticing the Need for a Strategy Change.* Talk presented at the 2017 Meeting of the Association for Psychological Science, Boston. (invited contribution to symposium)

Moss, J., *Cranford, E. A. (2017). *Examining Insight, Fixation, and Incubation using Remote Associate Test Problems*. Talk presented at the 59th Conference of Experimental Psychologists (TeaP). Dresden, Germany. (invited contribution to symposium)

*Wong, A. Y., & Moss, J. (2017). *Eye Tracking Measures of Narrative Comprehension and Metacomprehension.* Talk presented at the 27th Annual Meeting of the Society for Text and Discourse, Philadelphia, Pennsylvania.

*Cranford E.A., *Wong A.Y., *Durriseau J., +Barnes K., *Jones W.E., Bradshaw G., Moss J. (2016). Individual differences in the acquisition of strategies in a complex task. Poster presented at the 38th Annual Conference of the Cognitive Science Society.

Moss, J., Eakin, E., +Tan, E., & *Wong, A.Y. (2016). Comparing the Neural Correlates of Recall and Delayed Judgments of Learning. Talk presented at the 108th Annual Meeting of the Southern Society for Philosophy and Psychology. Louisville, KY. (invited contribution to symposium)

*Wong A. Y., Moss J. (2016). Eye tracking measures of comprehension and metacomprehension. Talk presented at the 108th Annual Meeting of the Southern Society for Philosophy and Psychology. Louisville, KY. (invited contribution to symposium)

*Jones W. E., Moss J. (2015). Interruption recovery training transfers to novel tasks. Poster presented at the Thirty-seventh Annual Conference of the Cognitive science Society.

*Durriseau, J. A., Moss, J., Cagan, J., +Chen, P. (2015). Understanding control and process-level activation during multi-attribute decision making. Poster presented at the 2015 Annual Meeting of the Cognitive Neuroscience Society

*Wong, A. Y., Moss, J. (2015). Eye tracking metacomprehension. Poster presented at the 56th Annual Meeting of the Psychonomic Society.

*Cranford, E. A., Moss, J., & *Lewis, A. (2014). How does the story end? Eye and mouse movements in language anticipation. Poster presented at the 55th Annual Meeting of the Psychonomic Society.

+Bai, H., *Jones, W. E. , Moss, J., & Doane, S. M. (2014). Relating individual differences in working memory to interruption recovery during multitasking. Poster presented at the 55th Annual Meeting of the Psychonomic Society.

*Cranford, E. A., & Moss, J. (2013). Anticipation in Action: Mouse-Tracking Evidence of a Parallel Option Generation Process. Poster presented at the 2013 meeting of the North American Society for the Psychology of Sport and Physical Activity.

*Jones, W. E., & Moss, J. (2013). Decreasing the costs of interruptions: Interruption recovery as a trainable and transferable skill. Poster presented at the 54th Annual Meeting of the Psychonomic Society.

Moss, J., *Jones, W. E., +Bai, H., & Doane, S. M. (2013). Changes in the cognitive control network associated with adapting to task environment modifications. Poster presented at the 35th Annual Meeting of the Cognitive Science Society.

Moss, J., *Jones, W. E., +Bai, H., & Doane, S. M. (2013). Changes in cognitive control regions associated with successfully adapting to task environment modifications. Poster presented at the 2013 Annual Meeting of the Cognitive Neuroscience Society.

*Wong, A. Y., & Moss, J., Eakin, D. K., & +Tan, E. W. (2013). Understanding the role of rereading in the metacognitive monitoring of reading comprehension. Poster presented at the 54th Annual Meeting of the Psychonomic Society.

Moss, J., & Doane, S. M. (2012). Neural predictors of multitasking performance. Talk given at the 2012 ONR Cognitive Science of Learning Program Review.

*Pearson, L., *Salda, R., Moss, J., *Bell, C. (2012) Do self-explanation training and diagrams enhance reading comprehension? Poster presented at the Annual meeting of the Southeastern Psychological Association.

+Tan, E. W., Eakin, D. K., Moss, J., & *Wong A. Y., (2012). Updating metacomprehension: Selecting effective learning strategies after experience. Poster presented at the 53rd Annual Meeting of the Psychonomic Society.

*Cranford, E. A., & Moss, J. (2011). Is insight always the same? An fMRI study of insight. Poster presented at the Thirty-third Annual Conference of the Cognitive Science Society. Boston, MA.

*Jones, W. E., +Bai, H., Moss, J., & Doane, S. M. (2011). Predicting individual differences in multitasking ability using general cognitive ability measures. Poster presented at the 52nd Annual Meeting of the Psychonomic Society.

Moss J. (2011). Activation of discourse processing brain regions during strategic reading. Poster presented at the 52nd Annual Meeting of the Psychonomic Society.

Moss, J., Schunn, C. D., Schneider, & W., McNamara, D. S. (2011). An fMRI study of zoning out during strategic reading comprehension. Poster presented at the Thirty-third Annual Conference of the Cognitive Science Society. Boston, MA.

*Cranford, E. A., & Moss, J. (2010). Investigating insight using compound remote associate problems. Poster presented at the Thirty-second Annual Conference of the Cognitive Science Society.

*Jones, W. E., Moss, J., & Doane, S. M. (2010). Strategies for multitasking: An fMRI study of individual differences in multitasking ability. Poster presented at the Thirty-second Annual Conference of the Cognitive Science Society.

Moss, J., Schunn, C. D., Schneider, W., McNamara, D. S., & VanLehn, K. (2010). An fMRI study of strategic reading comprehension. Talk given at the Thirty-second Annual Conference of the Cognitive Science Society.

*Jones, W. E., Moss, J., & Doane, S. M. (2009). Where tasks collide: A behavioral and fMRI study of individual differences in multitasking ability. Poster presented at the 50th Annual Meeting of the Psychonomic Society. Boston, MA.

Schunn, C.D., Moss, J., Huppert, T., & Schneider, W. (2009). Real-time NIRS feedback may help improve self-explanation learning strategy use. Paper presented at the 2009 Annual Meeting of the Society for Neuroscience. Chicago, IL.

Moss, J., Schunn, C., VanLehn, K., Schneider, W., McNamara, & D. S., Jarbo, K. (2008). They Were Trained, But They Did Not All Learn: Individual Differences in Uptake of Learning Strategy Training. Poster presented at the 29th Annual Conference of the Cognitive Science Society. Washington, DC.

Tseng, I., Moss, J., Cagan, J., Kotovsky, K. (2008). Overcoming blocks in conceptual design: The effects of open goals and analogical similarity on idea generation. Paper presented at the 2008 ASME Design Theory and Methodology Conference. New York, NY.

Moss, J., Cagan, J., & Kotovsky, K. (2007). Understanding the role of open goals in problem solving: Impasses and hints. Poster presented at the Twenty-ninth Annual Conference of the Cognitive Science Society, Nashville, TN.

Moss, J., Cagan, J., & Kotovsky, K. (2007). Design ideas and impasses: The role of open goals. Paper presented at the 16th International Conference on Engineering Design, Paris, France.

Moss, J., Kotovsky, K., & Cagan, J. (2004). Cognitive investigations into knowledge representation in engineering design. Paper presented at Design Computing and Cognition 2004, Cambridge, MA.

Moss, J., Kotovsky, K., & Cagan, J. (2003). Knowledge representation in engineering design: An initial investigation. Poster presented at the Twenty-Fifth Annual Conference of the Cognitive Science Society, Boston, MA.

Moss, J., Cagan, J., & Kotovsky, K. (2002). Learning from design experience in an agent-based design System. Paper presented at the Workshop on Agents in Design 2002, Cambridge, MA.

Moss, J., Kotovsky, K., & Cagan, J. (2002). Cognitive principles in a computational engineering design methodology. Poster presented at the Twenty-Fourth Annual Conference of the Cognitive Science Society, Fairfax, VA.

INVITED TALKS

Moss, J. (2021). Using task strategies to understand the interaction between cognitive systems. Invited talk given at the University of Washington.

Moss, J. (2021). Using task strategies to understand the interaction between cognitive systems. Invited talk given at the Allen Institute for AI.

Moss, J. (2018). Individual differences in strategy adaptivity. Invited talk given at the University of Alabama.

Moss, J. (2014). The Brain's Coherence Network. Invited talk given at the University of Alabama.

Moss, J. (2012). Why don't you understand? Examining the neural correlates of strategic reading and comprehension monitoring. Invited talk given at Virginia Tech University.

Moss, J. (2009). Neural correlates of effective learning strategies. Invited talk given at University of Memphis Institute for Intelligent Systems Colloquium Series.

Moss, J. (2007). Overcoming Impasses and Achieving Insight. Invited talk given at Wichita State University.

Moss, J. (2007). Overcoming Impasses and Achieving Insight. Invited talk given at Mississippi State University.

Moss, J. (2007). Understanding Problem Solving in Complex Domains. Invited talk given at the University of Louisville.

Moss, J. (2006). Understanding Problem Solving in Complex Domains. Invited talk given at the Florida Institute of Technology.

Moss, J. (2006). Understanding Problem Solving in Complex Domains. Invited talk given at Florida State University.

GRADUATE STUDENTS ADVISED

- Winston Jones, Cognitive Science Ph.D., 2016
- Edward Cranford, Cognitive Science Ph.D., 2016
- Jaymes Durriseau, Cognitive Science Ph.D., 2020
- Aaron Wong, Cognitive Science Ph.D., 2020
- Philip Newlin, Psychology M.S., 2022
- Xinyu Xie, Cognitive Science Ph.D., expected 2026
- Emily Williamson, Cognitive Science Ph.D., expected 2026
- Pouria Rahgosha, Cognitive Science Ph.D., expected 2028

HONORS AND AWARDS

2011	StatePride Faculty Accomplishments Award, Mississippi State University
2011	Selected for Mississippi State University Faculty Leadership Program
2010	StatePride Faculty Accomplishments Award, Mississippi State University
2009	Paper nominated for 2008 Design Studies Award
2008	Best Paper Award at 2008 ASME Design Theory and Methodology conference
2005-2006	Pre-doctoral Fellowship, NIH Training Grant, Computational and Behavioral Approaches to Cognition
2004-2005	Pre-doctoral Fellowship, NIH Training Grant, Basic Processes & Variation in Cognition
2001-2004	National Defense Science and Engineering Graduate Fellowship
2001	Carnegie Mellon University Senior Leader Service Award
2000	Undergraduate Research Initiative Summer Fellowship
2000	Inducted into Phi Beta Kappa
2000	Inducted into Phi Kappa Phi

SERVICE

University Service

- Mississippi State University
    - Member, Steering Committee, Institute for Imaging and Analytical Technology (2011-2012)
    - Member, Steering Committee, Institute for Neurocognitive Science and Technology (2008-2010)
- College of Arts & Sciences
    - Member, College of Arts & Science Scholarship Committee (2022-present)
    - Member, College of Arts & Science Curriculum Committee (2015-2018)
    - Member, Society of Scholars Committee (2008-2018)
- Department of Psychology
    - Director, Cognitive Science Ph.D. Program (2014-present)
    - Member, Graduate Committee, (2014-present)
    - Chair, Cognitive Science Assistant Professor Search Committee (2021-2022)
    - Chair, Cognitive Science Assistant Professor Search Committee (2019-2020)
    - Chair, Cognitive Science Assistant Professor Search Committee (2016-2017)
    - Chair, Cognitive Science Assistant Professor Search Committee (2014-2015)
    - Member, Psychology Research Pool Committee (2011-2014)
    - Member, Clinical Psychology Assistant Profess Search Committee (2011-2012)
    - Member, Psychology Department Head Search Committee (2010-2011)

Professional Service

- Review Editor, Frontiers in Psychology (2022-present)
- Associate Editor, AIMS Neuroscience (2014-2023)
- Panel reviewer and ad-hoc grant reviewer for National Science Foundation
- Ad-hoc grant reviewer for Swiss National Science Foundation
- Ad-hoc reviewer for Academic Medicine; American Journal of Psychology; Applied Cognitive Psychology; Artificial Intelligence for Engineering Design, Analysis, and Manufacturing; Brain Imaging and Behavior; Consciousness & Cognition; Educational Psychology Review; Experimental Psychology; Frontiers in Psychology; International Journal of Design Creativity and Innovation; Journal of Cognitive Psychology; Journal of Computing and Information Science in Engineering; Journal of Educational Psychology; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Problem Solving; Memory & Cognition; NeuroImage; Neuropsychologia; Perceptual & Motor Skills; Psychonomic Bulletin & Review; Thinking & Reasoning; Trends in Neuroscience and Education; Zeitschrift fuer Psychologie
- Conference paper reviewer for Cognitive Science Society Meeting, Creativity and Cognition Conference, Association for Computing Machinery Special Interest Group on Computer Human Interaction Meeting, American Society of Mechanical Engineers Annual Design Engineering Technical Conferences

PROFESSIONAL MEMBERSHIPS

Cognitive Science Society, Member
Association for Psychological Science, Member
Psychonomic Society, Fellow