

Curriculum Vitae

Susan M. Ravizza

Contact Information

Department of Psychology
Michigan State University
285C Psychology Building
East Lansing, MI 48824
517-432-3366
ravizzas@msu.edu

Professional Experience & Leadership

- 2020 - current Deputy Editor-in-Chief, Brain Research
- 2016 - 2020 Senior Editor, Cognition and Computational Neuroscience, Brain Research
- 2013 - current Associate Professor - Michigan State University
Department of Psychology
- 2007 - 2013 Assistant Professor - Michigan State University
Department of Psychology
- 2006 - 2007 Assistant Research Scientist - University of California, Davis
Department of Psychology (Sponsor: Dr. Cameron Carter)
- 2004 - 2006 Assistant Project Scientist - University of California, Davis
Department of Psychology (Sponsor: Dr. Cameron Carter)
- 2001 - 2004 Post graduate Researcher - University of Pittsburgh
Department of Psychology (Sponsor: Dr. Julie Fiez)

Education

- 1995-2000 Ph.D. Psychology, University of California, Berkeley
Dissertation: "Effects of Movement on Lexical Retrieval"
Dissertation Advisor: Dr. Richard Ivry
Major: Cognitive Psychology
- 1990-1992 M.S. Communication, Purdue University
Thesis: "The Effects of Representational Complexity on Speech Fluency"
Thesis Advisor: Dr. John O. Greene
Major: Interpersonal Communication
- 1986-1990 B.A. Communication, University of California, Santa Barbara

Honors, Awards, & Funding

- 2014 NSF Major research Instrumentation grant: Acquisition of a “Magstim/Brainsight TMS System for Research and Training in Cognitive Neuroscience”
Proposal#: 1229140
McAuley (PI), **Ravizza (coPI)**, Liu (coPI), Symonds (coPI), Gray (coPI).
Period: September 15, 2013 – December 31, 2014
Total costs: \$106,181
- 2012 NSF Early Career Development (CAREER) Award
“Neural processes that influence the contents of working memory”
Proposal #1149078
P.I.: Ravizza, S.
Period: 5/1/12 – 4/30/18;
Total costs: - \$725,395
- 2007 Travel grant awarded from the Academic Federation at UC Davis (\$800)
- 2006-2007 M.I.N.D. Institute's 2006 Pilot Research Grant (S-CCMIN07 - \$23, 517)
Cameron S. Carter, P.I.
Susan M. Ravizza, Marjorie S. Solomon, Richard Ivry (co- investigators)
- 1996-1999 Predoctoral Fellowship, National Institute of Mental Health Training Grant in Molecular and Cell Biology
- 1994 International Communication Association, Top Four Paper, Information Systems Division
- 1993 International Communication Association, Top Four Paper, Information Systems Division

Articles under review

* = Student paper

*Tichenor, S.E., Wray, A. H., **Ravizza, S. M.**, Yaruss, J. S. (reject & re-submit).
Differentiating Word-Form Encoding and Working Memory Differences in Adults who Stutter.

Ravizza, S. M., *Meram, N. L. (under review). Synchronous course format may not suit the impulsive: Online learning during the COVID-19 pandemic

Peer-Reviewed Publications

* = Student paper

*Chantland, E. C. M., Wang, K. S., Delgado, M. R., **Ravizza, S. M.** (in press). Control preference persists with age.

Ravizza, S.M. & *Conn, K. M. (2022). Gotcha: Working memory prioritization from automatic attentional biases. *Psychonomic Bulletin & Review*, 29, 415-429.

Ravizza, S. M., Pleskac, T. J., & Liu, T. (2021). Working memory prioritization: Goal-driven attention, physical salience, and implicit learning. *Journal of Memory and Language*, 121, 104287.

*Day, A., Fenn, K.M., **Ravizza, S.M.** (2021). It's not all bad: Laptop use in class is associated with benefits as well as costs. *PLOS one*, 16(5): e0251792.

*Conn, K. M., Becker, M. W., & **Ravizza, S.M.** (2020). Implicit and Explicit Guidance of Attention in Visual Statistical Learning. *Journal of Experimental Psychology: Human Perception and Performance*, 46(7), 681-696.

*Fang, W., **Ravizza, S. M.**, Liu, T. (2019). Attention induces surround suppression in visual working memory. *Psychonomic Bulletin & Review*, 26(6), 1925-1932.

*Wills-Conn, K., Schroder, H., Moser, J, & **Ravizza, S. M.** (2019). Stimulus-Driven Attention and Cognitive Control During Encoding: An Event-Related Brain Potential Study. *Biological Psychology*, 144, 1-10.

Griffin, N. R., Fleck, C. R., Uitvlugt, M. G., **Ravizza, S. M.**, Fenn, K. M. (2017). The Tweeter Matters: Factors that Affect False Memory from Twitter. *Computers in Human Behavior*, 77, 63-68.

Ravizza, S.M., Uitvlugt, M. G., Fenn, K. M. (2017). Logged In and Zoned Out: How Laptop Internet Use Impacts Classroom Learning. *Psychological Science*, 28(2), 171-180.

*Wills, K., Liu, J., Hakun, J.G., Zhu, D., Hazeltine, E., **Ravizza, S.M.** (2017). Neural Mechanisms for the Benefits of Stimulus-Driven Attention. *Cerebral Cortex*, 27(11), 5294-5302.

Ravizza, S.M., Uitvlugt, M. G., Hazeltine, E. (2016). Where to start? Bottom-up attention improves working memory by determining encoding order. *Journal of Experimental Psychology: Human Perception and Performance*, 42(12), 1959-1968.

*Uitvlugt, M.G., Pleskac, T. J., **Ravizza, S. M.** (2016). The Nature of Working Memory Gating in Parkinson's Disease: A Multi-Domain Signal Detection Examination. *Cognitive, Affective, & Behavioral Neuroscience*, 16, 289-301.

*Hakun, J. G., **Ravizza, S. M.** (2016). Ventral fronto-parietal contributions to the disruption of visual working memory storage. *Neuroimage*, 124, 783-793.

Becker, M. W., **Ravizza, S.M.**, Peltier, C. (2015). An Inability to Set Independent Attentional Settings by Hemifield. *Attention, Perception, & Psychophysics*, 77(8):2640-52

Ravizza, S. M., Delgado, M. (2014). Motivational enhancement of cognitive control depends on depressive symptoms. *Emotion*, 14(4), 646-650.

Fenn, K. M., Griffin, N.R., Uitvlugt, M.G., & **Ravizza, S. M.** (2014). The effect of social media on false memory formation. *Psychonomic Bulletin & Review*, 21, 1551-1556.

Ravizza, S. M., Hambrick, D. Z., Fenn, K. M. (2014). Non-Academic Internet Use in the Classroom is Negatively Related to Classroom Learning Regardless of Intellectual Ability. *Computers & Education*, 78, 109-114.

*Langel, J. Hakun, J. G., Zhu, D., **Ravizza, S. M.** (2014). Functional specialization of the left ventral parietal cortex in working memory. *Frontiers in Human Neuroscience*, 8, 440.

Ravizza, S.M., Hazeltine, E. (2013). The benefits of stimulus-driven attention for working memory encoding. *Journal of Memory & Language*, 69(3), 384–396).

Ravizza, S. M., Solomon, M., Ivry, R. B., Carter, C. S. (2013). Restricted and repetitive behaviors in autism spectrum disorders: the relationship of attention and motor deficits. *Development and Psychopathology*, 25, 773-784.

*Elbin, R.J., Covassin, T., Hakun, J., Kontos, A.P., Berger, K. Pfeiffer, K. & **Ravizza, S. M.** (2012). Exploring brain activation patterns in asymptomatic athletes with and without a history of two or more concussions. *Brain Injury*, 26(10), 1217-1225.

*Hakun, J. G., **Ravizza, S.M.** (2012). Cognitive control: Preparation of task switching components. *Brain Research*, 1451, 53-64.

Ravizza, S. M., Goudreau, J., Delgado, M. R., Ruiz, S. (2012). Executive function abilities in Parkinson's disease: Contributions of the fronto-striatal pathways to action and feedback processing. *Cognitive, Affective, & Behavioral Neuroscience*, 12(1), 193-206.

Salo, R., **Ravizza, S. M.**, Fassbender, C., (2011). Overlapping Cognitive Patterns in Schizophrenia and Methamphetamine Dependence. *Cognitive and Behavioral Neurology*, 24(4), 187-193.

Ravizza, S.M., Hazeltine, E., Ruiz, S., Zhu, D. (2011). Left TPJ activity in verbal working memory: Implications for storage and sensory-specific models of short term memory. *Neuroimage*, 55, 1836-1846.

Ravizza, S. M., Moua, K.C., Long, D.L., Carter, C.S. (2010). The impact of context processing deficits on task switching performance in schizophrenia. *Schizophrenia Research*, 116 (2-3), 274-279.

Corbett B. A., Carmean, V., **Ravizza, S. M.**, Wendelken, C., Henry, M.L., Carter, C. S., Rivera, S.M. (2009). A functional and structural study of emotion and face

processing in children with autism. *Psychiatry Research: Neuroimaging*, 173, 196-205.

Solomon, M. Ozonoff, S., Ursu, S., **Ravizza, S. M.**, Cummings, N., Ly, S., and Carter, C. S. (2009). The neural substrates of cognitive control deficits in Autism Spectrum Disorders, *Neuropsychologia*, 47(12), 2515-2526.

Anderson, J. R., Carter, C. S., Fincham, J. M., Qin, Y, **Ravizza, S. M.**, Rosenberg-Lee, M. (2008). Using fMRI to test models of complex cognition. *Cognitive Science*, 32(8), 1323-1348.

Ravizza, S. M., Anderson, J. R., Carter, C. S. (2008). Errors of mathematical processing: The relationship of accuracy to neural regions associated with retrieval or representation of the problem state. *Brain Research*, 1238, 118-126.

Ravizza, S. M. & Carter, C. S. (2008). Shifting set about task switching: Behavioral and neural evidence for distinct forms of cognitive flexibility. *Neuropsychologia*, 46, 2924-2935.

Ravizza, S. M., Robertson, L. C., Carter, C. S., Nordahl, T. E., Salo, R. E. (2007). Is filtering difficulty the basis of attentional deficits in schizophrenia? *Psychiatry Research*, 151, 201-209.

Ravizza, S. M., McCormick, C. A., Schlerf, J. E., Justus, T., Ivry, R. B., & Fiez, J.A. (2006). Cerebellar damage produces selective deficits in verbal working memory. *Brain*, 129, 306-320.

Ravizza, S. M., Behrmann, M., Fiez, J. A. (2005). Right Parietal Contributions to Verbal Working Memory: Spatial or Executive? *Neuropsychologia*, 43(14), 2057-2067.

Justus, T. C., **Ravizza, S.M.**, Fiez, J. A., Ivry, R. B. (2005). Cerebellar involvement in verbal working memory: Implications for phonological representation. *Brain & Language*, 95, 304-318.

Ravizza, S. M., Delgado, M. R., Chein, J. M., Becker, J. T., & Fiez, J. A. (2004). Functional Dissociations within the Inferior Parietal Cortex in Verbal Working Memory. *Neuroimage*, 22(2), 562-573.

Chein, J. M., **Ravizza, S.M.**, & Fiez, J. A. (2003). Rethinking models of working memory. *Journal of Neurolinguistics*, 16(4-5) 315-339.

Ravizza, S. M. (2003). Movement and Lexical Access: Do Non-Iconic Gestures Aid in Retrieval? *Psychonomic Bulletin & Review*, 10(3), 610-615.

Ravizza, S. M. (2003). Dissociating the performance of cortical and subcortical patients in the perception and production of phonemes. *Brain & Cognition*, 53(2), 301-310.

Ravizza, S. M. & Ciranni, M. A. (2002). Set shifting impairments as a function of working memory demands in older adults, prefrontal, and Parkinson's disease patients. *Journal of Cognitive Neuroscience*, 14(3), 472-483.

Ravizza, S. M. (2001). Relating selective brain damage to impairments with voicing contrasts. *Brain & Language*, 77, 95-118.

Ravizza, S. M., & Ivry, R. B. (2001). Comparison of the basal ganglia and cerebellum in shifting attention. *Journal of Cognitive Neuroscience*, 13(3), 285-297.

Greene, J. O., & **Ravizza, S. M.** (1995). Complexity effects on temporal characteristics of speech. *Human Communication Research*, 21(3), 390-421.

Greene, J. O., McDaniel, T. L., Buksa, K., & **Ravizza, S. M.** (1993). Cognitive processes in the production of multiple-goal messages: Evidence from the temporal characteristics of speech. *Western Journal of Communication*, 57, 65-86.

Book Chapters

Delgado, M. R., **Ravizza, S. M.**, Porcelli, A. J. (2015). Motivational influences on cognitive control: The role of reward processing. In T. Braver (Ed.), *Motivation and Cognitive Control* (pp. 83-104). Routledge.

Ravizza, S. M., Salo, R. E. (2014). Task Switching in Psychiatric Disorders. In J. Grange & G. Houghton (Eds.), *Task Switching* (pp. 300-331). Cambridge: Oxford University Press.

Ravizza, S.M., Mangun, G. R., Carter, C. S. (2009). The Neural Basis of Attention. In S. Wood, N. Allen, & C. Pantelis (Eds.), *The Neuropsychology of Mental Illness* (pp. 105-116). Cambridge: University Press.

Ravizza, S.M. (2005). Neural Regions Associated with Categorical Speech Perception and Production. In H. Cohen & C. Lefebvre (Eds.), *Handbook of Categorization in Cognitive Science* (pp. 601-615). Amsterdam; Oxford: Elsevier Press.

Invited articles for a general audience

Ravizza, S. M., Azar, J. L. (2017). The pitfalls of portable technology in the class room. Noba Blog, August 3, 2017.

Ravizza, S. M. (2017). It's true, internet surfing during class is not so good for grades. *The Conversation*, January 24, 2017.

Presentations

* = Student presentation

Chantland, E.C.M. & **Ravizza, S. M.** (2021). Preference for control is consistent across outcome magnitudes and probabilities of success. Poster presented at Psychonomics conference, virtual meeting.

Chantland, E.C.M. & **Ravizza, S. M.** (2021). Preference for control and reward magnitude. Poster presented at American Psychological Society conference, virtual meeting.

Tichenor, S., Hampton Wray, A., **Ravizza, S. M.**, Yaruss, J. S. (2021). Differentiating Word-form Encoding and Working Memory Differences in Adults who Stutter. Talk presented at the Oxford Dysfluency Conference, virtual meeting.

Tichenor, S., Hampton Wray, A., **Ravizza, S. M.**, Yaruss, J. S. (2020). Differentiating Word-form Encoding and Working Memory Differences in Adults who Stutter. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).

Ravizza, S.M. (2019). Physical salience and experience determine the selection of items into working memory but not their precision. Talk given at the Annual meeting of the Psychonomics society, Montreal, Quebec, Canada.

*Chantland, E.C.M, Wang, K.S., Delgado, M.R. **Ravizza, S. M.** (2019). Control Preference Persists with Age. Poster presented at the Annual meeting of the Psychonomics society, Montreal, Quebec, Canada.

*Day, A., Fenn, K.M., **Ravizza, S.M.** (2018). Learning More with Laptops: Class-Related Laptop Use Is Related to Higher Exam Scores. Poster presented at Psychonomics, New Orleans, LA.

*Wills, K. & **Ravizza, S. M.** (2018). Selection History: A third source of bias in attentional control? Poster presented at Psychonomics, New Orleans, LA.

*Day, A., Fenn, K.M., **Ravizza, S.M.** (2018). Learning More with Laptops: Class-Related Laptop Use Is Related to Higher Exam Scores. Poster to be presented at the 30th APS Annual Convention.

*Fang, W., **Ravizza, S. M.**, Liu, T (2018). Internal attention elicits surround suppression in visuospatial working memory. Poster to be presented at the Vision Science Society, St. Pete Beach, Florida.

*Liu, J., Liu, T, **Ravizza, S.M.**, (2018). Behavioral oscillations during working memory maintenance. Poster presented at the Cognitive Neuroscience Society, Boston, MA.

*Wills, K., Schroder, H., Moser, J, & **Ravizza, S. M.** (2017). Stimulus-Driven Attention and Cognitive Control During Encoding: An Event-Related Brain Potential Study. Poster presented at Psychonomics, Vancouver, BC.

*Liu, J., Liu, T, **Ravizza, S.M.**, (2016). Behavioral oscillations during working memory maintenance. Poster presented at the Society for Neuroscience, San Diego, CA.

*Wills, K., Liu, J., Hakun, J.G., Zhu, D., Hazeltine, E., **Ravizza, S.M.** (2016). Neural Mechanisms for the Benefits of Stimulus-Driven Attention. Poster presented at the Cognitive Neuroscience Society, New York City, NY.

Becker, M. W., **Ravizza, S.M.**, Peltier, C. (2014). An Inability to Set Independent Attentional Control Settings by Hemisphere. Poster presented at the Vision Science Society, St. Pete Beach, Florida.

Fleck, C., Griffin, N., Uitvlugt, M. G., **Ravizza, S. M.**, Fenn, K. M. (2014). More than just the medium: Factors affecting false memory from Twitter. Poster presented at Psychonomics, Long Beach, CA.

Ravizza, S. M. (2014). Lexical access in tip-of-the-tongue states: Movement vs. phonological cues. Poster presented at Psychonomics, Long Beach, CA.

Griffin, N., Uitvlugt, M. G., **Ravizza, S. M.**, Fenn, K. M. (2014). Twitter and False Memory: Familiarity of Information Reduces False Memory from Twitter. Poster presented at the Association for Psychological Science, San Francisco, CA.

*Uitvlugt, M.G., **Ravizza, S. M.** (2013). Working memory in Parkinson's disease under distraction: The role of the basal ganglia across verbal and spatial domains. Poster presented at the Society for Neuroscience, San Diego, CA.

Griffin, N., Uitvlugt, M. G., **Ravizza, S. M.**, Fenn, K. M. (2013). The effects of social media on false memory. Poster presented at Psychonomics, Toronto, Canada.

*Hakun, J.G, **Ravizza, S.M.** (2013). Passing the gate: Disrupting feature binding in visual working memory. Poster presented at the Society for Human Brain Mapping, Seattle, WA.

*Hakun, J.G, **Ravizza, S.M.** (2013). Passing the gate: Disrupting feature binding in visual working memory. Poster presented at the Cognitive Neuroscience Society, San Francisco, CA.

Ravizza, S. M., Hazeltine,E. (2013). The benefits of stimulus-driven attention for working memory encoding. Poster presented at the Cognitive Neuroscience Society, San Francisco, CA.

*Uitvlugt, M.G, **Ravizza, S. M.** (2013). Working memory in Parkinson's disease under distraction: The role of the basal ganglia across verbal and spatial domains. Poster presented at the Cognitive Neuroscience Society, San Francisco, CA.

Ravizza, S. M., Van Loon, J., Hakun, J. G., Zhu, D. (2012). The left TPJ in novelty detection and verbal working memory: Is stimulus-driven attention the common factor? Poster presented at Cognitive Neuroscience Society, Chicago, IL.

Hakun JG; **Ravizza SM**; Pleskac TJ (2012). Binding in Visual Working Memory: A Two-Process Account of VWM Capacity, 2nd Annual Midwest Cognitive Science Conference

Becker, M. W., **Ravizza, S.M.** (2011). An inability to set independent, feature-based attention sets by hemisphere. Poster presented at Psychonomics, Seattle, WA.

*Hakun, J. G. **Ravizza, S.M.** (2011). Decay of response rule representation during Task Switching. Poster presented at Psychonomics, Seattle, WA.

*Van Loon, J. Hakun, J. G., Zhu, D., **Ravizza, S. M.** (2011). The left TPJ in novelty detection and verbal working memory: Is stimulus-driven attention the common factor? Poster presented at the Society for Neuroscience, Washington, D.C.

Elbin, R.J., Covassin, T., Hakun, J., Kontos, A.P., Berger, K. Pfeiffer, K. & **Ravizza, S. M.** (2011). Exploring brain activation patterns in asymptomatic athletes with and without a history of two or more concussions. Meeting of the American College of Sports Medicine, Denver, CO.

Salo, R., **Ravizza, S. M.**, Fassbender, C., Leamon, M.H. (2010). A comparison of cognitive deficits in chronic methamphetamine users and schizophrenia patients. Poster presented at the meeting of the Society for Neuroscience, San Diego, CA.

Ravizza, S. M., Goudreau, J., Delgado, M. R., Ruiz, S. (2010). Executive function abilities in Parkinson's disease: Contributions of action and feedback processing. Poster presented at the meeting of the Society for Neuroscience, San Diego, CA.

Ravizza, S. M., Goudreau, J., Delgado, M. R., Ruiz, S. (2009). Executive function abilities in Parkinson's disease: Problems with action or using feedback (or both)? Poster presented at the meeting of the Psychonomic Society, Boston, MA.

*Hakun, J. G., **Ravizza, S. M.** (2009). Advance preparation for rule and perceptual switching. Poster presented at the Society for Neuroscience, Chicago, IL.

Ruiz, S., **Ravizza, S. M.** (2009). The left temporoparietal junction in working memory: Storage or attention?. Poster presented at the Society for Neuroscience, Chicago, IL.

Ravizza, S. M. (2009). Why is the left temporoparietal junction involved in working memory tasks: Storage or attention?. Talk given at the Gesellschaft für Unendliche Versuche meeting, St. Louis, MO.

Ravizza, S. M. (2009). Why is the left temporoparietal junction involved in working memory tasks: Storage or attention?. Talk given at the Fifteenth Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, Oregon..

Ravizza, S. M. (2009). Motor involvement in cognitive control: Cerebellum and basal ganglia in attention switching. Talk given at the Midwestern Psychological Association, Cognitive Control Symposium, Chicago.

Salo, R.E., **Ravizza, S. M.**, Nordahl, T. E., Robertson, L. C. (2009). Feature priming in chronic methamphetamine abusers: Evidence for spatial deficits. Poster presented at the Cognitive Neuroscience Society, San Francisco, CA.

Fiez, J. A., **Ravizza, S. M.**, Guediche, S. (2008). The cerebellum and verbal working memory. Talk given at the first meeting of the Federation of the European Societies of Neuropsychology, Edinburgh, Scotland.

Ravizza, S. M., Solomon, M., Kaluzhny, P., Ivry, R. B., Carter, C. S. (2008). Basal ganglia and cerebellar motor contributions to attentional processes in autism spectrum disorders. Talk given at the Fourteenth Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, Oregon.

Ravizza, S. M., Solomon, M., Kaluzhny, P., Ivry, R. B., Carter, C. S. (2008). Basal ganglia and cerebellar motor contributions to attentional processes in autism spectrum disorders. Poster presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Ravizza, S. M. (2007). Understanding the “task” in task switching. Poster presented at the meeting of the Psychonomic Society, Long Beach, CA.

Ravizza, S. M., Moua, K.C., Long, D.L., Carter, C.S. (2007). Context processing deficits affect performance in multiple cognitive domains in schizophrenia. Poster presented at the meeting of the Cognitive Neuroscience Society, New York.

Solomon, M., Ozonoff, S., Ursu S., Ravizza, S.M., Cummings, N., & Carter, C.S. (2006). Functional neuroimaging of cognitive control in autism spectrum disorders. Poster presented at the Society for Neuroscience, Atlanta, Georgia.

Willford, J. A., **Ravizza, S. M.**, Carter, C. S (2006). Cognitive control involved in overcoming prepotent response tendencies in children, adolescents, and adults. Poster presented at the Society for Neuroscience, Atlanta, Georgia.

Ravizza, S. M., Carter, C. S (2006). Task switching is not a unitary phenomenon: Behavioral and neuroimaging evidence. Talk given at the Eleventh Annual Meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, Oregon.

Ravizza, S. M., Carter, C. S., Nordahl, T. E., Salo, R. E. (2006). Schizophrenia and attentional processing: Effects of irrelevant features. Poster presented at the Society for Biological Psychiatry, Toronto, Canada.

Ravizza, S. M., Carter, C. S. (2006). Task switching is not a unitary phenomenon: Behavioral and neuroimaging evidence. Poster presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Ravizza, S. M., Anderson, J. R., Carter, C. S. (2006). Errors of mathematical processing: The time course of dorsolateral prefrontal and anterior cingulate cortex activity when solving algebra equations. Poster presented at the Mathematical Learning Meeting, Copenhagen, Denmark.

Ravizza, S. M., Anderson, J. R., Carter, C. S. (2005). Errors of mathematical processing: The time course of dorsolateral prefrontal and anterior cingulate cortex activity when solving algebra equations. Poster presented at the meeting of the Society for Neuroscience, Washington, D.C.

Ravizza, S. M., Siegle, G. J., Delgado, M. R., Fiez, J. A. (2004). Cross-task functions of the dorsal caudate. Poster presented at the meeting of the Society for Neuroscience, San Diego, CA.

Ravizza, S. M., McCormick, C. A., Justus, T., & Fiez, J.A. (2004). Focal cerebellar brain damage produces selective deficits in verbal working memory. Poster presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Ravizza, S. M., Behrmann, M., Fiez, J. A. (2004). Does the right parietal lobe contribute to verbal working memory performance? A case study. Poster presented at the meeting of the International Neuropsychological Society, Baltimore, MD.

Ravizza, S. M., Griffin, S. L., Fiez, J. A., Tranel, D. (2003). The locus of selective verbal working memory deficits in the parietal lobe. Poster presented at the 33rd meeting of the Society of Neuroscience, New Orleans, LA.

Ravizza, S. M., Behrmann, M., Fiez, J. A. (2003). Does the right parietal lobe contribute to verbal working memory performance? A case study. Poster presented at the meeting of the Cognitive Neuroscience Society, New York, NY.

Blake, C. B., **Ravizza, S. M.,** Fiez, J. A. (2003). The relationship between task-unrelated thoughts and inferior parietal activity in a verbal working memory experiment. Poster presented at the meeting of the Cognitive Neuroscience Society, New York, NY.

Ravizza, S.M., Becker, J.T., Delgado, M. R., Chein, J.M., & Fiez, J.A. (2002). Contribution of the inferior parietal cortex to verbal working memory. Poster presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Justus, T. C., Ivry, R. B., **Ravizza, S.M.**, & Fiez, J. A. (2001). Cerebellar involvement in verbal working memory: Are the phonological short-term store and articulatory rehearsal one and the same? Paper presented at the meeting of the Society for Neuroscience (v. 27), San Diego CA.

Ravizza, S. M. (2001). Dissociating the performance of cortical and subcortical patients in the perception and production of phonemes. Poster presented at the meeting of the Cognitive Neuroscience Society, New York, NY.

Ravizza, S. M. & Ciranni, M. A. (2000). Effects of cuing when shifting set for Parkinson's and frontal patients. Poster presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Ravizza, S. M. & Ivry, R. B. (1998). Comparison of the basal ganglia and cerebellum in shifting attention. Poster presented at the meeting of the Society for Neuroscience, Los Angeles, CA.

Ravizza, S. M. & Ivry, R. B. (1998). Comparison of the basal ganglia and cerebellum in shifting attention. Poster presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Ravizza, S. M. (1997). Speech timing perception and the role of the cerebellum. Paper presented at the Berkeley-Stanford Cognitive Psychology Symposium, Berkeley, CA.

Greene, J. O., & **Ravizza, S. M.** (1994). Complexity effects on temporal characteristics of speech. Paper presented at the meeting of the International Communication Association, Sydney.

Ravizza, S. M. & Greene, J. O. (1993). The effects of representational complexity on speech fluency. Paper presented at the meeting of the International Communication Association, Washington, D. C.

Greene, J. O., McDaniel, T. L., Buksa, K., & **Ravizza, S. M.** (1992). Cognitive processes in the production of multiple-goal messages: Evidence from the temporal characteristics of speech. Paper presented at the meeting of the International Communication Association, Miami, FL.

Invited Talks

Ravizza, S.M. (2020). Portable device use and learning in the modern age. Psychology Department Speakers Series, Grand Rapids Community College.

Ravizza, S.M. (2019). Attention to working memory: Effects of cognitive control and physical salience. Joint Modelling Workshop, Ohio State University.

Ravizza, S.M. (2017). Where to start? Bottom-up attention improves working memory by determining encoding order. Cognition and Cognitive Neuroscience Forum, University of Michigan.

Ravizza, S.M. (2017). Where to start? Bottom-up attention improves working memory by determining encoding order. Cognition, Brain, and Behavior Colloquium, University of Notre Dame.

Ravizza, S. M. (2012). Whatever: Motivational enhancement of cognitive control depends on depressive symptoms. Decision Consortium, University of Michigan.

Ravizza, S. M. (2009). Motor involvement in cognitive control: Cerebellum and basal ganglia in attention switching. Midwestern Psychological Association, Cognitive Control Symposium, Chicago.

Ravizza, S. M. (2008). Shifting set about task switching: Behavioral and neural evidence for distinct forms of cognitive flexibility. Cognitive & Perception colloquium, University of Michigan.

Ravizza, S. M. (2006). Neural correlates of task switching: Will the real task switcher please stand up? Cognitive Control Colloquium, Center for Mind and Brain, UC Davis.

Ravizza, S. M. (2005). Neural correlates of cognitive control: Task switching. Memory & Aging Center Seminar for the Department of Neurology, University of California, San Francisco.

Ravizza, S. M. (2004). Definable Contributions of the Left and Right Parietal Lobe to Verbal Working Memory. Neuropsychology Brown Bag, VA Hospital in Martinez, CA.

Ravizza, S. M. (2004) Definable Contributions of the Left and Right Parietal Lobe to Verbal Working Memory. Cognitive Control Colloquium, Center for Mind and Brain, UC Davis.

Ravizza, S. M. (2003). Brain damage and categorical speech perception and production. Summer school in the cognitive sciences, University of Quebec at Montreal.

Ravizza, S. M. (2001). Contribution of the prefrontal cortex and basal ganglia to set shifting. University of Pittsburgh.

Professional Experience

Conference duties

- Session Chair, Working Memory I, Psychonomics, 2019

Grant Panelist

- National Science Foundation - Cognitive Neuroscience panel (4 sessions)
- National Science Foundation – Major Research Instrumentation panel (1 session)

Grant reviewer (ad hoc)

- Pennsylvania Department of Health
- National Institute of Health
- National Science Foundation
- US-Israel Binational Science Foundation
- Intramural Research Grants Program (MSU)
- Netherlands Organization for Scientific research
- NSERC Natural Sciences and Engineering Research Council of Canada – Discovery Grant proposal

Journal reviewer (ad hoc)

Attention, Perception, & Psychophysics, Behavioral Neuroscience, Behavioral Sciences, Biological Psychiatry, Brain, Brain & Cognition, Brain & Language, Brain Research, Cerebral Cortex, Cognition, Cognitive, Affective, & Behavioral Neuroscience, Computers & Education, Cortex, Current Directions in Psychology, Developmental Medicine & Child Neurology, European Journal of Cognitive Psychology, Frontiers in Human Neuroscience, Human Brain Mapping, Journal of Autism and Developmental Disorders, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: General, Journal of Experimental Psychology, Learning, Memory & Cognition, Journal of Neurolinguistics, Journal of Neurophysiology, Journal of Neurodevelopmental Disorders, Journal of Neuroscience, Memory & Cognition, Neurocase, Neuroimage, Neuron, Neuropsychologia, Neuropsychology, Neuroscience, Psychiatry Research, Psychology & Aging, Psychopharmacology, Public Library of Science, Trends in Cognitive Sciences

Academic Service

- Chair, Cognition and Cognitive Neuroscience Area, Department of Psychology (2017-2021)
- Psychology advisor for the Honors College (2014 – 2022).
- Member of the Undergraduate Policy Committee (2015-2018)
- Member of the search committee for an Open Rank Faculty position at MSU in Cognition and Cognitive Neuroscience (2015).
- Member of the search committee for an Open Rank Faculty position at MSU in Clinical Psychology (2013).
- fMRI Advisory Committee (2012-2013)

- Member of the Department of Psychology Advisory Committee (2013 – 2016).
- Member of the Search Committee for the Director of the Neuroscience Program (2011)
- Member of the Graduate Affairs Committee, Neuroscience program (2009 – 2012).
- Member of the Undergraduate Advising Committee, Cognitive Science Program (2009 – 2010).
- Member of the Search Committee for an Open Rank Faculty position at MSU in Developmental Psychology (2009).
- Member of the Search Committee for an Open Rank Faculty position at MSU in Clinical Psychology (2008).
- Member of the Search Committee for Search #PSY-09R-07 at UC Davis for the recruitment of an Assistant in the Adjunct series for a cognitive neuroscientist in the Department of Psychiatry and Behavioral Sciences (2006 – 2007)
- Organization of Cognitive Control colloquium at UC Davis (2006 – 2007)
- Faculty representative in Neuroscience Journal Club at UC Davis (2005)
- Organization of Cognitive Psychology Brown Bag at UC Berkeley (1998)

Teaching Experience

Instructor

- *Cognitive Neuroscience* (upper-division undergraduate), Michigan State University, Fall semesters, 2007 – 2017, 2019, 2021.
- *Cognitive Neuroscience* (graduate seminar), Michigan State University, Fall semesters, 2008-2010, 2013, 2015, 2018, 2020.
- *Cognitive Psychology* (lower-division undergraduate), Michigan State University, Spring semesters, 2008-2013, 2015.
- *Neurobiology of Learning and Memory* (upper-division undergraduate), Michigan State University, Spring semester, 2012

PhD Dissertations (chair)

- Jonathan Hakun (completed). Assistant Professor, Neurology, Penn State University.
- Katelyn Conn (completed). Postdoctoral Fellow, University of Michigan.
- Jingtai Liu (completed). Research intern, TAL Education group, Sunnyvale, CA.

Workshops

- Chair (2021). Brain Research: Women in Neuroscience. Live webinar presented by Elsevier on March 8, 2021. <https://www.journals.elsevier.com/brain-research/webinars/webinar-recording-brain-research-women-in-neuroscience>
- Panelist (2017). NSF panel discussion for the Social Sciences. Sponsored by the Vice President for Research and Graduate Studies, Michigan State University.
- Panelist (2013), “How people learn: A cognitive science perspective”. Sponsored by the Michigan State University Center for Academic and Future Faculty Excellence.

- Panelist (2013) “Securing 2-4 year positions” Sponsored by the Graduate School at Michigan State University
- Panelist (2012), “New Frontiers in Cognitive, Evolutionary, and Computational Models of the Mind”. Sponsored by the College of Engineering at Michigan State University.
- Panelist (2012), “How people learn: A cognitive science perspective”. Sponsored by the Michigan State University Center for Academic and Future Faculty Excellence.
- Training session in advanced programming for E-prime software (2004 -2005)

Lecturer

- *Interpersonal Communication* (Purdue University, 1991-1992)