

Curriculum Vitae

Aimée M. Surprenant (she/her)

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CITIZENSHIP: Canadian and US

EDUCATION

1992	PhD (Psychology)	Yale University
1991	MPhil (Psychology)	Yale University
1990	MS (Psychology)	Yale University
1988	BA (Psychology)	New York University

APPOINTMENTS

2021-present	Dean of Graduate Studies, Virginia Polytechnic Institute and State University
2018-2021	Associate Vice President (Academic) and Dean, School of Graduate Studies, Memorial University
2016-2018	Dean, School of Graduate Studies, Memorial University
2014-2015	Interim Associate Dean of Science (Administration and Undergraduate), Memorial University
2008-present	Professor, Department of Psychology, Memorial University
2006-2008	Associate Professor, Department of Psychology, Memorial University
2000-2006	Associate Professor, Department of Psychological Sciences, Purdue University
2004	Visiting Fellow, Department of Psychology, City University, London, UK
2002-2004	Director of Undergraduate, Studies Purdue University
1994-2000	Assistant Professor, Department of Psychological Sciences, Purdue University

1993 Visiting Assistant Professor, Department of Psychology, Indiana University

1992-1994 NIH NRSA Post-doctoral Fellow, Department of Speech and Hearing Sciences, Indiana University

OVERVIEW OF LEADERSHIP POSITIONS

Dean, School of Graduate Studies

Associate Vice President (Academic) and Dean, School of Graduate Studies

Overview of role and responsibilities:

- Oversee programs for over 4,000 graduate students enrolled in more than 120 graduate diploma, master's, and doctoral degree programs.
- Maintain graduate files and direct administration of graduate applications, admissions, comprehensive examinations, thesis examinations, and doctoral defenses.
- Administer the office of Graduate Studies (21 staff).
- Strategic graduate enrolment management planning and recruitment.
- Administer graduate student funding including providing baseline fellowships, managing assistantships, external and internal scholarships, supervisor support, and Tri-council payments.
- Oversight of \$9.7M fellowship, \$1.3M operating budgets and \$500,000 student services fee.
- Chair Academic Council for all graduate programs at Memorial University, including Grenfell and Marine Institute Campus.
- Facilitate development of graduate programs.
- Work with the Graduate Council on policies and curricula to promote continuing improvement of and innovation in graduate programs, including interdisciplinary programs and distance learning programs.
- Create and foster greater opportunities for graduate research, scholarships, and grant funding.
- Broad responsibility for retention and graduate student and post-doctoral fellow professional and skills development.
- Communicate and collaborate with the Graduate Student Union.
- Build a sense of community among graduate students and faculty that spans academic fields, while increasing the quality, diversity, and quantity of graduate students.
- Represent the School on University leadership committees and in national and international associations involved with graduate education.
- Consult on teaching assistant and post-doctoral fellow union issues.

Report to: Provost and Vice President Academic

Interim Associate Dean (Undergraduate and Administration), Faculty of Science

Overview of role and responsibilities:

- Responsible for undergraduate programs across 9 departments in the Faculty.

- Weekly meetings with Dean and other Associate Deans to discuss broad faculty concerns (budget, space, enrollment, retention, faculty priorities, student outcomes, graduate and undergraduate programs, etc.).
- Communication and interaction with faculty members across the Faculty of Science to enhance undergraduate research opportunities.

Report to: Dean, Faculty of Science

Director of Undergraduate Studies, Psychology Department, Purdue University

Overview of role and responsibilities:

- Responsible for program development and oversight of all undergraduate curriculum offerings and course offerings for over 5,000 undergraduate students.
- Chair Undergraduate Studies committee and oversaw the subject pool and honors research projects.
- Weekly meetings with department head and communication and interaction with faculty members across the university to develop and promote undergraduate studies at Purdue.

Report to: Department Chair, Psychology Department

AWARDS AND DISTINCTIONS

2019 *The Glenn Roy Blundon Award Leadership in Institutional Change* (with School of Graduate Studies) is presented annually to individuals or groups who contribute to the ongoing development of equitable and accessible learning and living environments for students at Memorial. The School of Graduate Studies at MUN won the award for promotion of academic accommodations to graduate students as a natural part of their academic experience along with commitment in leading a campus wide conversation on equity, diversity and inclusion.

2018 *Richard C. Tees Distinguished Leadership Award* from the Canadian Society for Brain, Behaviour, and Cognitive Science. The award recognizes exceptional scientists for their generous dedication to the discipline, the society, students, colleagues, journals, research, and intersociety relationships.

2018 *Fellow of the Canadian Society for Brain, Behaviour, and Cognitive Science.* Fellows are members of the CSBBCS who have made distinguished, sustained, and exceptional contributions to the Society and to the advancement of the field of brain, behaviour, and cognitive science.

2017 *Dean of Science Distinguished Scholar Medal.* The Dean of Science Distinguished Scholar Medal recognizes outstanding and sustained contributions which demonstrate a balanced approach to scholarly activities in both teaching and research. It is awarded by the Dean of Science to a deserving faculty member in the Faculty of Science and is not necessarily awarded every year.

- 2014 *2014 Canadian Journal of Experimental Psychology* Best Article of the Year Award (co-author)
- 2012 *Memorial University Outstanding Contribution to Student Life Award*. This award recognizes faculty and staff members at Memorial who go above and beyond the call of duty in helping their students achieve both inside and outside of the classroom. It is awarded based upon involvement with student clubs and societies, assisting student research projects outside of course requirements, assisting in scholarship and bursary pursuit, involvement in student success programs, and a demonstrated commitment and involvement with any faculty-staff initiatives. Nominations for this award are based solely on recommendation letters from current or past undergraduate students.

PUBLICATIONS IN REFEREED JOURNALS (65)

(names in **bold** were students or post-docs at time of submission)

- Neath, I., Surprenant, A. M., & Crowder, R. G. (1993). The context-dependent stimulus suffix effect. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *19*, 698-703. doi:10.1037/0278-7393.19.3.698
- Surprenant, A. M., Pitt, M. A. & Crowder, R. G. (1993). Auditory recency in immediate memory. *Quarterly Journal of Experimental Psychology*, *46A*, 193-223. doi: 10.1080/14640749308401044
- Surprenant, A. M., & Neath, I. (1996). The relation between discriminability and memory for vowels, consonants, and silent-center vowels. *Memory & Cognition*, *24*, 356-366. doi: 10.3758/BF03213299
- Surprenant, A. M., & Neath, I. (1997). T. V. Moore's (1939) *Cognitive Psychology*. *Psychonomic Bulletin and Review*, *4*, 342-349. doi: 10.3758/BF03210791
- Neath, I., Surprenant, A. M., & LeCompte, D. C. (1998). Irrelevant speech eliminates the word length effect. *Memory & Cognition*, *26*, 343-354. doi: 10.3758/BF03201145
- Surprenant, A. M., & Goldstein, L. (1998). The perception of speech gestures. *Journal of Acoustical Society of America*, *104*, 518-529.
- Surprenant, A. M. (1999). Effects of noise on memory for spoken syllables. *International Journal of Psychology*, *34*, 328-333. doi: 10.1080/002075999399648
- Surprenant, A. M., Hura, S. L., Harper, M. P., & Jamieson, L. J., Long, G., **Thede, S. M., Rout, A., Hsueh, T. H. Hockema, S. A., Johnson, M. T., Srinivaan, P. N., & White, C. M.** (1999). Familiarity and pronunciability of nouns and names. *Behavior Research Methods, Instruments, & Computers*, *31*, 638-649. doi: 10.3758/BF03200740

- Surprenant, A. M., Neath, I., & LeCompte, D. C. (1999). Irrelevant speech, phonological similarity, and presentation modality. *Memory, 7*, 405-420. doi:10.1080/741944920
- Surprenant, A. M., LeCompte, D. C., & Neath, I. (2000). Manipulations of irrelevant information: Suffix effects with articulatory suppression and irrelevant speech. *Quarterly Journal of Experimental Psychology 53A*, 325-348. doi:10.1080/027249800390510
- Surprenant, A. M. (2001). Distinctiveness and serial position effects in tonal sequences. *Perception & Psychophysics, 63*, 737-745. doi: 10.3758/BF03194434
- Surprenant, A. M., & Watson, C. S. (2001). Individual differences in the processing of speech and non-speech sounds by normal-hearing listeners. *Journal of the Acoustical Society of America, 110*, 2086-2095.
- Hastings, A., Lee, H. H., Davies, P., & Surprenant, A. M.** (2003). Measurement of the attributes of complex tonal components commonly found in product sound. *Noise Control Engineering Journal, 51*, 195-212.
- Neath, I., **Bireta, T. J.**, & Surprenant, A. M. (2003). The time-based word length effect and stimulus set specificity. *Psychonomic Bulletin & Review 10*, 430-434. doi:10.3758/BF03196502
- Neath, I., **Farley, L. A.**, & Surprenant, A. M. (2003). Directly assessing the relationship between irrelevant speech and articulatory suppression. *Quarterly Journal of Experimental Psychology, 56A*, 1269-1278. doi:10.1080/02724980244000756
- Hulme, C., Surprenant, A. M., **Bireta T. J.**, Stuart, G., & Neath, I. (2004). Abolishing the word-length effect. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 30*, 98-106. doi:10.1037/0278-7393.30.1.98
- Surprenant, A. M., Kelley, M. R., **Farley, L. A.**, & Neath, I. (2005). Fill-in and infill errors in order memory. *Memory, 13*, 267-273. doi:10.1080/09658210344000396
- Bireta, T. J.**, Neath, I., & Surprenant, A. M. (2006). The syllable based word length effect and stimulus set specificity. *Psychological Bulletin & Review, 13*, 434-438. doi:10.3758/BF03193866
- Hulme, C., Neath, I., Stuart, G., Shostak, L., Surprenant, A. M., & Brown, G. D. A. (2006). The distinctiveness of the word-length effect. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 32*, 586-594. doi:10.1037/0278-7393.32.3.586
- Surprenant, A. M., Neath, I., & Brown, G. D. A. (2006). Modeling age-related differences in immediate memory using SIMPLE. *Journal of Memory and Language, 55*, 572-586. doi:10.1016/j.jml.2006.08.001

- Farley, L. A.,** Neath, I., Allbritton, D. W., & Surprenant, A. M. (2007). Irrelevant speech effects and sequence learning. *Memory & Cognition, 35*, 156-165. doi:10.3758/BF03195951
- Surprenant, A. M. (2007). Effects of noise on identification and serial recall of nonsense syllables in older and younger adults. *Aging, Neuropsychology, and Cognition, 14*, 126-143. doi: 10.1080/13825580701217710
- Beaman, C. P., Neath, I., & Surprenant, A. M. (2008). Modeling distributions of immediate memory effects: No strategies needed? *Journal of Experimental Psychology: Learning, Memory, and Cognition, 34*, 219-229. doi: 10.1037/0278-7393.34.1.219
- Bireta, T. J.,** Surprenant, A. M., & Neath, I. (2008). Age-related differences in the von Restorff isolation effect. *Quarterly Journal of Experimental Psychology, 61*, 345-352. doi:10.1080/17470210701626608
- Surprenant, A. M., Neath, I., Bireta, T. J., & Allbritton, D. A. (2008). Directly assessing the relationship between irrelevant speech and irrelevant tapping. *Canadian Journal of Experimental Psychology, 62*, 141-149. doi: 10.1037/1196-1961.62.3.141
- Guérard, K., Jalbert, A.,** Neath, I., Surprenant, A. M., & Bireta, T. J. (2009). Irrelevant tapping and the acoustic confusion effect: The role of spatial complexity. *Experimental Psychology, 56*, 367-374. doi: 10.1027/1618-3169.56.5.367
- Neath, I., **Guérard, K., Jalbert, A.,** Bireta, T. J., & Surprenant, A. M. (2009). Irrelevant speech effects and statistical learning. *Quarterly Journal of Experimental Psychology, 62*, 1551-1559. doi: 10.1080/17470210902795640
- Bireta, T. J., **Fry, S. E., Jalbert, A.,** Neath, I., Surprenant, A. M., Tehan, G., & Tolan, G. A. (2010). Backward recall and benchmark effects of working memory. *Memory & Cognition, 38*, 279-291. doi: 10.3758/MC.38.3.279
- Guérard, K.,** Neath, I., Surprenant, A. M., & Tremblay, S. (2010). Distinctiveness in spatial memory for spatial information. *Memory & Cognition, 38*, 83-91. doi: 10.3758/MC.38.1.83
- Carroll, L. M., Jalbert, A., Penney, A. M.,** Neath, I., Surprenant, A. M., & Tehan, G. (2010). Evidence for proactive interference in the focus of attention of working memory. *Canadian Journal of Experimental Psychology, 64*, 208-214. doi: 10.1037/a0021011
- Surprenant, A. M., **Brown, M. A., Jalbert, A.,** Neath, I., Bireta, T. J., & Tehan, G. (2011). Backward recall and the word length effect. *The American Journal of Psychology, 124*, 75-86. doi:10.5406/amerjpsyc.124.1.0075
- Ralph, A., Walters, J. N., Stevens, A., Fitzgerald, K. J., Tehan, G., Surprenant, A. M., Neath, I., & Turcotte, J. (2011). Immunity to proactive interference is not a property of the focus of attention in working memory. *Memory & Cognition, 39*, 217-230. doi: 10.3758/s13421-010-0030-7

- Neath, I., Earle, A., Hallett, D., & Surprenant, A. M. (2011). Response time accuracy in Apple Macintosh computers. *Behavior Research Methods*, *43*, 353-362. doi: 10.3758/s13428-011-0069-9
- Jalbert, A.**, Neath, I., Bireta, T. J., & Surprenant, A. M. (2011). When does length cause the word length effect? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *37*, 338-353. doi: 10.1037/a0021804
- Jalbert, A.**, Neath, I., & Surprenant, A. M. (2011). Does length or neighborhood size cause the word length effect? *Memory & Cognition*, *39*, 1198-1210. doi: 10.3758/s13421-011-0094-z
- VanWormer, L. A., Bireta, T. J., Surprenant, A. M., & Neath, I. (2012). The effect of perceptual cues on inhibiting irrelevant information in older adults using a list-learning method. *Experimental Aging Research*, *38*, 279-294. doi: 10.1080/0361073X.2012.672131
- Kelley, M. R., Neath, I., & Surprenant, A. M. (2013). Three more semantic serial position functions and a SIMPLE explanation. *Memory & Cognition*, *41*, 600-610. doi:10.3758/s13421-012-0286-1
- Surprenant, A. M., Davies, P., & **Gallant, D.** (2013). Speech intelligibility in automobile noise in young and middle aged adults. *Canadian Acoustics*, *41*, 17-24.
- Peynircioğlu, Z. F., **March, J. D.**, Surprenant, A. M., & Neath, I. (2013). Contrast and congruence effects in affective priming of words and melodies. *Psychology of Language and Communication*, *17*, 1-15. doi:10.2478/plc-2013-0001
- Parsons, K., Surprenant, A. M., Tracey, A-M., & Godwin, M. (2013). A qualitative needs assessment of community dwelling older adults with age-associated memory loss or mild cognitive impairment. *Canadian Family Physician*, *59*, 278-285.
- Beaudry, O.**, Neath, I., Surprenant, A.M. & Tehan, G. (2014). The Focus of Attention is similar to other memory systems rather than uniquely different. *Frontiers in Human Neuroscience*, *8*:56. doi:10.3389/fnhum.2014.00056
- Kelley, M. R., Neath, I. & Surprenant, A. M. (2014). A remember-know analysis of the semantic serial position function. *The American Journal of Psychology*, *127*, 137-145. doi:10.5406/amerjpsyc.127.2.0137
- Neath, I., VanWormer, L. A., Bireta, T. J., & Surprenant, A. M. (2014). From Brown-Peterson to continual distractor via operation span: A SIMPLE account of complex span. *Canadian Journal of Experimental Psychology*, *68*, 204-211. doi:10.1037/cep0000018 *Winner of 2014 CJEP Best Article of the Year Award.

- DiDonato, R., M., & Surprenant, A. M.,** (2015). Relatively effortless listening promotes understanding and recall of medical instructions in older adults. *Frontiers in Psychology (Language Sciences)*, *6*. doi:10.3389/fpsyg.2015.00778
- Kelley, M. R., Neath, I. & Surprenant, A. M. (2015). Serial position functions in general knowledge. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *41*, 1715-1727. doi:10.1037/xlm0000141
- Quinlan, J.,** Neath, I., & Surprenant, A. M. (2015). Positional uncertainty in the Brown-Peterson paradigm. *Canadian Journal of Experimental Psychology*, *69*, 64-71. doi:10.1037/cep0000038
- Neath, I., Kelley, M.R., & Surprenant, A. M. (2016). Three semantic serial position functions at the same time. *Experimental Psychology* *63*, 351-360. doi:10.1027/1618-3169/a000344
- Derraugh, L. S.,** Neath, I., Surprenant, A. M., **Beaudry, O.,** & Saint-Aubin, J. (2017). The effect of lexical factors on recall from working memory: Generalizing the neighborhood size effect. *Canadian Journal of Experimental Psychology*. *71*, 23-31. doi:10.1037/cep0000098
- Bireta, T. J., **Gabel, A. J., Lamkin, R. M.,** Neath, I., & Surprenant, A. M. (2018). Distinctiveness and serial position functions in implicit memory. *Journal of Cognitive Psychology* *30*, 222-229. 10.1080/20445911.2017.1415344
- Chubala, C.,** Surprenant, A. M., Neath, I., & Quinlan, P. T. (2018). Does dynamic visual noise eliminate the concreteness effect in working memory? *Journal of Memory and Language*. *102*, 97–114. doi:10.1016/j.jml.2018.05.009
- Guitard, D., Gabel, A. J.,** Saint-Aubin, J., Surprenant, A. M., & Neath, I. (2018). Word length, set size, and lexical factors: Re-examining what causes the word length effect. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *44*, 1824-1844. doi:10.1037/xlm0000551
- Ensor, T. M.,** Surprenant, A. M., & Neath, I. (2019). Increasing word distinctiveness eliminates the picture superiority effect in recognition: Evidence for the physical distinctiveness account. *Memory & Cognition*, *47*, 182-193. doi:10.3758/s13421-018-0858-9
- Neath, I., Saint-Aubin, J., Bireta, T. J., **Gabel, A. J., Hudson, C. G.,** & Surprenant, A. M. (2019). Short- and long-term memory tasks predict working memory performance, and vice versa. *Canadian Journal of Experimental Psychology*, *73*, 79-93. doi:10.1037/cep0000157
- Chubala, C. M.,** Neath, I., & Surprenant, A. M. (2019). A comparison of immediate serial recall and immediate serial recognition. *Journal of Experimental Psychology*, *73*, 5-27. doi:10.1037/cep0000158 *Winner of 2019 CJEP Best Article Award

- Neath, I., & Surprenant, A. M. (2019). Set size and long-term memory/lexical effects in immediate serial recall: Testing the impurity principle. *Memory & Cognition*, *47*, 455-472. doi:10.3758/s13421-018-0883-8
- Ensor, T. J., Guitard, D., Bireta, T. J., Hockley, W. E., & Surprenant, A. M.** (2019). The list-length effect occurs in cued recall with the retroactive design but not the proactive design. *Canadian Journal of Experimental Psychology*. doi:10.1037/cep0000187 *Winner of the 2020 CJEP Best Article Award
- Chubala, C. M., Ensor, T. M., Neath, I., & Surprenant, A. M.** (2020). Dynamic visual noise affects only ill-defined, not well-defined, images. *Memory*, *28*, 112-127. doi:10.1080/09658211.2019.1691236
- Chubala, C. M., Guitard, D., Neath, I., Saint-Aubin, J., & Surprenant, A. M.** (2020). Visual similarity effects in immediate serial recall and (sometimes) in immediate serial recognition. *Memory & Cognition*, *48*, 411-425. doi:10.3758/s13421-019-00979-5
- Neath, I., & Surprenant, A. M. (2020). Concreteness and disagreement: Comment on Pollock (2018). *Memory & Cognition* *48*, 683-690. doi:10.3758/s13421-019-00992-8
- Ensor, T. J., Surprenant, A. M., & Neath, I.** (2020). Modeling list-strength and spacing effects using version 3 of the Retrieving Effectively from Memory (REM.3) model. *Behavior Research Methods*. doi:10.3758/s13428-019-01324-z
- Ensor, T. J., Bancroft, T. D., Guitard, D., Bireta, T. J., Hockley, W. E., & Surprenant, A. M.** (2020). Testing a strategy-disruption account of the list-strength effect: Are sampling bias and output interference responsible? *Experimental Psychology*, *67*, 255-275. <https://doi.org/10.1027/1618-3169/a000494>.
- Chubala, C. M., Ensor, T. J., Neath, I., & Surprenant, A. M.** (2020). Dynamic visual noise does not affect memory for fonts: Redefining the image definition hypothesis. *Experimental Psychology*, *67*, 161-168. <https://doi.org/10.1027/1618-3169/a000491>.
- Bireta, T. J., Guitard, D., Neath, I., & Surprenant, A. M. (2021). Valence does not affect serial recall. *Canadian Journal of Experimental Psychology*, *75*, 35-47. doi:10.1037/cep0000239
- MacMillan, M., Neath, I., & Surprenant, A. M. (in press, accepted December 31, 2020). Re-assessing Age of Acquisition Effects in recognition, free recall, and serial recall. *Memory and Cognition*.
- Ensor, T. M., **Macmillan, M. B.**, Neath, I., & Surprenant, A. M. (in press, accepted February 23, 2021). Calculating semantic relatedness of lists of nouns using WordNet path length. *Behavior Research Methods*.

BOOKS (2)

Neath, I., & Surprenant, A. M. (2003). *Human memory: An introduction to research, data, and theory (2nd Ed.)*. Belmont, CA: Wadsworth.

Translated to Italian as: Neath, I., & Surprenant, A. M. (2011). *La memoria umana: Apprendimento e organizzazione delle conoscenze* (M. Bucciarelli, Ed., G. Di Natale, Trans.). Napoli: Idelson-Gnocchi.

Surprenant, A. M., & Neath, I. (2009). *Principles of memory*. New York: Psychology Press.

Translated to Japanese as: □ □ □ □ □ □ □ , A. M., & □ □ □ , I. (2013). □ □ □ □ □ □ (□ □ □ □ □ □ , □). Tokyo: Keiso Shobo.

EDITED BOOKS (2)

Roediger, H. L. III, Nairne, J. S., Neath, I., & Surprenant, A. M. (Eds.) (2001). *The nature of remembering: Essays in honor of Robert G. Crowder*. Washington, DC: American Psychological Association.

Surprenant, A. M., Francis, G., & Neath, I. (2005). *CogLab reader*. Belmont, CA: Wadsworth.

BOOK CHAPTERS (12)

Crowder, R. G., & Surprenant, A. M. (1995). On the linguistic module in auditory memory. In B. de Gelder and J. Morais (Eds.), *Speech and reading* (pp. 49-64). East Sussex: Lawrence Erlbaum Associates.

Crowder, R. G., & Surprenant, A. M. (2000). Sensory memory. In A. E. Kazdin (Ed.), *Encyclopedia of Psychology, Vol. 7* (pp. 227-229). New York: APA/Oxford.

Francis, G. F., Neath, I., & Surprenant, A. M. (2000). Java experiments: The cognitive psychology online laboratory. In M. H. Birnbaum (Ed.), *Psychological experiments on the internet* (pp. 267-283). New York: Academic Press.

Neath, I., & Surprenant, A. M. (2001). The irrelevant sound effect is not always the same as the irrelevant speech effect. In H. L. Roediger III, J. S. Nairne, I. Neath, & A. M. Surprenant (Eds.), *The nature of remembering: Essays in honor of Robert G. Crowder* (pp. 247-265). Washington, DC: American Psychological Association.

Neath, I., & Surprenant, A. M. (2005). Mechanisms of memory. In K. Lamberts & R. L. Goldstone (Eds.), *Handbook of cognition* (pp. 221-238). London: Sage.

Neath, I., & Surprenant, A. M. (2007). Accounting for age-related differences in working memory using the feature model. In N. Osaka, R. H. Logie, and M. D'Esposito (Eds.), *The cognitive neuroscience of working memory: Behavioural and neural correlates* (pp. 165-180). Oxford: Oxford University Press.

- Surprenant, A. M., **Bireta, T. J., & Farley, L. A.** (2007). A brief history of memory and aging. In J. S. Nairne (Ed.), *The foundations of remembering: Essays in honor of Henry L. Roediger, III* (pp. 107-123). Hove, UK: Psychology Press.
- Surprenant, A. M., & Neath, I. (2007). Cognitive aging. In J. M. Wilmouth, and K. F. Ferraro (Eds.), *Gerontology: Perspectives and issues, 3rd Edition* (pp. 89-109). New York: Springer Publishing Company.
- Bireta, T. J., & Surprenant, A. M.** (2008). Aging and memory: A review of theories, source and context memory, and distinctiveness. In F. Columbus (Ed.), *Women and aging: New research* (pp. 431-459). Happaug, NY: Nova Science Publishers.
- Neath, I., & Surprenant, A. M. (2008). Short- vs. long-term memory. In A. S. Benjamin, J. S. de Belle, B. Etnyre, and T. Polk (Eds.), *Human learning: Biology, brain, and neuroscience* (pp. 21-31). Holland: Elsevier.
- Surprenant, A. M., & Neath, I. (2008). The 9 lives of short-term memory. In A. Thorn & M. Page (Eds.), *Interactions between short-term and long-term memory in the verbal domain* (pp. 16-43). Hove, UK: Psychology Press.
- Neath, I., & Surprenant, A. M. (2015). Proactive interference. In J. Wright (Ed.), *International encyclopedia of social and behavioral science*, 2nd edition, vol. 19 (pp. 1-8). Oxford, UK: Elsevier.

OTHER PUBLICATIONS AND PROCEEDINGS (7)

- Snodgrass, J. G., & Surprenant, A. M. (1989). Effect of retention interval on implicit and explicit memory for pictures. *Bulletin of the Psychonomic Society*, 27, 395-398. doi: /10.3758/BF03334636
- Beaman, C. P., Neath, I., & Surprenant, A. M. (2007). Phonological similarity effects without a phonological store: An individual differences model. *Proceedings of the Twenty Ninth Annual Conference of the Cognitive Science Society* (pp. 89-94). Mahwah, NJ: Erlbaum.
- Surprenant, A. M., Neath, I., & **Bireta, T. J.** (2007). Changing state and the irrelevant sound effect. *Canadian Acoustics*, 35, 86-87.
- Parsons, K., Surprenant, A., Tracey, A. M., & Godwin, M. (2009). A qualitative needs assessment of community dwelling older adults with age-associated memory impairment or mild cognitive impairment. *Journal of Nutrition, Health, and Aging*, 13, Supp. 1, S329.
- Ronson, A., & Surprenant, A. M. (2012). Getting a handle on science policy: Report on the 2011 Canadian Science Policy Conference. *Psynopsis*, 34(1), 52-53.
- Surprenant, A. M. (2013). Science advocacy. *Psynopsis*, 35(1), 9.

DiDonato, R., & Surprenant, A. M. (2013). Community-dwelling older adults with hearing loss experience greater decline in cognitive function over time than those with normal hearing. *Evidence-Based Nursing, 17*, 60-61. doi:10.1136/eb-2013-101375

INVITED ADDRESSES (7)

Surprenant, A. M., & Neath, I. (2021). Principles of Memory. Invited presentation at the Vanderbilt University Cognitive Science/Cognitive Neuroscience (CCN) seminar.

Surprenant, A. M. (2017). The Impact of Postdocs: Institution, PI, Individual. Opening Plenary Address at the Canadian Association of Postdoctoral Administrators 2017 Conference, Quebec City, November, 2017.

Surprenant, A. M. (2017). Program in Graduate Student Supervision. Invited address at the Canadian Association for Graduate Studies Annual Conference, Quebec City, November, 2017.

Surprenant, A. M. (2017). The Changing Face of Global Mobility: A Canadian Perspective. Invited panelist at the 57th Annual Meeting of the Council of Graduate Schools, Scottsdale, AZ, November 2017.

Surprenant, A. M. (2018). Using data effectively for decision-making. Invited address at the Canadian Association for Graduate Studies New Dean's Institute, Winnipeg, MB, November, 2018.

Surprenant, A. M. (2018). Graduate Student Entrepreneurship Training Program. Invited address at the 58th Annual Meeting of the Council of Graduate Schools, Washington, DC, December 2018.

Surprenant, A. M. (2019). Managing priorities as a graduate school dean. Invited address at the Canadian Association for Graduate Studies New Dean's Institute, Halifax, NS, November 2019.

ABSTRACTS AND CONFERENCE PRESENTATIONS (83)

Surprenant, A. M., Neath, I., & Crowder, R. G. (1991, November). A context dependent stimulus suffix effect. Paper presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco, CA.

Surprenant, A. M., Goldstein, L., & Neath, I (1993). The perception of speech gestures. *Journal of the Acoustical Society of America, 93*, 2393.

Watson, C. S., Kidd, G. R., Surprenant, A. M., & Drennan, W. R. (1993). Use of the psychophysical method of adjustment in tonal pattern discrimination. *Journal of the Acoustical Society of America, 93*, 2315.

- Watson, C. S., Kidd, G. R., Surprenant, A. M., & Drennan, W. R. (1993). Properties of the structure of multi tone sequential patterns that determine the difficulty of perceptually isolating single target components. *Journal of the Acoustical Society of America*, *93*, 2315-2316.
- Surprenant, A.M. & Kewley-Port, D. (1994). The effect of discriminability on dimensional interactions of pitch with vowel and consonant identity. *Journal of the Acoustical Society of America*, *95*, 2975.
- Surprenant, A. M. & Neath, I. (1994, November). Serial recall for vowels, consonants, and silent-center syllables. Poster presented at the 35th Annual meeting of the Psychonomic Society, St. Louis, MO.
- Surprenant, A. M., & Watson, C. S. (1995). Individual differences in speech and nonspeech processing among normal-hearing subjects. *Journal of the Acoustical Society of America*, *97*, 3275.
- Surprenant, A. M. (1996). Distinctiveness and serial position effects in tonal sequences: Combining DDT and PTD. *Journal of the Acoustical Society of America*, *99*, 2565.
- Neath, I., & Surprenant, A. M. (1996, October). Irrelevant speech abolishes the word length effect. *Abstracts of the Psychonomic Society*, *1*, 52.
- Stevenson, A. K., & Surprenant, A. M. (1996, November). Negative priming in audition. *Abstracts of the Psychonomic Society*, *1*, 59.
- Surprenant, A. M., Hura, S. L., Harper, M. P., Jamieson, L. H., Hockema, S. A., Hsueh, T., Johnson, M. T., Srinivasan, P. N., Thede, S. M., White, C. M., Long, G., & Rout, A. (1998, May). Familiarity and pronounceability of nouns and names. *Journal of the Acoustical Society of America*, *103*, 2980.
- Surprenant, A. M. (1998, June). The effect of noise and simulated hearing loss on memory. Paper presented at the Québec 98 Memory Conference, Québec City, Canada.
- Surprenant, A. M. (1998). Irrelevant speech effects in recognition. *Abstracts of the Psychonomic Society*, *3*, 62.
- Neath, I., & Surprenant, A. M. (1999, June). The irrelevant sound effect is not always the same as the irrelevant speech effect. Paper presented at the Festschrift for Robert G. Crowder, New Haven, CT.
- Neath, I., & Surprenant, A. M. (2000, September). Fill-in and infill errors. Paper presented at the Invited Symposium on Memory for Serial Order at the XVII British Psychological Society Cognitive Section Conference, University of Essex.
- Surprenant, A. M. (2001). Speech processing and memory throughout the lifespan. *Journal of the Acoustical Society of America*, *109*, 2502.

- Surprenant, A. M., & Neath, I. (2001, July). Applying SIMPLE: A Model of Scale Invariant Memory, Perception, and Learning. Invited address at the Fifth Annual Meeting of Junior Faculty in Perceptual Science. Northwestern University, Chicago, IL.
- Neath, I., & Surprenant, A. M. (2001). Where did the word length effect go? *Abstracts of the Psychonomic Society*, 6, 98.
- Surprenant, A. M., **Bireta, T. J.**, & Neath, I. (2002, July). Global versus local explanations of the segment-based word length effect. Paper presented at the Québec 2002 Memory Conference, Québec City, Canada.
- Surprenant, A. M. (2002, August). Effects of noise on memory. Invited address at the Sixth Annual Meeting of Junior Faculty in Perceptual Science. Northwestern University, Chicago, IL.
- Surprenant, A. M. (2002, October). Memory and cognitive changes with aging: What gets worse? Paper presented at the Indiana Governor's Conference on Aging and In-Home Services, Indianapolis, IN.
- Lee, K. H.**, **Hastings, A.**, Davies, P., & Surprenant, A. M. (2003, August). Perception of time-varying tonal components. Paper presented at Inter-Noise 2003, the 32nd International Congress and Exposition on Noise Control Engineering. Seogwipo, Korea.
- Bireta, T. J.**, Neath, I., & Surprenant, A. M. (2003). Word length effects in mixed and pure lists. Paper presented at the Invited Symposium Short-term/Working memory at the XX British Psychological Society Cognitive Section Conference, University of Reading, September 2003.
- Farley, L. A.**, Neath, I., & Surprenant, A. M. (2003). Irrelevant speech and implicit memory. Paper presented at the Invited Symposium Auditory Attention/Distraction at the XX British Psychological Society Cognitive Section Conference, University of Reading, September 2003.
- Surprenant, A. M. (October 7, 2003). "Effects of perceptual degradation on memory" at the University of Illinois at Chicago's Cognitive Brownbag series.
- Basu, M. L.**, & Surprenant, A. M. (2003). Processing of speech and non-speech stimuli in children with specific language impairment. *Journal of the Acoustical Society of America*, 114, 2335.
- Saweikis, M.**, Surprenant, A. M., Davies, P., & Gallant, D. (2003). Speech intelligibility index predictions for young and old listeners in automobile noise: Can the index be improved by incorporating factors other than absolute threshold? *Journal of the Acoustical Society of America*, 114, 2351.
- Surprenant, A. M., **Saweikis, M.**, & Neath, I. (2003). The irrelevant speech effect: What does 'changing' mean? *Abstracts of the Psychonomic Society*, 8, 63.

- Gallant, D.**, Davies, P. & Surprenant, A. M. (August 22-24, 2004). Sound attributes of motor driven devices in automobiles. Paper presented at Internoise, 2004, Prague, Czech Republic.
- Lee, K. H., Davies, P., & Surprenant, A. M. (July, 2004). Quantification of the tonal prominence of complex tones in machinery noise. Institute of Noise Control Engineering Conference, 2004, Baltimore, MD.
- Saweikis, M.**, Surprenant, A. M., **Gallant, D.**, & Davies, P. (August 2004). Predicting speech intelligibility in automobile noise for subjects with normal and impaired hearing. Paper presented at Inter-noise 2004, International Congress and Exposition on Noise Control Engineering. Prague, Czech Republic.
- Gallant, D.**, Davies, P. & Surprenant, A. M. (August 2004). Sound attributes of motor driven devices in automobiles. Paper presented at Inter-noise 2004, International Congress and Exposition on Noise Control Engineering. Prague, Czech Republic.
- Neath, I., & Surprenant, A. M. (2004). Accounting for age-related differences in working memory using the feature model. Invited paper presented at the 2nd International Conference on Working Memory, Kyoto, Japan, August 2004.
- Surprenant, A. M., **Bireta, T. J.**, **Farley, L. A.**, & Neath, I. (March, 2005). A brief history of memory and aging. Paper presented at the RoddyFest: Conference in Honor of Henry L. Roediger, III, Purdue University, West Lafayette, IN.
- Beaman, C. P., Neath, I., & Surprenant, A. M. (2005). Evaluating models of human memory function. Paper presented at the Festschrift for John Morton, University of Leeds, UK, September 2005.
- Lee, K. H.**, Davies, P. & Surprenant, A. M. (October, 2005). Tonal strength of harmonic complex tones in machinery noise. Paper presented at Institute of Noise Control Engineering Annual Conference, Minneapolis, Minnesota.
- Surprenant, A. M., **Bireta, T. J.**, **Farley, L. A.**, & Neath, I. (October 2005). Modeling the effects of aging on immediate memory for phonologically confusable lists. Poster presented at the Aging and Speech Communication Conference, Indiana University, Bloomington Indiana.
- Surprenant, A. M., Farley, L. A., & Neath, I. (November 2005). Age-related differences in the phonological similarity effect: The contribution of sensory acuity. *Abstracts of the Psychonomic Society, 10, 55.*
- Bireta, T. J., Neath, I. & Surprenant, A. M. (November 2005). The word-length effect and stimulus set specificity. *Abstracts of the Psychonomic Society, 10, 55.*
- Neath, I., & Surprenant, A. M. (April 2006). Modeling the effects of aging on immediate memory. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.

- Surprenant, A. M. (May, 2006). Sensory and perceptual contributions to immediate memory performance in older and younger adults. Invited address given at CUNY Graduate Center, Department of Speech and Hearing Sciences.
- Farley, L. A.,** Neath, I., & Surprenant, A. M. (2006). Testing exceptions to the inhibitory deficit hypothesis. *Abstracts of the Psychonomic Society, 11*, 54.
- Neath, I., Surprenant, A. M., & **Little, K. R.** (June, 2007). Predicting memory performance in older adults from perceptual abilities. Paper presented at the 17th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science: Victoria, British Columbia.
- Beaman, C. P., Neath, I., & Surprenant, A. M. (July, 2007). On abandoning the phonological store. Paper presented to the joint meeting of the Experimental Psychology Society and the Psychonomic Society, Edinburgh, UK.
- Beaman, C. P., Neath, I., & Surprenant, A. M. (August, 2007). Phonological similarity effects without a phonological store: An individual differences model. Proceedings of the 29th Annual Conference of the Cognitive Science Society, Nashville, TN.
- Adams, R. J., **Bishop, C. G. M., Barrett, A. L.,** Surprenant, A. M., & Courage, M. L. (April, 2008). Direct comparison of new clinical tests of resolution and recognition of spatial contrast sensitivity in younger and older adults. Poster presented at ARVO 2008, Fort Lauderdale, FL.
- Guérard, K., Neath, I., Tremblay, S., & Surprenant, A. M. (2008). Extending distinctiveness to the spatial domain. Poster presented at the 18th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) in London, ON.
- Neath, I., & Surprenant, A. M. (July, 2008). Modeling memory performance in older adults: Assessing the contribution of perceptual deficits. Invited paper presented at the XXIX International Congress of Psychology, Berlin, Germany.
- Faux, B.,** & Surprenant, A. M. (November, 2008). The relationship between vision and age-related memory loss. *Abstracts of the Psychonomic Society, 13*, 85.
- Jalbert, A.,** Neath, I., & Surprenant, A. M. (November, 2008). On the irrelevance of length to the word length effect. *Abstracts of the Psychonomic Society, 13*, 90.
- Bireta, T. J., **Fry, S. E., Jalbert, A.,** Neath, I., Surprenant, A. M., & Tehan, G. (November 2009). Backward serial recall and benchmark effects of working memory. *Abstracts of the Psychonomic Society, 14*, 66.
- March, J.,** Surprenant, A. M., & Peynircioglu, Z. F. (November, 2009). Prosodic cues affecting memory in music as a function of expertise. *Abstracts of the Psychonomic Society, 14*, 162.

- VanWormer, L.A.,** Bireta, T.J., Surprenant, A.M., Neath, I. (2010). The effect of color cues on inhibiting irrelevant information. Winner of Outstanding Professional Paper Award presented at 56th Annual Conference of the SouthEastern Psychological Association, Chattanooga, TN, March 2010.
- Parsons. K., Surprenant, A., Tracey, A. M., & Godwin, M. (2010). A qualitative needs assessment of community dwelling older adults with age-associated memory impairment or mild cognitive impairment in Newfoundland Canada. Poster presented at the International Federation on Ageing 10th Global Conference, Melbourne, Australia.
- Parsons. K., Surprenant, A., Tracey, A. M., & Godwin, M. (2010). A qualitative needs assessment of community dwelling older adults with age-associated memory impairment or mild cognitive impairment in Newfoundland Canada. Poster presented at the Canadian Coalition for Seniors' Mental Health, Halifax Nova Scotia.
- March, J.,** Surprenant, A. M., & Neath, I. (2010). Prosodic cues in memory for melodies as a function of expertise. Paper presented in the “Music and memory: Development, expertise, mental status, and neural activation” symposium at the Canadian Psychological Association Convention, Winnipeg, MB, June 3-5.
- Faux, B.,** Surprenant, A. M., & Neath, I. (2010). The relationship between visual contrast sensitivity and age-related memory loss. Paper presented in the “Perception and cognition: What we can learn from diverse populations” symposium at the Canadian Psychological Association Convention, Winnipeg, MB, June 3-5.
- Handrigan, J.,** Surprenant, A. M., Neath, I., & Brown, G. D. A. (2010). Associations and temporal context in paired-associate memory. Paper presented in the “Aspects of human memory” symposium at the Canadian Psychological Association Convention, Winnipeg, MB, June 3-5.
- Jalbert, A.,** Neath, I., & Surprenant, A. M. (2010). The influence of neighbourhood size on recall performance of short and long nonwords. Poster presented at the 20th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Halifax, Nova Scotia, June 2010.
- Neath, I., Saint-Aubin, J., & Surprenant, A. M. (2010). Similar principles govern recall from episodic and semantic memory: Evidence from presidents and prime ministers. *Abstracts of the Psychonomic Society, 15, 5.*
- Collett, M.,** Surprenant, A. M., Neath, I., & **Kenny, S.** (2011). Irrelevant speech and statistical learning of tone sequences. Poster presented at the Canadian Psychological Association Convention, Toronto, ON, June 2-4.
- Jalbert, A., Kenny, S., Collins, R.,** Neath, I., & Surprenant, A. M. (2011). Does a long-term memory task predict short-term memory performance? Poster presented at the Canadian Psychological Association Convention, Toronto, ON, June 2-4.

- DiDonato, R.,** Surprenant, A. M., & Neath, I. (2012). Effects of effortful listening on memory for prescription instructions. Poster presented at the 2012 American Association of Audiology's annual meeting, AudiologyNOW!, Boston, MA, March 28-31.
- DiDonato, R.,** Surprenant, A. M., & Neath, I. (2012). How age-related hearing loss impacts memory for medical adherence in older adults. Poster presented at the 73rd Annual Convention of the Canadian Psychological Association, Halifax, NS, June 14-16.
- Jalbert, A.,** Surprenant, A. M., Saint-Aubin, J., & Neath, I. (2012). Aging and the bilingual mind: evidence from a reading with distraction task. Poster presented at the 73rd Annual Convention of the Canadian Psychological Association, Halifax, NS, June 14-16.
- DiDonato, R.,** Surprenant, A. M., & Neath, I. (2012). How enhancements to the auditory-verbal message impacts memory for prescription instructions in older adults. Paper presented at the NLCAHR Research on Aging Conference, Corner Brook, NL, September 24-25.
- Kelley, M. R., Neath, I., & Surprenant, A. M. (2012). Three more semantic serial position functions and a SIMPLE explanation. *Abstracts of the Psychonomic Society, 17*, 33.
- DiDonato, R.,** Surprenant, A. M., & Neath, I. (2013). Can we make older adults listen and remember as if they were young again? Poster presented at the Second International Conference on Cognitive Hearing Science for Communication, Linköping, Sweden, June 16-19, 2013.
- Kelley, M. R., Neath, I., & Surprenant, A. M. (2013). A remember/know analysis of the semantic serial position function. Poster presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, ON, November, 2013.
- DiDonato, R.,** Surprenant, A. M., & Neath, I. (2014). How age-related hearing loss and cognitive abilities interact and influence memory performance. Paper presented at the Hearing Across the Lifespan 2014 conference, Lake Como, Italy, June 5-9, 2014.
- DiDonato, R.,** Surprenant, A. M. (2014). The relationship between hearing loss and memory for prescription instructions in older adults. Paper presented at the 28th International Congress of Applied Psychology, Paris, France, July 12, 2014.
- Kelley, M. R., Neath, I., & Surprenant, A. M. (2015). Serial position functions in general knowledge. Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, November 2015.
- Surprenant, A. M., **Gambin, C.,** & Neath, I. (2016). Simulated hearing loss and memory for spoken words. Paper presented at the 77th Annual Convention of the Canadian Psychological Association, Victoria BC, June 9-11, 2016.
- Ensor, T. M.,** & Surprenant, A. M. (2016). Remembering with Your Fingers: Evidence for Embodied Cognition Using the QWERTY Keyboard. Poster presented at the 26th Annual

Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science Ottawa, ON June 5-7.

- Neath, I., Saint-Aubin, J., & Surprenant, A. M. (2016). Complex span tasks are continual distractor tasks (and vice versa). Paper presented at the 6th International Conference on Memory, Budapest, Hungary, July 2016.
- Ensor, T. M., Willoughby, H. V.,** Surprenant, A. M., & Neath, I. (2016). Orthographic neighborhood size modulates the word-frequency effect in recognition. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston, November 2016.
- Ensor, T. M.,** Bancroft, T. D., Surprenant, A. M., & Hockley, W. E. (2017). Revisiting the list-strength effect in recognition: An output-interference account. Poster presented at the 578th Annual Meeting of the Psychonomic Society, Vancouver, November 2017.
- Ensor, T. M.,** Surprenant, A. M., & Neath, I. (2018). Increasing word distinctiveness eliminates the picture superiority effect in recognition: Evidence for the physical distinctiveness account. Talk presented at the 28th annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, St. John's, NL, Canada, July 2018.
- Willoughby, H. V., Ensor, T. M., Guitard, D.,** & Surprenant, A. M. (2018). The role of distinctiveness in the word-frequency effect in recognition. Evidence from orthographic neighbourhood size. Poster presented at the 28th annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, St. John's, NL, Canada, July 2018.
- Ensor, T. M.,** Neath, I., & Surprenant, A. M. (2018). Using REM.3's superimposition-of-similar-images assumption to model spacing and list-strength effects. Poser presented at the Society for Computers in Psychology meeting, New Orleans, LA, US, November 2018.
- Chubala, C. M.,** Neath, I., & Surprenant, A. M. (2018). Applying the Feature Model to immediate recognition. Poser presented at the Society for Computers in Psychology meeting, New Orleans, LA, US, November 2018.
- Ensor, T. M.,** Hockley, W. E., & Surprenant, A. M. (2018). Context-dependent recognition with pre-experimentally familiar and unfamiliar contexts. Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA, United States, November 2018.
- Ensor, T. M., Guitard, D.,** Bireta, T. J., Hockley, W. M., & Surprenant, A. M. (2019). The list-length effect occurs in cued recall with the retroactive design but not the proactive design. Poster presented at the 29th annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, ON, June, 2019.
- Higdon, K. F.,** Neath, I., Surprenant, A. M., & Ensor, T. M. (2021, June). The picture-superiority effect: Extensions. Poster to be presented at the 30th annual meeting of the Society for Brain, Behaviour, and Cognitive Science. Montreal, QC, Canada (virtual conference).

GRANTS

Federally-funded grants (listed by grant end date):

- 2021 Principal Investigator. “Testing the generality of the specificity principle of memory.” NSERC Discovery grant, CAD \$40,000/year, April 2015 March 2021.
- 2015 Principal Investigator. “Effects of perceptually-based noise and distortion on memory in older adults.” Natural Sciences and Engineering Research Council of Canada Discovery grant, CAD \$25,745/year, April 2007-March 2012 (extended to March 2015).
- 2007 Principal Investigator (co-PI Ian Neath). “The Cognitive Aging and Memory Laboratory (CAMEL)”. Newfoundland and Labrador Industrial Research and Innovation Fund: CAD \$211,640. Canada Foundation for Innovation Leader’s Opportunity Fund: CAD \$139,653.
- 2006 Principal Investigator (co-PI Ian Neath). “Modeling the effects of aging on memory.” NIH/NIA-R01, R01 AG021071 September 1, 2003 - August 31, 2006 (direct cost US \$500,000).
- 2006 Diversity supplement added to NIA grant for Candice Q. McCarty January 1, 2006 – August 31, 2006 (total cost US \$78,668).
- 2002 Principal Investigator. “Memory for words in noise.” National Science Foundation 0074721, July 15, 2000 - January 15, 2002 (US \$75,000).
- 1994 Principal Investigator: NIH Individual Post-doctoral Fellowship (National Research Service Award), 1992-1994. (US \$40,000)

Foundation and industry grants (listed by grant end date):

- 2016 DiDonato, R. (PI) & Surprenant, A. M. (Co-I). “Making older adults see and remember instructions like they were young again: Can visual enhancements of instructions facilitate improved learning and recall to promote functional independence of the older adult?” NLCAHR HARP Project Grant. CAD \$20,000, December 2015-November 2016.
- 2008 Parsons-Suhl (PI), Godwin, M. (Co-PI), Surprenant, A. M. (Co-PI), & Tracey, A. M. (Co-PI). Determining the needs of community dwelling older adults with age-associated memory loss and mild cognitive impairment in Newfoundland. Newfoundland and Labrador Centre for Applied Health Research Grant. June 1, 2007-May 30, 2008. CAD \$25,737.
- 2005 Co-Investigator (Co-PIs from ME, ECE, AUS and Psychological Sciences at Purdue collaborated with Dan Hirleman, ME, Bob Bernhard Herrick, Shari Rodriguez, ME, and Patricia Davies, ME, lead co-PI. Ford Fund gift to Purdue University to fund a “Perception-Based Engineering Laboratory.” January, 2001 to January 2005 (US \$3,500,000).

- 2004 Co-Principal Investigator (Principal Investigator Patricia Davies, ME). “PBE3: Perceptual Attributes of Tonal Sounds and Annoyance, with Application to Automotive Component Noise.” Ford Fund: Perception-Based Engineering project January 2002 - December 2004 (US \$50,000 per year for 2 years).
- 2004 Principal Investigator (co-PI Patricia Davies, ME). “Sound quality and quantification of speech intelligibility for aging drivers.” Ford Fund: Perception-Based Engineering project 4 PBE4, August 2002-July 2004 (US \$50,000 per year for two years).
- 2003 Co-Principal Investigator (Principal Investigator Patricia Davies, ME). “Sound Quality Inside Earth Moving Equipment Cabs.” Caterpillar Inc., June 2002-May 2003. (US \$50,000).
- 2001 Principal Investigator. “Speech perception and memory across the lifespan” Gerontology Program Pilot Grant, June 1, 2000-May 30, 2001 (US \$7,460).
- 2001 Principal Investigator. “Speech perception and memory across the lifespan” Kinley Trust, July 1, 2000-June 30, 2001 (US \$9,192).
- 1998 Co-Principal Investigator (co-PIs Gregory Francis and Ian Neath). “Web-Based Interactive Instruction for Cognitive Psychology” Multimedia Instructional Development Grant, Summer, 1998 (US \$14,484).
- 1997 Co-Principal Investigator (co-PIs L. H. Jamieson, ECE), M. P. Harper, ECE, G. Long, AUS). Purdue University Special Incentive Research Grant, “A Multidisciplinary Approach to Speech Processing Research” (January, 1997) with Support for one graduate student starting August 18, 1997.

Internal grants:

Obtained as Director of Undergraduate Studies and Psi Chi Advisor at Purdue, Honours coordinator and Interim Associate Dean of Science at Memorial University of Newfoundland

- 2015 Surprenant, A. M., Wright, A., Alcock, E., Darmonkow, G., & Prior, S. (2015). Science Literacy Week. Quick Start Fund for Public Engagement, May 8, 2015 (CAD \$1,000).
- 2015 Surprenant, A. M., Wright, A., Alcock, E., Darmonkow, G., & Prior, S. (2015). Science Literacy Week. MUN Public Engagement Accelerator Fund, February 24, 2016 (\$10,000).
- 2014 Surprenant, A. M., & Walling, S. (2014). Science Atlantic Undergraduate Conference. Memorial University Conference Fund, October 31, 2014 (CAD \$2,500).
- 2014 Warren, K., & Surprenant, A. M. (2014). Strategic Partnership between Grenfell and St. John’s campus Psychology Departments. Cross-Campus Initiatives Fund, November 27, 2014 (CAD \$4,500).

- 2012 Lynch, E., & Surprenant, A. M. (Co-PIs). The 2012 Science Atlantic Psychology Conference. Student Innovation fund, Memorial University of Newfoundland. April 9, 2012 (CAD \$1,200).
- 2011 Morrison, G. & Surprenant, A. M. (Co-PIs). The 2011 APICS Psychology Conference. Student Innovation fund, Memorial University of Newfoundland. February 28, 2011 (CAD \$2,000).
- 2010 Hickey, M., MacLeod, K., Pridham, A. & Surprenant, A. M. (Co-PIs). The 2010 APICS Psychology Conference. Student Innovation fund, Memorial University of Newfoundland. April 30, 2010 (CAD \$2,000).
- 2006 Groth, A., Surprenant, A. M., & Virtue, R. (Co-PIs). "Second annual Easter egg hunt for community children." Student Grant Program for Community Service/Service Learning Projects, Purdue University Office of Engagement. March 31, 2006 (US \$1,500).
- 2006 Groth, A., Surprenant, A. M., & McEwan, J. (Co-PIs). "Materials for the Families of Children Under Supervision (FOCUS) program." Student Grant Program for Community Service/Service Learning Projects, Purdue University Office of Engagement. April 12, 2006 (US \$1,500).
- 2005 Groth, A., Habashi, M., Surprenant, A. M., & Lober, R. (Co-PIs). "Easter egg hunt for community children." Student Grant Program for Community Service/Service Learning Projects, Purdue University Office of Engagement. March 31, 2005 (US \$1,477).
- 2003 Surprenant, A. M., Goodwin, S. A., & Brown, H. (Co-PIs). "Internship/volunteer booth for psychology." Student Grant Program for Community Service/Service Learning Projects, Purdue University Office of Engagement. August 25, 2003 (US \$1,497).
- 2003 Whallon, T., Surprenant, A. M., & Thomas, R. (Co-PIs) "Bicycling in new directions." Student Grant Program for Community Service/Service Learning Projects, Purdue University Office of Engagement. December 15, 2003 (US \$464.87).

STUDENT SUPERVISION AND MENTORING

Post-Doctoral Fellows

- Dr. Annie Jalbert (2011-2012). Newfoundland and Labrador Centre for Applied Health Research Post-doctoral fellowship, "Aging and Bilingual Memory."
- Dr. Christine Chubala (2017-2019).

Dissertations and theses directed

PhD theses:

- Adam Stevenson (2000). "The irrelevant speech effect: An acoustic interpretation".
- Lisa A. Farley VanWormer (2006). "The effect of perceptual cues on aging and the inhibitory deficit hypothesis" (co-supervisor).
- Tamra Bireta (2006). "Age-related differences in the von Restorff isolation effect" (co-supervisor).

- Roberta DiDonato (2014). “Effortful and effortless listening: How age-related hearing loss and cognitive abilities interact and affect memory performance in older adults.”
- Tyler Ensor (2019) (co-supervisor). "Version 3 of the Retrieving Effectively from Memory Model: Extensions and Limitations." Dissertation awarded “with distinction”
- Victoria Kavanaugh (co-supervisor) (in progress).

MSc theses:

- Adam Stevenson (1998). “Frequency masking and the irrelevant sound effect.”
- Meghan Saweikis (2004). “Speech intelligibility for young and elderly listeners.”
- Brittany Faux (2010). “The relationship between vision and memory in older adults.”
- James March (2011). “Musical relatedness and lexical priming of emotion.”
- Sarah Oates (2014). “Metamemory for words in noise.”
- Mario Doyle (2016) (co-supervisor) “Metacognitive Monitoring during Category Learning: How Success affects Future Behaviour”
- Anna MacDermid (2020) (co-supervisor). Thesis submitted. “Mixed findings of the irrelevant sound effect in surprise recognition memory tasks”

Honours projects supervised

- Kathleen R. Little (March 2007). “Perceptual and memory spaces in older and younger adults.” *Winner of a CPA Programme of Certificate of Academic Excellence.
- James Marsh (March 2008). “Prosodic cues affecting memory in music as a function of expertise.”
- Danielle Windsor (March 2008). “The effect of neighbourhood size and bigram frequency on the word length effect in nonwords.”
- Joshua Handrigan (March 2009). “Associations and temporal distinctiveness in memory”
- Jacinta Reddigan (March 2009). “Object, location or time? The properties that play a privileged role in the binding of memories.” *Winner of a CPA Programme of Certificate of Academic Excellence.
- Jacqueline Dodd (August 2009). “Auditory training for older adults.”
- Karly MacLeod (March 2010). “Aging and memory: The effect of cue type on implicit memory recall.”
- Marlina Hickey (March 2010). “Will you hear opportunity knocking? Examining auditory perceptual training in older adults.”
- Thomas Ozon (August 2010). “Are working memory span tasks simply continual distractor tasks that can be explained by temporal distinctiveness?”
- Meghan Collett (March 2011). “Irrelevant speech effects and statistical learning of tone sequences.”
- Martina Greene (March 2011). “Young adults' recall of sentence-final words in noise.” *Winner of a CPA Programme of Certificate of Academic Excellence.

- Shima Ghahnovieh (August 2013). “Does retroactive interference facilitate or impair short-term memory recall?”
- Nicole Penney (March 2014). Testing the neighborhood explanation of the word length effect.
- Chelsea Gambin (March 2014). Hearing and memory: A close connection. *Winner of a CPA Programme of Certificate of Academic Excellence.
- Kaitlyn Mahon (March 2015). Exploring how neighborhood size affects the recall of words from working memory
- Kristen Milley (Recognition Memory For Words In Picture Contexts, March 2016).
- Alysha Renouf (The Impact of Irrelevant Tapping and Word Length on Serial Recall, March 2016).
- Victoria Kavanagh (Directed Forgetting in Recognition, March 2017)
- Hannah Willoughby (A helping hand: Improved memory for items viewed near the hands, March 2018)
- Lauren Peters (Associative memory and effort, March 2018)
- Liam Foley (co-supervised; Individual Differences in Auditory Working Memory: An Exploration of Differences Between Musicians and Non-Musicians, March 2019)
- Courtney Lucas (The Effect of Word Frequency and Orthographic Neighbourhood Size on Recognition Memory, March 2020)
- Sydney Snow (Gender, the Self, and Memory, March 2020)
- Kathleen Prior (Revisiting the Survival Processing Effect: Thinking of Words as Tools to Solve Problems, March 2020)
- Natasha Hanlon-Squires (in progress)
- Nicholas Smith (in progress)

Summer Undergraduate Student Research Award supervisor (NSERC and SURA)

- Catherine Snow (2007), Megan Duffett (2008), Kellie Lynch (2010), Chelsea Gambin (2014), Avineet Cheema (2014), Sarah Devereaux (2015), Samantha Scurrey (2015), Lauren Winsor (2016), Lauren Peters (2017, 2018)

Master’s internships

- Katherine Guérard (Laval University; 2006), Annie Jalbert (Université de Moncton; 2008), Olivia Beaudry (Université de Moncton, 2013), Dominic Guitard (Université de Moncton, 2017)

COURSES TAUGHT (# TIMES)

- PSYC 2520 Mind and Brain (4)
- PSYC 3450 Human Cognition (20)
- PSYC 4400 Selected Topics in Cognition: Human Memory (3)
- PSYC 4401 Selected Topics in Cognition: Principles of Memory (4)
- PSYC 4462 Human Memory (1)

- PSYC 499A/B Honours Seminar in Psychology (15)
- PSYC 6109 Selected topics in Experimental Psychology: Theories of Human Memory (3)
- PSYC 6113 Special topics in Cognition: Speech Perception (1)
- PSYC 6720 Human Memory (8)

**KEY COMMITTEE MEMBERSHIPS AND SERVICE ACTIVITIES AS ASSOCIATE VICE PRESIDENT
(ACADEMIC) AND DEAN, GRADUATE STUDIES**

- Academic Council, School of Graduate Studies (Chair)
- Ad-hoc Committee on EDI (Chair)
- Dean's Council
- Extraordinary Salary Increase Committee (2018)
- Four-Year Budget Framework Committee, Vice-President's Council Sub-Committee (2019)
- Labrador Institute at 40 Strategic Task Force member (2018-2019)
- Member of the bargaining team for Administration with the Memorial University of Newfoundland Faculty Association (2018)
- Member of the bargaining team for Administration with the Memorial University of Newfoundland Post-Doctoral Fellow Association (2018)
- Institutional Planning Committee (2017-present)
- Research Council (ex-officio)
- Research IT Committee (2018-present)
- Research Data Management Working Group (2018-present)
- Search Committee for Associate Vice-President Academic (Students) (2018)
- Senior Administrator's Group (ex-officio)
- Senate Committee on Research (ex-officio)
- Senate Executive (ex-officio)
- Senate (ex-officio)
- Associate Vice President's Council (ex-officio)
- Women in Leadership Working Group (2017-present)

PROFESSIONAL SERVICE

- Review panelist NSF Human and Social Dynamics (HSD) competition (2005).
- NIH Grant review panel, Member Conflicts in Motor Function, Language, and Cognition (2007).
- Peer reviewer Natural Sciences and Engineering Research Council of Canada Discovery Grant Applications (2009, 2010, 2011, 2015)
- National Sciences and Engineering Research Council review panel member, 2011-2014.
- Peer reviewer Israel Science Foundation (2012).
- Peer reviewer British Academy and Leverhulme Grant Programme (April 2013)
- External reviewer promotion to Full Professor, University of Manitoba 2012.

- Consulting Editor, *Memory & Cognition* (2005-2019).
- Consulting Editor, *Journal of Experimental Psychology: Learning, Memory, and Cognition* (2006-present).
- Consulting Editor, *Canadian Journal of Experimental Psychology* (2008-present); Guest Editor, Special Issue on Memory (2015)
- Co-organizer Canadian Society for Brain, Behaviour, and Cognitive Science 19th Annual Meeting (joint with the Experimental Psychology Society), York, UK, July 8-10, 2009.
- Canadian Psychological Association Board of Directors: Seat reserved for an experimental psychologist conducting basic research (June 2009-May 2014):
 - Chair Membership committee (June 2009-June 2010).
 - Chair Committee on Sections (June 2010-June 2011)
 - *Ex-officio* member Convention Committee
 - Chair Scientific Affairs Committee—Head of Science Directorate (June 2011-May 2014), member 2014-2020
 - Steering Committee member, CPA’s “Need, Supply and Demand Summit for the discipline and profession of psychology” November 8-9, Ottawa, ON.
 - Board liaison to the Canadian National Committee of the National Research Council of Canada for the International Union of Psychological Science (June 2010-2012)
 - Board liaison to the International Relations Committee (June 2010-2012)
- Science Atlantic (formerly Atlantic Provinces Council on the Sciences (APiCS))
 - Memorial University Representative for Psychology (September 2009-2012; 2014). Conference co-organizer 2015.
 - Member of the Working Group on Research (May 2011-2015; chair 2015-2016)
- CPA committees
 - Fellows and Awards Committee (2015-2016)
 - Scientific Affairs Committee (2014-present)
 - Publications Committee (2015-present)
 - Chair, Brain and Cognitive Science Section (2016-2018); past-chair (2019)
- Lead-organizer Canadian Society for Brain, Behaviour, and Cognitive Science 28th Annual Meeting (joint with the Experimental Psychology Society), St. John's, NL, July 4-7, 2018.
- Canadian Association for Graduate Schools, Board of directors, member representing Atlantic Canada (2017-2021).
- Northeastern Association of Graduate Schools, Board of directors (2017-present).
- CRC Application/Renewal invited reviewer: University of Waterloo (2018).
- Council of Graduate Schools (CGS) CGS/ProQuest Distinguished Dissertation Award in the Social Sciences awards committee (2018, 2020)

UNIVERSITY AND SCHOOL SERVICE

- Purdue Liberal Arts Senator (1997-2000)
- Purdue Gerontology Program, Member of the Steering Committee (Fall 2001-Spring 2004)
- Purdue University Independent class visit program (Fall 1997-summer 2004; 2005)
- Purdue Marc-Aim program (Summer 2005)
- Purdue Gerontology Program Educational Policy Committee (Fall 2005-Spring 2006)
- MUN University Selection Committee – 2006/2007 NSERC Postgraduate Scholarships
- MUN Psychology Department representative, Orientation Information Session, September 4, 2007.
- MUN Poster Judge, Faculty of Science 2nd Annual Summer Student Symposium, Memorial University of Newfoundland, July 2008.
- MUN Teaching supervisor in the Graduate Program in Teaching, Fall 2008.
- MUN Review Committee for the Associate Dean of Science (Research) – Winter/Spring 2009.
- MUN Selection Committee for President’s Award for Outstanding Research 2010.
- MUN Search Committee for Associate Dean of Science (Research & Graduate) 2012 (Committee Chair).

DEPARTMENTAL SERVICE

- Purdue Human Subject Committee (AY 1994-1995, Summers 1995, 1997, AY 1997-1998, 1999-2000; Summer 2002)
- Purdue Colloquium Committee (1995-1996, 1998-1999)
- Purdue Undergraduate Committee (AY 1997-1998; chair AY 2002-2004)
- Purdue Advisory Committee (AY 1998-1999)
- Purdue Graduate Committee (AY 1999-2002)
- Purdue *Psi Chi* Faculty advisor (2000-2005)
- Purdue Director of Undergraduate Studies (Fall 2002-Spring 2004)
- Purdue Task force for grant enhancement (Fall 2005)
- MUN Psychology Undergraduate Committee (AY 2006-2008)
- MUN Psychology Search Committee (AY 2007-2008; 2010-2011; 2015-2016)
- MUN Psychology Internal examiner on 5 Master’s theses
- MUN Psychology Department Colloquium Committee (AY 2007-2008; 2008-2009; 2009-2010; 2010-2011; 2013-2014; 2015-2016), Committee Chair
- MUN Psychology Promotions and Tenure Committee (AY 2008-2009; 2009-2010; Chair, 2010-2011; Chair, 2015-2016)
- MUN Psychology Awards committee (AY 2009-2010; 2010-2011; 2013-2014; Chair, 2011-2012; 2015-2016)
- MUN Psychology Department Subject Pool co-Administrator (2015-2016)

- MUN Psychology Research Day organizer, March 30, 2012.
- Represented MUN Psychology at Science Atlantic conference on Psychology
 - St. Francis Xavier University, April 2010. Accompanied 10 undergraduate honours students to the conference.
 - Dalhousie University, May 2011. Accompanied 18 undergraduate honours students to the conference.
 - Acadia University, May 2012. Accompanied 16 undergraduate honours students to the conference.
 - St. Thomas University, May 2014. Accompanied 5 undergraduate honours students to the conference.
 - MUN, May 2015. Hosted and co-organized the conference.
 - Université de Moncton, May 2016. Accompanied 15 undergraduate honours student to the conference

COMMUNITY SERVICE AND ENGAGEMENT

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| 2017 | Nalcor Energy Safety and Health Week presentation on Distracted Driving, Lower Churchill Project, May 10 and Hydro Place, May 11. |
| 2016 | Science Literacy Week, Co-organizer. The second annual Newfoundland Science Literacy Week was held in St. John's September 18- 25, 2016. MUN Faculty of Science, the Johnson GEO Centre, St. John's Public Libraries, MUN Botanical Garden, Petty Harbour Mini Aquarium, and Let's Talk Science, and MUN QEII Libraries collaborated to host and organize 28 separate events during the week. Almost 900 individuals were reached by this public engagement endeavor. |
| 2015 | Science Literacy Week, Co-organizer. MUN Faculty of Science, the Johnson GEO Centre, St. John's Public Libraries, Let's Talk Science, and MUN QEII Libraries collaborated to host and organize 24 separate events during the week. Over 700 individuals were reached by this public engagement endeavor. |
| 2014 | Career Panel Participant at Discovery Day in Health Sciences at Memorial University sponsored by The Canadian Medical Hall of Fame. The aim of this outreach initiative is to educate, inspire and encourage young people who are in the process of discerning their academic and professional goals. |
| 2013 | Psychologists in the Academic Setting. Presentation at the Canadian Psychological Association Summit on Need Supply and Demand for the discipline and profession of psychology in Canada. |
| 2010 | "Memory and hearing loss." Presentation given to the Canadian Hard of Hearing Association, Newfoundland and Labrador, as part of their May is Better Hearing and Speech Month speaker series. |
| 2009 | Appearance on CBC Radio's Radio Noon to discuss memory. |

- 2009 “Sensory and perceptual contributions to memory in older adults”. Presentation given to NLCAHR’s Research Affinity Group on Aging.
- 2007- 2013 Annual Workshop on Cognitive Psychology for the students attending the Summer Shad Valley Program an enrichment program for high school students that focuses on science, engineering and entrepreneurship.
- 2006 “Remembering can be habit forming” at University Place in West Lafayette as a part of their Intentional Wellness program
- 2005 “Memory and general cognitive changes with aging” at the Purdue University Retirees Association Living to 100 -- Actively! conference at the University Inn, West Lafayette.
- 2003 “Memory and cognitive changes as a function of age,” to the Winchester Rotary Club. The meeting was held at Ike's Corner Cafe in Winchester, Indiana.

PROFESSIONAL MEMBERSHIPS

Canadian Society for Brain, Behaviour, and Cognitive Science (Fellow)

Canadian Psychological Association (Fellow)

Psychonomic Society (Fellow)