

**CURRICULUM VITAE**  
**Arend W. A. Van Gemmert, Ph. D.**

Office address: School of Kinesiology  
College of Human Sciences and Education  
Louisiana State University  
112 HP Long Fieldhouse Drive (Room 72)  
Baton Rouge, LA70803  
U. S. A.

LCAC Office address: LSU Life Course and Aging Center (LCAC)  
College of Human Sciences and Education  
Louisiana State University  
C-100 Kirby Smith Hall (Room 121)  
Baton Rouge, LA70803  
U. S. A.

E-Mail: gemmert@lsu.edu  
Office: (225) 578-9142  
LCAC Office: (225) 578-6117  
Fax: (225) 578-3680

**EDUCATION**

1997 Ph.D. Experimental Psychology, University of Nijmegen, The Netherlands  
1992 M.A. Experimental Psychology, University of Nijmegen, The Netherlands  
1988 B.A. Psychology, University of Nijmegen, The Netherlands

**PROFESSIONAL EXPERIENCE**

2017- Executive Director, LSU Life Course and Aging Center, Louisiana State University,  
Baton Rouge, LA, USA  
2016- Adjunct Associate Professor, Pennington Biomedical Research Center, Baton  
Rouge, LA, USA  
2015- Graduate Coordinator, Graduate Certificate Program for Life Span Studies (CLSS),  
Louisiana State University, Baton Rouge, LA, USA  
2014- Associate Professor, School of Kinesiology, Louisiana State University, Baton  
Rouge, LA, USA  
2008- Director, Fine Motor Control and Learning Laboratory, School of Kinesiology,  
Louisiana State University, Baton Rouge, LA, USA

- 2008-2017 Faculty, LSU Life Course and Aging Center, Louisiana State University, Baton Rouge, LA, USA
- 2008-2014 Assistant Professor, School of Kinesiology (formerly Department of Kinesiology), Louisiana State University, Baton Rouge, LA, USA
- 2008-2013 Member (Graduate External Committee) of the Interdisciplinary Neuroscience PhD Program, Arizona State University, Tempe, AZ, USA.
- 2008-2010 Adjunct Faculty, Department of Kinesiology, Arizona State University, Tempe, AZ, USA
- 2008 Consultant (Fine motor control experiments), Neuroscript, Tempe, AZ, USA.
- 2005-2008 Associate Professor Research, Department of Kinesiology, Arizona State University, Tempe, AZ, USA.
- 1999-2008 Special Project Associate (Visiting Scientist), Department of Neurology, Mayo Clinic, Scottsdale, AZ, USA.
- 2004-2005 Consultant (Survey coordinator), Triad Consulting, Henderson, NV, USA.
- 2003-2004 Consultant (Fine motor control experiments), NeuroScript, Tempe, AZ, USA.
- 2002-2005 Faculty Research Associate, Department of Kinesiology (formerly Department of Exercise Science and Physical Education), Arizona State University, Tempe, AZ, USA.
- 1999-2002 Faculty Research Associate, Department of Exercise Science and Physical Education, Arizona State University, Tempe, AZ, USA.
- 1999 Consultant (Perceptual motor skills) NASA Johnson Space Center, Houston, TX, USA.
- 1997-1999 Postdoctoral Research Associate, Motor Control laboratory, Arizona State University, Tempe, AZ, USA.
- 1996 Junior Researcher, Nijmegen Institute for Cognition and Information, and The Netherlands Forensic Science Laboratory, The Netherlands.
- 1996 Lecturer Assistant (Statistics I), University of Nijmegen, The Netherlands.
- 1995 Lecturer Assistant, (Laboratory instructor: Introduction to Experimental Psychology), Department of Psychology, University of Nijmegen, The Netherlands.
- 1993-1995 Lecturer (Motor Control and Statistics I), Department of Psychology, University of Nijmegen, The Netherlands.
- 1990-1991 Teaching Assistant (Statistics II), Department of Psychology, University of Nijmegen, The Netherlands.
- 1989 Research Assistant, Department of Psychology, University of Nijmegen, The Netherlands.

## PUBLICATIONS

### ARTICLES (in peer reviewed Journals or Bulletins)

1. Aiken, C. A., Pan, Z., & **Van Gemmert, A. W. A.** (2017). The effects of a two-step transfer on a visuomotor adaptation task. *Experimental Brain Research*, 235, 3459-3467.
2. Yu, N. Y., **Van Gemmert, A. W. A.**, & Chang, S. H. (2017). Characterization of graphomotor functions in individuals with Parkinson's disease and essential tremor. *Behavior Research Methods*, 49, 913-922.
  - a. Yu, N. Y., **Van Gemmert, A. W. A.**, & Chang, S. H. (2017). Characterization of graphomotor functions in individuals with Parkinson's disease and essential tremor. *Behavior Research Methods*, 49, 1966. [Corresponding and affiliation author correction].
3. Pan, Z., & **Van Gemmert, A. W. A.** (2016). Peripheral neuropathy reduces asymmetries in inter-limb transfer in a visuo-motor task. *Laterality: Asymmetries of Body, Brain, and Cognition*, 21, 255-266.
4. **Van Gemmert, A. W. A.**, & Contreras-Vidal, J. L. (2015). Graphonomics and its contribution to the field of motor behavior: A position statement. *Human Movement Science*, 43, 165-168.
5. Aiken, C. A., Pan, Z., & **Van Gemmert, A. W. A.** (2015). Limb-dominance and its effects on the benefits of intralimb transfer of learning: A visuomotor aiming task. *Journal of Motor Behavior*, 47, 509-521.
6. Rand, M. K., **Van Gemmert, A. W. A.**, Hossain, A. B. M. I., & Stelmach, G. E. (2014). Coordination deficits during trunk-assisted reach-to-grasp movements in Parkinson's disease. *Experimental Brain Research*, 232, 61-74.
7. Pan, Z., & **Van Gemmert, A. W. A.** (2013). The direction of bilateral transfer depends on the performance parameter. *Human Movement Science*, 32, 1070-1081.
8. Pan, Z., & **Van Gemmert, A. W. A.** (2013). The effects of aging on the asymmetry of inter-limb transfer in a visuomotor task. *Experimental Brain Research*, 229, 621-633.
9. Poston, B., **Van Gemmert, A. W. A.**, Sharma, S., Chakrabarti, S., Zavaremi, S. H., & Stelmach, G. E. (2013). Movement trajectory smoothness is not associated with the endpoint accuracy of rapid multi-joint arm movements in young and older adults. *Acta Psychologica*, 143, 157-167.
10. **Van Gemmert, A. W. A.** (2012). Timing of tone presentation does alter training performance but not retention performance of a point-to-point sequence task. *Advances in Physical Education*, 2, 82-87.
11. Rand, M. K., **Van Gemmert, A. W. A.**, Hossain, A. B. M. I., Shimansky, Y. P., & Stelmach, G. E. (2012). Control of aperture closure initiation during trunk-assisted reach-to-grasp movements. *Experimental Brain Research*, 219, 293-304.
12. Hughes, B., **Van Gemmert, A. W. A.**, & Stelmach G. E. (2011). Linguistic and perceptual-motor contributions to the kinematic properties of the braille reading finger. *Human Movement Science*, 30, 711-730.

13. Ringenbach, S. D. R., **Van Gemmert, A. W. A.**, Shill, H. A., & Stelmach, G. E. (2011). Auditory instructional cues benefit unimanual and bimanual drawing in Parkinson's disease patients. *Human Movement Science*, *30*, 770-782.
14. Vinter, A., **Van Gemmert, A. W. A.**, & Phillips, J. G. (2011). Progress in graphonomics: A perceptual motor skill perspective. *Human Movement Sciences*, *30*, 683-686.
15. Broderick, M. P., **Van Gemmert, A. W. A.**, Shill, H. A., & Stelmach, G. E. (2009). Hypometria and bradykinesia during drawing movements in individuals with Parkinson's disease. *Experimental Brain Research*, *197*, 223-233.
16. Dounskaia, N., **Van Gemmert, A. W. A.**, Leis, B. C., & Stelmach, G. E. (2009). Biased Wrist and finger coordination in Parkinsonian patients during performance of graphical Tasks. *Neuropsychologia*, *47*, 2504-2514.
17. Poston, B., **Van Gemmert, A. W. A.**, Barduson, B., & Stelmach, G. E. (2009). Movement structure in young and elderly adults during goal-directed movements of the left and right arm. *Brain and Cognition*, *69*, 30-38.
18. Ringenbach, S. D. R., Mulvey, G. M., **Van Gemmert, A. W. A.**, Stankus, A., & Maraj, B. K. V. (2009). Sensory feedback is beneficial for performance of continuous bimanual tasks for adults with Down syndrome. *Down Syndrome Quarterly*, *11*(2), 3-9.
19. Phillips J. G., & **Van Gemmert, A. W. A.** (2009). Disruptions of Handwriting. *Human Movement Sciences*, *28*, 553-555.
20. **Van Gemmert, A. W. A.**, & Teulings, H. L. (2006). Advances in graphonomics: Studies on fine motor control, its development and disorders. *Human Movement Science*, *25*, 447-453.
21. Leis, B. C., Rand, M. K., **Van Gemmert, A. W. A.**, Longstaff, M., Lou, J. S., & Stelmach, G. E. (2005). Movement precues in planning and execution of aiming movements in Parkinson's disease. *Experimental Neurology*, *194*, 393-409.
22. Paine, R. W., Grossberg, S., & **Van Gemmert, A. W. A.** (2004). A quantitative evaluation of the AVITEWRITE model of handwriting learning. *Human Movement Science*, *23*, 837-860.
23. Teulings, H. L., & **Van Gemmert, A. W. A.** (2004). Connecting graphonomic research and pattern recognition. *International Journal of Pattern Recognition and Artificial Intelligence*, *18*, 1131-1137.
24. **Van Gemmert, A. W. A.**, & Teulings, H. L. (2004). Connecting sciences using graphonomic research. *Motor Control*, *8*, 367-370.
25. Bohan, M., Longstaff, M. G., **Van Gemmert, A. W. A.**, Rand, M. K., & Stelmach, G. E. (2003). Differential effects of target height and width on 2D aiming movement duration and kinematics. *Motor Control*, *7*, 278-289.
26. Longstaff M. G., Mahant, P. R., Stacy, M. A., **Van Gemmert, A. W. A.**, Leis, B. C., & Stelmach, G. E. (2003). Discrete and dynamic scaling of the size of continuous graphic movements of parkinsonian patients and elderly controls. *Journal of Neurology, Neurosurgery, and Psychiatry*, *74*, 299-304.
27. Meulenbroek, R. G. J., & **Van Gemmert, A. W. A.** (2003). Advances in the study of drawing and handwriting. *Human Movement Science*, *22*, 131-135.

28. Romero, D. H., **Van Gemmert, A. W. A.**, Adler, C. H., Bekkering, H., & Stelmach, G. E. (2003). Time delays prior to movement alter the drawing kinematics of elderly adults. *Human Movement Science, 22*, 207-220.
29. Romero, D. H., **Van Gemmert, A. W. A.**, Adler, C. H., Bekkering, H. & Stelmach, G. E. (2003). Altered aiming movements in Parkinson's disease patients and elderly adults as a function of delays in movement onset. *Experimental Brain Research, 151*, 249-261.
30. **Van Gemmert, A. W. A.**, Adler, C. H., & Stelmach, G. E. (2003). Parkinson's disease patients undershoot target size in handwriting and similar tasks. *Journal of Neurology, Neurosurgery, and Psychiatry, 74*, 1502-1508.
31. Guadagnoli, M. A., Leis, B., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2002). The relationship between knowledge of results and motor learning in Parkinsonian patients. *Parkinsonism and Related Disorders, 9*, 89-95.
32. Ketcham, C. J., Seidler, R. D., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2002). Age-related kinematic differences as influenced by task difficulty, target-size, and movement amplitude. *Journal of Gerontology: Psychological Sciences and Social Sciences, 57B*, P54-P64.
33. Rand, M. K., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2002). Segment difficulty in two-stroke movements in patients with Parkinson's disease. *Experimental Brain Research, 143*, 383-393.
34. Robertson, S. D., **Van Gemmert, A. W. A.**, & Maraj, B. K. V. (2002). Auditory information is beneficial for adults with Down syndrome in a continuous bimanual task. *Acta Psychologica, 110*, 213-229.
35. Van Galen, G. P., Müller, M. L. T. M., Meulenbroek, R. G. J., & **Van Gemmert, A. W. A.** (2002). Forearm EMG response activity during motor performance in individuals prone to increased stress activity. *American Journal of Industrial Medicine, 41*, 406-419.
36. **Van Gemmert, A. W. A.**, Teulings, H. L., & Stelmach, G. E. (2001). Parkinsonian patients reduce their stroke size with increased processing demands. *Brain and Cognition, 47*, 504-512.
37. Dounskaia, N., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2000). Interjoint coordination during handwriting-like movements. *Experimental Brain Research, 135*, 127-140.
38. Van Den Heuvel, C. E., & **Van Gemmert, A. W. A.** (2000). Nonspecific motor preparation and the motor action limit. *Current Psychology Letters: Behaviour, Brain and Cognition, 2*, 92-111.
39. **Van Gemmert, A. W. A.** (1999). The study of kinematics of graphic tasks: A forensic perspective. *Bulletin of the International Graphonomics Society, 13(2)*, 35-38.
40. **Van Gemmert, A. W. A.**, Teulings, H. L., Contreras-Vidal, J. L., & Stelmach, G. E. (1999). Parkinson's disease and the control of size and speed in handwriting. *Neuropsychologia, 37*, 685-694.
41. Van Den Heuvel, C. E., Van Galen, G. P. Teulings, H. L., & **Van Gemmert, A. W. A.** (1998). Axial pen force increases with processing demands in handwriting. *Acta Psychologica, 100*, 145-159.

42. **Van Gemmert, A. W. A.**, Teulings, H. L., & Stelmach, G. E. (1998). The influence of mental and motor load on handwriting movements in Parkinsonian patients. *Acta Psychologica, 100*, 161-175.
43. **Van Gemmert, A. W. A.**, & Van Galen, G. P. (1998). Auditory stress effects on preparation and execution of graphical aiming: A test of the neuromotor noise concept. *Acta Psychologica, 98*, 81-101.
44. **Van Gemmert, A. W. A.**, & Van Galen, G. P. (1997). Stress, neuromotor noise, and human performance: A theoretical perspective. *Journal of Experimental Psychology: Human Perception and Performance, 23*, 1299-1313.
45. Van Galen, G. P., & **Van Gemmert, A. W. A.** (1996). Kinematic and dynamic features of forging another person's handwriting. *Journal of Forensic Document Examination, 9*, 1-25.

#### **CHAPTERS IN EDITED BOOKS**

1. **Van Gemmert, A. W. A.**, & Van Galen, G. P. (1996). Dynamic features of mimicking another person's writing and signature. In M. L. Simner, C. G. Leedham, and A. J. W. M. Thomassen (Eds.), *Handwriting and drawing research: Basic and applied issues* (pp. 459-471). Amsterdam: IOS Press.
2. **Van Gemmert, A. W. A.**, & Van Galen, G. P. (1994). Effects of a secondary, auditory task on graphic aiming movements. In C. Faure, P. Keuss, G. Lorette, and A. Vinter (Eds.), *Advances in Handwriting and Drawing: A Multidisciplinary Approach* (pp 421-439). Paris: Europa.

#### **EDITORIALS (Not peer reviewed)**

1. Teulings, H. L., **Van Gemmert, A. W. A.**, & Girouard, P. L. (2004). Special issue: Selected papers of the 11<sup>th</sup> International Graphonomics Society meeting. *Journal of Forensic Document Examination, 16*, v-vii.

#### **PROCEEDINGS EDITOR**

1. Teulings, H. L., & **Van Gemmert, A. W. A.** (2003), *Proceedings of the 11<sup>th</sup> conference of the International Graphonomics Society*. Nijmegen: IGS.

#### **ABSTRACTS (National and International Meetings)**

1. Kirby, K. M., Carmichael, O. T., & **Van Gemmert, A. W. A.** (2017). Changes in brain activation patterns as result of bilateral transfer of learning of a visuo-motor task. Society for Neuroscience Abstracts (Program No. 691.23), Online.

2. **Van Gemmert, A. W. A.**, Montgomery, S. C., Abdalla, J. M., & Aiken, C. A. (2017). An exploratory study into on-line feedback and movement plane orientation. In C. DeStefano and Angelo Marcelli (Eds.), *Proceedings of the 18<sup>th</sup> Conference of the International Graphonomics Society* (pp. 128-130). Reno, Nevada: IGS.
3. Talwar, S., Pan, Z., Plamondon, R., & **Van Gemmert, A. W. A.** (2017). Characteristics of bidirectional unimanual and bimanual drawing movements. In C. DeStefano and Angelo Marcelli (Eds.), *Proceedings of the 18<sup>th</sup> Conference of the International Graphonomics Society* (pp. 123-127). Reno, Nevada: IGS.
4. Abdalla, J. M., Montgomery, S. C., Aiken, C. A., & **Van Gemmert, A. W. A.** (2016). The effect of using stylus in different planes and feedback configurations. *Society for Neuroscience Abstracts* (Program No. 623.14), Online.
5. Aiken, C. A., & **Van Gemmert, A. W. A.** (2016). The effects of two stress types on motor learning and practice specificity. *Journal of Sport & Exercise Psychology*, 38(Suppl.), S39-S40.
6. Aiken, C. A., Becker, K. A., Lee, A, Post, P. G., & **Van Gemmert, A. W. A.** (2016). Performance on a choice-reaction time task is not affected by physical stress in the form of ambient temperature. *Journal of Sport & Exercise Psychology*, 38(Suppl.), S40.
7. Becker, K. A., Aiken, C. A., Xochilt, R., & **Van Gemmert, A. W. A.** (2016). High ambient temperature levels do not influence motor learning. *Journal of Sport & Exercise Psychology*, 38(Suppl.), S44-S45.
8. Pan, Z., & **Van Gemmert, A. W. A.** (2016). Effects of Parkinson's disease on spatial control in bimanual coordination. *Journal of Sport & Exercise Psychology*, 38(Suppl.), S94.
9. Aiken, C. A., Moss, T. A., & **Van Gemmert, A. W. A.** (2015). Increases in cognitive effort diminishes the contextual interference effect. *Society for Neuroscience Abstracts* (Program No. 816.06), Online.
10. Aiken, C. A., & **Van Gemmert, A. W. A.** (2015). Stress-related increases in effort does not facilitate motor learning. *Journal of Sport & Exercise Psychology*, 37(Suppl.), S26.
11. Aiken, C. A., Odom, S. B., & **Van Gemmert, A. W. A.** (2015). Stress and motor learning: Does the presentation of physical or cognitive stress influence motor skill acquisition? In C. Rémi, L. Prévost, and E. Anquetil (Eds.), *Proceedings of the 17<sup>th</sup> Conference of the International Graphonomics Society* (pp. 119-122). Reno, Nevada: IGS.
12. Hickey, K. M., Pan, Z., Simon, B. A., Thibodeaux, K. S., & **Van Gemmert, A. W. A.** (2014). The effects of age on spatial interference in a bimanual coordination task. *Society for Neuroscience Abstracts* (Program No. 170.12), Online.
13. Aiken, C. A., Pan, Z., & **Van Gemmert, A. W. A.** (2014). The limit of effector independence: Transfer of a motor skill does not occur when a two-step transformation is required. *Journal of Sport & Exercise Psychology*, 36(Suppl.), S17.
14. **Van Gemmert, A. W. A.**, Wang, W., & Dounskaia, N (2013). The role of gravity in joint control during 3D arm movements. *Society for Neuroscience Abstracts* (Program No. 172.16), Online.

15. **Van Gemmert, A. W. A.**, Plamondon, R., & O'Reilly, C. (2013). Using the Sigma-lognormal model to investigate handwriting of individuals with Parkinson's disease. In M. Nakagawa, M. Liwicki, and B. Zhu (Eds.), *Proceedings of the 16<sup>th</sup> Conference of the International Graphonomics Society* (pp. 119-122). Nijmegen: IGS.
16. Aiken, C. A., Pan, Z., & **Van Gemmert, A. W. A.** (2013). Transfer occurs within the same limb when a learned skill requires the use of different muscles to perform the task. *Journal of Sport & Exercise Psychology*, 35(Suppl.), S16.
17. Aiken, C. A., Pan, Z., & **Van Gemmert, A. W. A.** (2012). Control of a visuo-motor aiming task transfers within the dominant upper limb. *Society for Neuroscience Abstracts* (Program No. 679.14), Online.
18. Pan, Z., & **Van Gemmert, A. W. A.** (2012). Parkinson's disease patients may attend to benefits related to smoothness and efficiency in bilateral transfer of learning. *Society for Neuroscience Abstracts* (Program No. 755.12), Online.
19. **Van Gemmert, A. W. A.**, Li, L., Prejean, P., Pan, Z., & Hondzinski, J. M. (2012). Long-term tai chi participation benefits fine motor skill function of Parkinson's disease patients. *Journal of Sport & Exercise Psychology*, 34(Suppl.), S142.
20. Rose, K. M., **Van Gemmert, A. W. A.**, Hondzinski, J. M., & Li, L. (2012). Asymmetry in Parkinson's Disease is reflected in the Timed Up and Go Test. *The 59th American College of Sports Medicine Annual Conference*. San Francisco, California.
21. Hondzinski, J. M., Li, L., Pan, Z., Prejean, P., & **Van Gemmert, A. W. A.** (2012). Movement excursion explains associations between gross and fine motor functions in older adults with and without Parkinson's disease. *Journal of Sport & Exercise Psychology*, 34(Suppl.), S88-S89.
22. Pan, Z., & **Van Gemmert, A. W. A.** (2011). Aging reduces learning benefits as result of bilateral transfer. *The 8<sup>th</sup> Progress in Motor Control (PMC VIII) biennial meeting of the International Society of Motor Control: Recent Advances in Neural, Computational and Dynamical Approaches (Poster Abstracts)* (pp. 24). University of Cincinnati, Cincinnati, OH, USA.
23. Pan, Z., & **Van Gemmert, A. W. A.** (2011). Improvements of movement performance as result of bilateral transfer of learning. In E. Grassi and J. L. Contreras-Vidal (Eds.), *Proceedings of the 15<sup>th</sup> Conference of the International Graphonomics Society* (pp. 59-62). Nijmegen: IGS.
24. Prejean, P., Pan, Z., Harrison, J., **Van Gemmert, A. W. A.**, Li, L., & Hondzinski, J. M. (2011). Potential benefits of long-term limited Tai Chi training for Parkinson's patients. *Journal of Sport & Exercise Psychology*, 33(Suppl.), S101-S102.
25. Callihan, B. T., & **Van Gemmert, A. W. A.** (2010). Do Parkinson's disease patients benefit from auditory cues when learning a movement sequence? *Society for Neuroscience Abstracts* (Program No. 51.17), Online.
26. Farley, B., Derosa, S., Koshland, G., Fox, C., & **Van Gemmert, A. W. A.** (2010). The LSVT BIG and LOUD training protocol transfers to an untrained handwriting task in early Parkinson disease. *Journal of Sport & Exercise Psychology*, 32, S33.
27. Pan, Z., & **Van Gemmert, A. W. A.** (2010). The asymmetry of bilateral transfer of a visuo-motor rotated aiming task. *Society for Neuroscience* (Program No. 293.6), Online.



28. Hughes, B., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2009). The intermittency of braille reading finger velocities. In A. Vinter and J. L. Velay (Eds.), *Proceedings of the 14<sup>th</sup> conference of the international graphonomics society* (pp. 190-193). Nijmegen: IGS.
29. **Van Gemmert, A. W. A.**, Ringenbach, S. D. R., Shill, H. A., & Stelmach, G. E. (2009). Complex bimanual coordination is performed accurately using verbal instructions in Parkinson's disease patients. In A. Vinter and J. L. Velay (Eds.), *Proceedings of the 14<sup>th</sup> conference of the international graphonomics society* (pp. 30-33). Nijmegen: IGS.
30. Yank, J., & **Van Gemmert, A. W. A.** (2009). Visuo-motor tracking in a pursuit loop-drawing task. In A. Vinter and J. L. Velay (Eds.), *Proceedings of the 14<sup>th</sup> conference of the international graphonomics society* (pp. 171-175). Nijmegen: IGS.
31. Yank, J. R., **Van Gemmert, A. W. A.**, Bailey, D., Zuur, A., & McLachlan, J. (2009). The effect of displaced visual feedback on temporal coupling in a loop drawing task. *Proceedings of the 15<sup>th</sup> International Conference on Perception and Action* (pp. 92). Minneapolis, MN: University of Minnesota.
32. Alvarez, M. V., **Van Gemmert, A. W. A.**, Evidente, V. G. H., Caviness, J. N., Driver-Dunckley, E. D., Lyons, M. H., & Adler, C. H. (2008). Deep brain stimulation of STN improves some handwriting movement in Parkinson's disease patients. *Movement Disorders, 23(Suppl 1)*, S126.
33. Hughes, B. & **Van Gemmert, A. W. A.** (2008). "What finger movements reveal about braille reading". *Perception, 37(Suppl ECVF)*, 133.
34. Hughes, B., & **Van Gemmert, A. W. A.** (2008). Perceptual-motor control and language processing contributions to braille reading velocity. *20<sup>th</sup> Annual Convention of the Association for Psychological Science* (Program No. VII-133), Online.
35. Hughes, B., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2008). Texture meets text: On the kinematics of Braille reading. *Proceedings of the 16<sup>th</sup> Symposium on Haptic Interfaces for Virtual Environments and Teleoperator Systems* (no. 111). IEEE Publications.
36. Poston, B., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2008). Brain laterality and motor function in the elderly. *Journal of Sport & Exercise Psychology, 30*, S12.
37. Poston, B., **Van Gemmert, A. W. A.**, Barduson, B., & Stelmach, G. E. (2007). Movement substructure in the left and right arms of young and elderly adults during goal-directed arm movements. *Progress In Motor Control VI: A Multidisciplinary Perspective*. Santos, Brazil.
38. Farley, B. G., Derosa, S., Koshland, G. F., Fox, C. M., & **Van Gemmert, A. W. A.** (2006). Training generalized amplitude across motor systems (BIG and LOUD<sup>tm</sup>) transfers to an untrained handwriting task in early Parkinson's disease. *Society for Neuroscience Abstracts* (Program No. 655.13), Online.
39. Fradet, L., Lee, G., Dounskaia, N., & **Van Gemmert, A. W. A.** (2006). Effects of age and Parkinson's disease on secondary submovements during pointing movements. *Society for Neuroscience Abstracts* (Program No. 57.5), Online.
40. Van Den Heuvel, C. E., & **Van Gemmert, A. W. A.** (2006). On the break-down of spatial and temporal characteristics in forged handwriting. *Programme and Abstracts of the 4<sup>th</sup> European Academy of Forensic Science*. Helsinki: ENFSI.

41. **Van Gemmert, A. W. A.**, Adler, C. H., Teulings, H. L., & Stelmach, G. E. (2006). Stroke size modulation in spiral drawing and handwriting of de novo and levodopa treated Parkinson's disease patients. *Arizona Biosciences Leadership Symposium: Building Collaborations*, Addendum, 122.
42. Ringenbach, S. D. R., **Van Gemmert, A. W. A.**, Shill, H. A., & Stelmach, G. E. (2005). Cue benefits on drawing tasks in Parkinsonian patients depend on task requirements. *Society for Neuroscience Abstracts* (Program No. 757.9), Online.
43. **Van Gemmert, A. W. A.**, Adler, C. H., & Stelmach, G. E. (2005). Limb involvement and aiming movement complexity in Parkinson's disease patients and older adults. *Society for Neuroscience Abstracts* (Program No. 757.12), Online.
44. Bohan, M., Longstaff, M. G., **Van Gemmert, A. W. A.**, Rand, M. K., & Stelmach, G. E. (2001). The effects of target shape on movement duration and kinematics for younger and older adults. *Proceedings of the 6<sup>th</sup> Annual International Conference on Industrial Engineering - Theory, Applications, and Practice* (8 pages), San Francisco: California.
45. Broderick, M. P., **Van Gemmert, A. W. A.**, Shill, H. A., & Stelmach, G. E. (2004). Hypometria during drawing movements in individuals with Parkinson's disease. *Motor Control: Trends and Perspectives; a symposium* (pp. 33), Tempe: ASU.
46. Broderick, M. P., **Van Gemmert, A. W. A.**, Shill, H. A., & Stelmach, G. E. (2004). Influence of frequency and weight conditions on graphic movements of Parkinson's disease patients. *Society for Neuroscience Abstracts* (Program No. 181.17), Online.
47. Teulings, H. L., Romero, D. H., & **Van Gemmert, A. W. A.** (2004). Advancements in recording and analysis of fine-motor movements. *Motor Control: Trends and Perspectives; A Symposium* (pp. 9), Tempe: ASU.
48. **Van Gemmert, A. W. A.** (2004). Effects of Parkinson's disease on handwriting. *Motor Control: Trends and Perspectives; A Symposium* (pp. 18), Tempe: ASU.
49. **Van Gemmert, A. W. A.**, Adler, C. H., Teulings, H. L., & Stelmach G. E. (2004). Differential effects on handwriting and spiral drawing movements in de novo and levodopa treated Parkinson's disease patients. *Society for Neuroscience Abstracts* (Program No. 1011.14), Online.
50. Adler, C. H., **Van Gemmert, A. W. A.**, Teulings, H. L., & Stelmach, G. E. (2003). A quantitative analysis of the production of the Archimedes spiral in Parkinson's disease patients and controls. In H. L. Teulings and A. W. A. Van Gemmert (Eds.), *Proceedings of the 11<sup>th</sup> conference of the international graphonomics society* (pp. 119-122). Nijmegen: IGS.
51. Teulings, H. L., & **Van Gemmert, A. W. A.** (2003). Goal-directed movements in menu selection in computer user interfaces. In H. L. Teulings and A. W. A. Van Gemmert (Eds.), *Proceedings of the 11<sup>th</sup> conference of the international graphonomics society* (pp. 99-102). Nijmegen: IGS.
52. **Van Gemmert, A. W. A.**, Adler, C. H., & Stelmach, G. E. (2003). Motor Load in drawing movements of Parkinson's disease patients. *Society for Neuroscience Abstracts* (Program No. 71.16), Online.

53. Hatfield, B. D., Contreras-Vidal, J. L., & **Van Gemmert, A. W. A.** (2002). A multilevel approach to the understanding of cognitive-motor behavior: From neurobiology to conceptual modeling. *Journal of Sport & Exercise Psychology*, *24*, S14-S15.
54. **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2002). Increased motor processing demands reduce stroke size in Parkinsonian handwriting. *Journal of Sport & Exercise Psychology*, *24*, S16.
55. Leis, B. C., **Van Gemmert, A. W. A.**, Longstaff, M. G., Rand, M. K., Mahant, P. R., Teulings, H. L., & Stelmach, G. E. (2001). Movement precues in planning and execution of arm movement in Parkinson's disease. *Society for Neuroscience Abstracts* (Program No. 832.4), 27.
56. Longstaff, M. G., Mahant, P. R., Stacy, M. A., **Van Gemmert, A. W. A.**, Leis, B. C., & Stelmach, G. E. (2001). Continuously scaling a continuous movement: Parkinsonian patients choose a smaller scaling ratio and produce more variable movements compared to elderly controls. In R. G. J. Meulenbroek and B. Steenbergen (Eds.), *Proceedings of the 10<sup>th</sup> biennial conference of the international graphonomics society* (pp. 84-89). Nijmegen: IGS.
57. Longstaff, M. G., Stacy, M. A., Mahant, P. R., **Van Gemmert, A. W. A.**, Leis, B. C., & Stelmach, G. E. (2001). Discretely scaling a continuous movement: Parkinson's disease patients have more variable movement trajectories. *Society for Neuroscience Abstracts* (Program No. 832.3), 27.
58. Romero, D. H., **Van Gemmert, A. W. A.**, Adler, C. H., Bekkering, H., & Stelmach, G. E. (2001). Time delays prior to movement alter the drawing kinematics of elderly adults. In R. G. J. Meulenbroek and B. Steenbergen (Eds.), *Proceedings of the 10<sup>th</sup> biennial conference of the international graphonomics society* (pp. 114-118). Nijmegen: IGS.
59. Traustadottir, T., Bosch, P., **Van Gemmert, A. W. A.**, & Matt, K. S. (2001). Gender differences in the HPA axis response to a stress reactivity protocol. *Society for Neuroscience Abstracts* (Program No. 174.18), 27.
60. **Van Gemmert, A. W. A.**, Adler, C. H., & Stelmach, G. E. (2001). The isochronic size range is reduced in handwriting of Parkinsonian patients. In R. G. J. Meulenbroek and B. Steenbergen (Eds.), *Proceedings of the 10<sup>th</sup> biennial conference of the international graphonomics society* (pp. 36-39). Nijmegen: IGS.
61. Dounskaja, N., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2000). Interjoint coordination during handwriting-like movements. *Program and Abstracts of the Tenth Annual Meeting of Neural Control of Movement* (P-8), 5. Key West: Florida.
62. Rand, M. K., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2000). Effects of segment difficulties on movements with two-stroke sequence in Parkinson's patients. *Society for Neuroscience Abstracts* (pp. 163), 26.
63. Romero, D. H., **Van Gemmert, A. W. A.**, Adler, C. H., Bekkering, H., & Stelmach, G. E. (2000). Vision does not compensate for time delays between hand positioning and movement onset in Parkinson's disease patients. *Society for Neuroscience Abstracts* (pp. 163), 26.

64. **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2000). Parkinson's disease patients have difficulty in the coordination of proximal joints. *Society for Neuroscience Abstracts* (pp. 163), 26.
65. Dounskaia, N., Stelmach, G. E., & **Van Gemmert, A. W. A.** (1999). Preferences in interjoint coordination during hand movements. *Society for Neuroscience Abstracts* (pp. 1916), 25.
66. Ketcham, C. J., **Van Gemmert, A. W. A.**, Seidler, R. D., Stelmach, G. E., & Teulings, H. L. (1999). Movement kinematics and speed-accuracy constraints in Parkinson's disease. *Society for Neuroscience Abstracts* (pp. 375), 25.
67. Leis, B. C., **Van Gemmert, A. W. A.**, Lou, J. S., & Stelmach, G. E. (1999). Movement planning and execution operations in Parkinson's disease. *Society for Neuroscience Abstracts* (pp. 2113), 25.
68. Leis, B. C., **Van Gemmert, A. W. A.**, Lou, J. S., & Stelmach, G. E. (1999). Planning operations underlying movement initiation and execution in Parkinson's disease: The use of precue information. *Building Competitive Research Careers: A Symposium* (pp. 22). Tucson, AZ; University of Arizona.
69. Van Den Heuvel, C. E., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (1999). Nonspecific motor preparation during the foreperiod in an aiming task. In G. Leedham, M. Leung, V. Sagar, and X. Xuhong (Eds.), *Proceedings of the 9<sup>th</sup> biennial conference of the international graphonomics society* (pp. 31-36). Nijmegen: IGS.
70. **Van Gemmert, A. W. A.**, Adler, C. H., & Stelmach, G. E. (1999). Reduced range of isochronic writing size in Parkinson's disease patients. *Society for Neuroscience Abstracts* (pp. 909), 25.
71. **Van Gemmert, A. W. A.**, Teulings, H. L., & Stelmach, G. E. (1999). Parkinsonian patients reduce their stroke size with increased programming load. In G. Leedham, M. Leung, V. Sagar, and X. Xuhong (Eds.), *Proceedings of the 9<sup>th</sup> biennial conference of the international graphonomics society* (pp. 231-236). Nijmegen: IGS.
72. Hardy, H. J. J., Van Galen, G. P., & **Van Gemmert, A. W. A.** (1998). Effects of slowing: A comparison of age-related slowing and task-related slowing. In W. P. De Jong (Ed.), *Proceedings III International Congress of the Gesellschaft fuer Forensische Schriftuntersuchung (GFS)*. Luzern.
73. Hardy, H. J. J., Van Galen, G. P., **Van Gemmert, A. W. A.**, & Thomassen, A. J. W. M. (1998). Dynamical features of disguised handwriting. In W. P. De Jong (Ed.), *Proceedings III International Congress of the Gesellschaft fuer Forensische Schriftuntersuchung (GFS)*. Luzern.
74. Van Den Heuvel, C. E., Los, S. A., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (1998). Motor preparation during the foreperiod. *Abstracts of the 10<sup>th</sup> congress of the European Society for Cognitive Psychology* (pp. 202). Israel: Dan Knassim.
75. **Van Gemmert, A. W. A.**, Teulings, H. L., & Stelmach, G. E. (1998). Increased motor programming load reduces movement amplitude in Parkinsonian patients. *Society for Neuroscience Abstracts* (pp. 1949), 24.

76. Van Den Heuvel, C. E., Van Galen, G. P., & **Van Gemmert, A. W. A.** (1997). Restoring the perception-action equilibrium after on-line rescaling of the visual feedback of the writing trace. In A. M. Colla, F. Masulli, and P. Morasso (Eds.), *Proceedings of the 8<sup>th</sup> international conference on handwriting and drawing* (pp. 51-52). Nijmegen: IGS.
77. **Van Gemmert, A. W. A.**, & Stelmach, G. E. (1997). The effects of stress on a continuous movement task. *Abstracts of the 3<sup>rd</sup> annual Biomedical Symposium of the Flinn Foundation* (#57).
78. **Van Gemmert, A. W. A.**, Teulings, H. L. & Stelmach, G. E. (1997). Handwriting of Parkinsonian patients is not affected by mental load. In A. M. Colla, F. Masulli, and P. Morasso (Eds.), *Proceedings of the 8<sup>th</sup> international conference on handwriting and drawing* (pp. 45-46). Nijmegen: IGS.
79. **Van Gemmert, A. W. A.**, Teulings, H. L., & Stelmach, G. E. (1997). Acceleration amplitude is impaired with Parkinson's disease patients. *Society for Neuroscience Abstracts* (pp. 2372), 23.
80. **Van Gemmert, A. W. A.**, Van Galen, G. P., & Hardy, H. J. J. (1997). Effects of slowing: A comparison of age-related slowing and task-related slowing. In A. M. Colla, F. Masulli, and P. Morasso (Eds.), *Proceedings of the 8<sup>th</sup> international conference on handwriting and drawing* (pp. 133-134). Nijmegen: IGS.
81. **Van Gemmert, A. W. A.**, Van Galen, G. P., & Hardy, H. J. J. (1996). Dynamical features of disguised handwriting. Abstract. *Programme and Abstracts of the 5<sup>th</sup> European Conference for Police and Government Handwriting Experts* (1 page). The Hague, November 13-15, 1996.
82. **Van Gemmert, A. W. A.**, Van Galen, G. P., Hardy, H. J. J., & Thomassen, A. J. W. M. (1996). Dynamical features of disguised handwriting. *Proceedings of the 5<sup>th</sup> European Conference for Police and Government Handwriting Experts* (22 pages). Rijswijk: Netherlands Forensic Science Laboratory.
83. Van Galen, G. P., & **Van Gemmert, A. W. A.** (1995). Dynamic features of mimicking another person's handwriting. In M. L. Simner (Ed.), *Proceedings of the 7<sup>th</sup> international conference on basic and applied issues in handwriting and drawing research* (pp. 158-159). London (Ontario): Phylmar Associates.
84. Van Galen, G. P., & **Van Gemmert, A. W. A.** (1995). Psychomotor effects of forging another person's handwriting. *Abstracts of the 5<sup>th</sup> conference of the Dutch Society for Psychonomics* (pp. 25).
85. **Van Gemmert, A. W. A.**, & Van Galen, G. P. (1995). Psychomotor features of copying another person's signature. In M. L. Simner (Ed.), *Proceedings of the 7<sup>th</sup> international conference on basic and applied issues in handwriting and drawing research* (pp. 160-161). London (Ontario): Phylmar Associates.
86. **Van Gemmert, A. W. A.**, & Van Galen, G. P. (1993). Effects of a secondary, auditory task on graphic aiming movements. In C. Faure (Ed.), *Proceedings of the 6<sup>th</sup> international conference on handwriting and drawing* (pp 156-158). Paris: Telecom.

## DISSERTATIONS

1. **Van Gemmert, A. W. A.** (1997). *The effects of mental load and stress on the dynamics of fine motor tasks*. Ph.D. Thesis, University of Nijmegen, The Netherlands, (ISBN 90 373 0384 6) Nijmegen: NICI.
2. **Van Gemmert, A. W. A.** (1992). *De effecten van auditieve stimuli op doelgerichte motoriek: Een chronometrische en spectraal analyse* [The effects of acoustic stimuli on goal-aimed movements: A chronometrical and spectral analysis]. Master's thesis, NICI University of Nijmegen, The Netherlands.

## NON-ENGLISH ARTICLES

1. **Van Gemmert, A. W. A.** (2005). De ziekte van Parkinson bemoeilijkt het leesbaar schrijven [Parkinson's disease hampers writing legibly]. *Papaver: Parkinson Patiënten Vereniging*, 28(3), 7-9.
2. De Jong, W. P., & **Van Gemmert, A. W. A.** (1994). Afname van de Complex Figure Test met een schrijftablet [Using a digitizer tablet for the Complex Figure Test]. *Psychologie & Computers*, 11, 123-129.

## NON-ENGLISH ABSTRACTS

1. Van Galen, G. P., Van Huygevoort, M., & **Van Gemmert, A. W. A.** (1997). Zijn motorische missers groter bij stress en tijdsdruk? [Are motorical failures bigger under stress and time pressure?]. *Abstracts of the 6<sup>th</sup> conference of the Dutch Society for Psychonomics* (pp. 39-40).
2. **Van Gemmert, A. W. A.**, & Van Galen, G. P. (1993). Pendrukverhoging als biomechanische strategie voor de controle van stress effecten in motorische taken [Penpressure increase as a biomechanical tool for controlling effects of stress during motor control]. *Abstracts of the 4<sup>th</sup> conference of the Dutch Society for Psychonomics* (pp. 20-21).

## SELECTED LECTURES/PRESENTATIONS (not included in abstracts)

1. Aisner, T. K., Calamia, M. R., Keller, J. N., Brouillette, R., & **Van Gemmert, A. W. A.** (2017). Gait and falls in older adults. *LSU Life Course and Aging Center's 14<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, March 10.
2. Schumate, R. A., Lea, G. S., & **Van Gemmert, A. W. A.** (2015). The effects of levodopa on control and coordination of fine movements in patients with Parkinson's disease. *LSU Life Course and Aging Center's 12<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, April 17.

3. Fontenot, S. C., Aiken, C. A., & **Van Gemmert, A. W. A.** (2015). Effort induced by stress does not affect motor learning. *LSU Life Course and Aging Center's 12<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, April 17.
4. **Van Gemmert, A. W. A.** (2014). Handwriting and drawing: Using a stylus to investigate motor (dys)function. *Motor Neuroscience Seminar*, Department of Health & Kinesiology, Texas A&M University, College Station, Texas, 28 February.
5. Andrew, T. H., Sayo, A. L., & **Van Gemmert, A. W. A.** (2014). Differences in handwriting and typing on information retention. *LSU Life Course and Aging Center's 11<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, March 21.
6. Lanclos, K. F., Aiken, C. A., Odom, S. B., & **Van Gemmert, A. W. A.** (2014). Motor performance is negatively affected by an increase in mental-load but learning may still occur. *LSU Life Course and Aging Center's 11<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, March 21.
7. **Van Gemmert, A. W. A.** (2013). Handwriting and drawing: Using a stylus to investigate motor function. *LSU Science Club*, Louisiana State University, Baton Rouge, November 14.
8. Aiken, C., Pan, Z., & **Van Gemmert, A. W. A.** (2013). A learned aiming task transfers to different muscle groups within the dominant upper limb. *LSU Life Course and Aging Center's 10<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, February 22.
9. Sayo, A., & **Van Gemmert, A. W. A.** (2013). A comparison on the effects of keyboarding and handwriting on remembering copied texts. *LSU Life Course and Aging Center's 10<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, February 22.
10. Aiken, C., & **Van Gemmert, A. W. A.** (2012). Learner-controlled feedback frequencies facilitates learning in younger adults, but not in older adults. *LSU Life Course and Aging Center's 9<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, March 16.
11. Pan, Z., & **Van Gemmert, A. W. A.** (2012). The ability of bilateral transfer is altered in Parkinson's disease patients. *LSU Life Course and Aging Center's 9<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, March 16.
12. Villa, L., & **Van Gemmert, A. W. A.** (2012). Pen-hand coordination in children aged 11-13 years is still developing. *LSU Life Course and Aging Center's 9<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, March 16.
13. Pan, Z., & **Van Gemmert, A. W. A.** (2011). The direction of Bilateral Transfer in a Visuomotor Rotated Aiming Task. *LSU Life Course and Aging Center's 8<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, February 11.

14. Prejean, P., Pan, Z., Harrison, J., **Van Gemmert, A. W. A.**, Li, L., & Hondzinski, J. M. (2011). Long-term limited Tai Chi training can enhance function in Parkinson's patients. *LSU Life Course and Aging Center's 8<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, February 11.
15. Pan, Z., Callihan, B. T., & **Van Gemmert, A. W. A.** (2010). The Effects of Auditory Stimuli on Learning a Point-to-Point Movement Sequence. *LSU Life Course and Aging Center's 7<sup>th</sup> Annual Community Partners Luncheon*. Louisiana State University, Baton Rouge, Louisiana, March 12.
16. **Van Gemmert, A. W. A.**, & Poston, B. (2008). Effects of Aging on Fine Motor Tasks. Invited speaker at the "*Good Ol' Men*" at *Westminster Village*, Scottsdale, Arizona, February 21.
17. **Van Gemmert, A. W. A.** (2008). Drawing and handwriting movements: An approach to study movement control and disorders. *Life Course and Aging Center Research Briefs*, Louisiana State University, Baton Rouge, Louisiana, December 10.
18. **Van Gemmert, A. W. A.** (2008). Handwriting and Parkinson's disease: An approach to study movement control and disorders. *Research presentation for the Department of Kinesiology*, Louisiana State University, Baton Rouge, Louisiana, January 22.
19. **Van Gemmert, A. W. A.** (2006). Handwriting and Parkinson's disease: An approach to study motor control. *ESS Seminar Series*, Department of Exercise and Sport Science, University of North Carolina at Greensboro, Greensboro, North Carolina, February 28.
20. **Van Gemmert, A. W. A.**, Adler, C. H., Teulings, H. L., & Stelmach, G. E. (2006). Stroke size modulation in spiral drawing and handwriting of de novo and levodopa treated Parkinson's disease patients. *The 2<sup>nd</sup> annual ASU / Mayo Clinic Arizona Research Symposium* (Poster presentation), Biodesign Institute, Arizona State University, Tempe, Arizona, February 4.
21. **Van Gemmert, A. W. A.** (2005). Handwriting and Parkinson's disease: An approach to study movement disorders. *Department of Kinesiology Seminars*, Department of Kinesiology, Arizona State University, Tempe, Arizona, September 14.
22. **Van Gemmert, A. W. A.** (2005). Handwriting and Parkinson's disease: An approach to study movement disorders. Invited Speaker in *Brown Bag Seminar Series*, Department of Kinesiology, University of Minnesota, Minneapolis, Minnesota, June 3.
23. **Van Gemmert, A. W. A.** (2005). Handwriting: A fine motor task affected by Parkinson's disease. Invited Lecture *Orthopedic/Neuro Update sponsored by the Arizona Physical Therapy Association*, Phoenix, Arizona, January 29.
24. **Van Gemmert, A. W. A.**, & Kornatz, K. W. (2005). Research in the motor control laboratory: Handwriting and Parkinson's disease, and Methods to evaluate and alleviate the effects of aging on movement control. Invited speaker at the *Million Years Club at the Church on Thirteenth and Mill*, Tempe, Arizona, March 8.
25. **Van Gemmert, A. W. A.** (2004). Participation in a study of the Motor Control Laboratory at Arizona State University. Invited Speaker *Parkinson's Support Group Mesa*, Mesa, Arizona, November 15.



26. **Van Gemmert, A. W. A.** (2004). Handwriting and Parkinson's disease: An approach to study movement disorders. Invited Lecture in *Friday's Doings in Motor Control*, Department of Physiology, College of Medicine, University of Arizona, Tucson, Arizona, April 2.
27. **Van Gemmert, A. W. A.** (2003). Handwriting research: Experiments in fine motor control. Invited Speaker at the *Phoenix Chapter of the National Association of Retired Federal Employees*, Phoenix, Arizona, June 12.
28. **Van Gemmert, A. W. A.** (2002). How do Parkinson's disease and stress affect handwriting? Invited Speaker at the annual meeting of the *Arizona Chapter of the National Parkinson's Foundation*, Phoenix, Arizona, November 2.
29. **Van Gemmert, A. W. A.** (2002). Effects of mental load and Parkinson's disease on handwriting-like tasks. Netherlands Business Association Arizona, Scottsdale, Arizona, September 18.
30. **Van Gemmert, A. W. A.** (2002). Effects of stress, mental load, and Parkinson's disease on handwriting-like tasks. Invited Lecture at the *School of Kinesiology*, University of Minnesota, Minneapolis, Minnesota, April 16.
31. **Van Gemmert, A. W. A.** (2001). Stress, mental load, and Parkinson's disease: How do they affect handwriting? Invited Lecture at the *Department of Kinesiology*, University of Maryland, College Park, Maryland, November 30.
32. **Van Gemmert, A. W. A.** (2001). The effects of Parkinson's disease on fine motor tasks. Invited Speaker at the *Sun City Parkinson's Support Group*, Sun City West, Arizona, October 16.
33. **Van Gemmert, A. W. A.** (2001). Handwriting and Parkinson's disease: Searching for the origin of micrographia. Invited Lecture at the *Department of Health and Performance Sciences Seminar*, Georgia Institute of Technology, Atlanta, Georgia, May 3.
34. Dounskaia, N., **Van Gemmert, A. W. A.**, & Stelmach, G. E. (2000). Interjoint coordination during handwriting-like movements. Poster presented at the *Brain Day*, Memorial Union, Arizona State University, Tempe, Arizona, March 7.
35. Leis, B. C., **Van Gemmert, A. W. A.**, Rand, M. K., & Stelmach, G. E. (2000). Precues, movement initiation, and execution in idiopathic Parkinson's disease. Oral presentation at *The First Annual International Arizona Research Conference*, Mesa, Arizona, March 24.
36. Leis, B. C., **Van Gemmert, A. W. A.**, Lou, J. S., Rand, M. K., & Stelmach, G. E. (2000). Movement planning and execution operations in Parkinson's disease. Poster presented at *Brain Day*, Memorial Union, Arizona State University, Tempe, Arizona, March 7.
37. Dounskaia, N., Stelmach, G. E., & **Van Gemmert, A. W. A.** (1999). Preferences in interjoint coordination during hand movements. Poster presented at the *Arizona Chapter of the Society for Neuroscience Meeting*, DuBois Center, Northern Arizona University, Flagstaff, Arizona, November 6.
38. Ketcham, C. J., **Van Gemmert, A. W. A.**, Seidler, R. D., Stelmach, G. E., & Teulings, H. L. (1999). Movement kinematics and speed-accuracy constraints in Parkinson's disease. Poster presented at the *Arizona Chapter of the Society for Neuroscience Meeting*, DuBois Center, Northern Arizona University, Flagstaff, Arizona, November 6.

39. Leis, B. C., **Van Gemmert, A. W. A.**, Lou, J. S., & Stelmach, G. E. (1999). Movement planning and execution operations in Parkinson's disease. Poster presented at the *Arizona Chapter of the Society for Neuroscience Meeting*, DuBois Center, Northern Arizona University, Flagstaff, Arizona, November 6.
40. **Van Gemmert, A. W. A.** (1999). Effects of Parkinson's disease, stress, and psychomotor load on the kinematics of graphic tasks. Invited Speaker at the *Association of Forensic Document Examiners continuing education symposium*, Phoenix, Arizona, November 4-7.
41. **Van Gemmert, A. W. A.** (1999). Features of fine motor control: The importance of temporal properties of normal, forged, and disguised handwriting. Invited Lecturer at the *Independent Association of Questioned Document Examiners training seminar*, Scottsdale, Arizona, September 10.
42. **Van Gemmert, A. W. A.**, Adler, C. H., & Stelmach, G. E. (1999). Parkinson's disease patients have a reduced isochronic size range in handwriting. Poster presented at the *Arizona Chapter of the Society for Neuroscience Meeting*, DuBois Center, Northern Arizona University, Flagstaff, Arizona, November 6.

## **HONORS**

Recipient of the Tiger Athletic Foundation Undergraduate Teaching Award. Louisiana State University, May 5, 2015.

Recipient of the Helen "Bessie" Pliner Endowed Professorship. Louisiana State University, October 1, 2014.

LSU Today Flagship Faculty. LSU Office of Communications & University Relations. Louisiana State University, February 24, 2012.

Subject of biographical record in *Who's Who in America 2011* (65<sup>th</sup> Edition). The Marquis Who's Who Publication Board. New Providence, NJ; Marquis Who's Who LLC, Copyright 2010.

Nominated: The National Society of Collegiate Scholars' (NSCS) 2010 Inspire Integrity Awards.

Invited Speaker at the annual meeting of the Arizona Chapter of the National Parkinson's Foundation, Phoenix, Arizona, November 2, 2002.

Invited Speaker at the Association of Forensic Document Examiners continuing education symposium, Phoenix, Arizona, November 4-7, 1999.

NATO Fellow: Workshop on "Multisensory Control of Movement", ISAS-TECS, Trieste, Italy, 1994.

ERASMUS Graduate Research Student (European exchange program), Department of Psychology, University of Birmingham, Birmingham, United Kingdom, 1992.

## **PROFESSIONAL WORKSHOPS/LECTURES**

Invited Workshop: Giving a 3 hour workshop “*Handwriting and drawing: Studies in Fine Motor Function and Possible Forensic Implications*”, Annual Conference of the National Association of Document Examiners, Renaissance New Orleans Arts Ware House District Hotel, New Orleans, Louisiana, May 15-18, 2017.

Invited Workshop: Giving a 6 hour workshop “*Handwriting and drawing: from research design to testing theories and its implications for the forensic practice*”), Annual Symposium of the Association of Forensic Document Examiners, The Crockett Hotel, San Antonio, Texas, October 23-26, 2015.

Invited Lecturer at Orthopedic/Neuro Update Sponsored by the Arizona Physical Therapy Association, Phoenix, January 29, 2005.

Invited Lecturer at the Independent Association of Questioned Document Examiners training seminar conducted in Scottsdale, Arizona, September 10, 1999.

## **SERVICE**

### **PROFESSIONAL SERVICE**

Director:

International Graphonomics Society (US Non-profit organization), 2014-2017

Secretary:

International Graphonomics Society, 2013-2017.

President:

International Graphonomics Society, 2011-2013.

President-elect:

International Graphonomics Society, 2009-2011.

Advisory Council:

International Graphonomics Society, 2008-2009.

Treasurer:

International Graphonomics Society, 2005-2007.

Secretary-Treasurer:

International Graphonomics Society, 2001-2005.

Editorial board member:

Human Movement Science, 2016-present

Advances in Physical Education (<http://www.scirp.org/journal/ape/>), 2011-2015.

Guest Editor:

Human Movement Sciences, in preparation (Special issue: *Advances in graphonomic research: Insights into developmental and context issues of fine motor control*).

Human Movement Sciences, Volume 43, 165-349 (Special section: *Graphonomics and its contribution to the field of motor behavior*), 2015.

Human Movement Sciences, Volume 30, 683-830 (Special issue: *Progress in*

*graphonomics: A perceptual motor skill perspective*), 2011.

Human Movement Sciences, Volume 28, 553-654 (Special issue: *Disruptions of Handwriting*), 2009.

Human Movement Sciences, Volume 25, 447-694 (Special double issue: *Advances in graphonomics: Studies on fine motor control, its development and disorders*), 2006.

Journal of Forensic Document Examination, Volume 16, 1-148 (Special issue: *Selected paper of the 11<sup>th</sup> International Graphonomics Society meeting*), 2004.

Motor Control, Volume 8, 367-566 (Special issue: *Connecting sciences using graphonomic research*), 2004.

International Journal of Pattern Recognition and Artificial Intelligence, Volume 18, 1131-1371 (Special issue: *Connecting graphonomic research and pattern recognition*), 2004.

Human Movement Sciences, Volume 22, 131-220 (Special issue: *Advances in the study of drawing and handwriting*), 2003.

Co-editor:

Proceedings of the 11<sup>th</sup> Conference of the International Graphonomics Society (IGS2003), 2-5 November 2003, Scottsdale, Arizona, USA.

Ad-hoc member:

National Institute of Health, Clinical Sciences Special Emphasis Panel, 1999, 2000.

Ad-hoc grant proposal reviewer:

Programme de Recherche Translationnelle en Santé (Ministère des Affaires Sociales et de la Santé, République Française) France, 2013.

The Research Foundation Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO), Belgium, 2013.

Economic & Social Research Council (ESRC), United Kingdom, 2009.

Alzheimer's Association, Research Grant Program, 2005, 2008.

National Science Foundation, BCS Perception, Action, and Cognition, 2005.

Ad-hoc Guest Editor:

Human Movement Sciences (2011 – 2013).

Ad-hoc manuscript (journal) reviewer:

1. Acta Psychologica
2. Adaptive Behavior
3. Advances in Physical Education
4. AGE The Journal of the American Aging Association
5. Aging Clinical and Experimental Research
6. American Journal of Physical Medicine and Rehabilitation
7. Applied Physiology, Nutrition, and Metabolism
8. Australian Physical and Engineering Sciences in Medicine (APES)
9. Behavioral Research Methods
10. BMC Neuroscience
11. Brain
12. Chronobiology International

13. Current Gerontology and Geriatrics Research
  14. Experimental Brain Research
  15. Experimental Neurology
  16. Forensic Science International
  17. Human Factors
  18. Human Movement Science (until 2016)
  19. IEEE/Transactions on Human-Machine Systems
  20. IEEE/Transactions on Neural Systems and Rehabilitation Engineering
  21. Journal of Aging Research
  22. Journal of Electromyography and Kinesiology
  23. Journal of Experimental Child Psychology
  24. Journal of Forensic Document Examination
  25. Journal of Mental Health
  26. Journal of Motor Behavior
  27. Journal of NeuroEngineering and Rehabilitation
  28. Journal of Neurology, Neurosurgery, and Psychiatry
  29. The Journal of Neuroscience
  30. Journal of Neuroscience Methods
  31. Journal of Sport and Exercise Psychology
  32. Journal of Visualized Experiments
  33. Measurement
  34. Motor Control
  35. Movement Disorders
  36. NeuroImage
  37. Neuropsychologia
  38. Neuropsychology
  39. Neuroscience Letters
  40. Pattern Recognition Letters
  41. PLOS One
  42. Psychiatry Research
  43. Psychological Reports/Perceptual Motor Skills
  44. Psychonomic Bulletin and Review
  45. Research Quarterly for Exercise and Sport
  46. Scientific Reports (Nature)
  47. Symmetry
  48. The Open Cybernetics and Systemics Journal
- Ad-hoc manuscript (textbook) reviewer:
- Utley, A., & Astill, S. (2008). *Instant Notes in Motor Control, Learning and Development* (ISBN 9780415391399). Taylor & Francis: United Kingdom.
- Ad-hoc book reviewer:
- Wasylyk, T. M. (new edition in preparation). *Teacher Training Workbook Handwriting*. Universal Publishing: Honesdale, PA, USA.

Ad-hoc book proposal reviewer:

Routledge, Psychology | Taylor & Francis Group: New York, NY, USA.

Co-organizer symposium:

Motor Control: Trends and Perspectives. Arizona State University, May 20-21, 2004, Tempe, Arizona, USA.

Presider:

Poster session, *Motor Control and Learning: "Sensory Control"*. North American Society for the Psychology of Sport and Physical Activity (NASPSPA) 2014 Conference, June 12 – 14, 2014, Minneapolis, Minnesota, USA.

Discussant:

*Focused training techniques in individuals with Parkinson's disease*. North American Society for the Psychology of Sport and Physical Activity (NASPSPA) 2010 Conference, June 10-12, 2010, Tucson, Arizona, USA.

Chair:

Section Handwriting and Neurological disease. The 18th Biennial Conference of the International Graphonomics Society, June 18-21, 2017, Gaeta, Italy.

Invited Presentation, Prof. H. Yokoi. Robotics rehabilitation projects based on mutual adaptation. The 16th Biennial Conference of the International Graphonomics Society, June 10-13, 2013, Nara, Japan.

Section Computational Models. The 15th Biennial Conference of the International Graphonomics Society, June 12-15, 2011, Cancun, Mexico.

Section Forensic Science, Handwriting and Drawing. The 15th Biennial Conference of the International Graphonomics Society, June 12-15, 2011, Cancun, Mexico.

Section Handwriting Analysis. The 15th Biennial Conference of the International Graphonomics Society, June 12-15, 2011, Cancun, Mexico.

Section Development: Handwriting and Drawing. The 14th Biennial Conference of the International Graphonomics Society, September 13-16, 2009, Dijon, France.

Section Neuroscience. The 14th Biennial Conference of the International Graphonomics Society, September 13-16, 2009, Dijon, France.

Scientific committee of the 11th Biennial Conference of the International Graphonomics Society, November 2-5, 2003, Scottsdale, Arizona, USA.

Moderator:

*Stressors and Performance*. North American Society for the Psychology of Sport and Physical Activity (NASPSPA) 2016 Conference, June 15 – 18, 2016, Montreal, Canada.

*Effect of age on motor learning and control*. North American Society for the Psychology of Sport and Physical Activity (NASPSPA) 2010 Conference, June 10 – 12, 2010, Tucson, Arizona, USA.

*Visuomotor control and learning*. North American Society for the Psychology of Sport and Physical Activity (NASPSPA) 2010 Conference, June 10 – 12, 2010, Tucson, Arizona, USA.

**Member:**

Look AHEAD: Action for Health in Diabetes (LookAHEAD), Physical Function Special Interest Group (ClinicalTrials.gov Identifier: NCT00017953), Remote Conference Call Group, 2017 - present.

Scientific Program committee of the 18<sup>th</sup> Biennial Conference of the International Graphonomics Society, June 18-21, 2017, Gaeta, Italy.

International steering committee of the 18<sup>th</sup> Biennial Conference of the International Graphonomics Society, June 18-21, 2017, Gaeta, Italy.

Program Committee, Topic area: Motor Control and Learning, North American Society for Psychology of Sport and Physical Activity (NASPSPA) 2016 Conference, June 15-18, 2016, Montréal, Québec, CA.

International steering committee of the 17<sup>th</sup> Biennial Conference of the International Graphonomics Society, June 21-24, 2015, Pointe-à-Pitre, Guadeloupe.

The Board of Scientific Advisors (not compensated), Neuroscript LLC, Tempe, AZ, USA, 2008 – present.

Program committee of the 16<sup>th</sup> Biennial Conference of the International Graphonomics Society, June 10-13, 2013, Nara, Japan.

Scientific committee of the 15<sup>th</sup> Biennial Conference of the International Graphonomics Society, June 12-15, 2011, Cancun, Mexico.

Steering committee of the 14<sup>th</sup> Biennial Conference of the International Graphonomics Society, September 13-16, 2009, Dijon, France.

Steering committee of the 13<sup>th</sup> Biennial Conference of the International Graphonomics Society, November 11-14, 2007, Melbourne, Australia.

Steering committee of the 12<sup>th</sup> Biennial Conference of the International Graphonomics Society, June 26-29, 2005, Salerno, Italy.

Program committee of the 10<sup>th</sup> Biennial Conference of the International Graphonomics Society, August 6-8, 2001, Nijmegen, The Netherlands.

**UNIVERSITY SERVICE**

2017 – present Member-at-Large, Executive Committee Faculty Senate, Louisiana State University, Baton Rouge, LA, USA.

2017 – present Chair, Search committee Assistant professor in Motor Behavior, School of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.

2016 – present Member, Faculty Adjudication Committee (till 2017 Faculty Grievance Committee), Louisiana State University, Baton Rouge, LA, USA.

2015 – present Member, Campus Committee on Sustainability (CCS), Louisiana State University, Baton Rouge, LA, USA.

2014 – present Faculty Advisor, (established 2014) pre-Occupational Therapy club, Louisiana State University, Baton Rouge, LA, USA.

2014 – present Member, College of Human Sciences and Education Student Recruitment committee, School of Kinesiology representative, Louisiana State University, Baton Rouge, LA, USA.

- 2009 – present Representative (Chair 2012 – 2013; 2015 – 2016) for the division of Human Movement Sciences, The Advisory Council, School of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2016 – 2017 Chair, Search committee Open Rank (Assistant/Associate/Full) Professor in Motor Behavior, School of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2015 – 2017 Member, Executive Board, Life Course and Aging Center, Louisiana State University, Baton Rouge, LA, USA.
- 2016 – 2017 Faculty co-advisor, Upsilon Delta, Student organization of the Life Course and Aging Center, Louisiana State University, Baton Rouge, LA, USA.
- 2014 – 2017 Faculty Senate Member, Representative School of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2015 – 2016 Chair, Search committee Associate/Full professor in Motor Behavior, School of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2015 – 2016 Chair, Search committee Assistant professor in Motor Behavior, School of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2014 – 2016 Member, CHSE committee for the Annual LSU Discover Research Day, College of Human Sciences and Education, Louisiana State University, Baton Rouge, LA, USA.
- 2016 Member, Tiger Athletic Foundation Teaching Award committee, School of Kinesiology, College of Human Sciences and Education, Louisiana State University, Baton Rouge, LA, USA.
- 2015 – 2016 Member, Selection Committee Ambassador Program CHSE, College of Human Sciences and Education, Louisiana State University, Baton Rouge, LA, USA.
- 2014 – 2015 Member, Parking and Transit Services Advisory Committee. Louisiana State University, Baton Rouge, LA, USA.
- 2014 – 2015 Chair, Motor Behavior search committee, School of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2013 – 2015 Member CHSE SACS QEP committee for the Annual LSU Discover Research Day, College of Human Sciences and Education, Louisiana State University, Baton Rouge, LA, USA.
- 2012 – 2015 Faculty co-advisor, Sigma Phi Omega (the national academic honor and professional society in gerontology) LSU Chapter, Upsilon Delta, Louisiana State University, Baton Rouge, LA, USA.
- 2011 – 2014 Member, Subcommittee chartered to propose the Diversity goals, benchmarks, and performance indicators for the Strategic plan of the Department of Kinesiology. Department of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2013 Representative alternate for the Life Course and Aging Center, Interview committee for the Director of the Office of Sponsored Programs, March 7<sup>th</sup>, 2013, Louisiana State University, Baton Rouge, LA, USA.
- 2012 Member, Motor Development and Biomechanics search committee, Department of Kinesiology, Louisiana State University, Baton Rouge, LA, USA



- 2012 Committee member, Professor Robert Proctor's visit October 4-5, 2012, Louisiana State University, Baton Rouge, LA, USA.
- 2011 – 2012 Member, Technology Committee, College of Education, Louisiana State University, Baton Rouge, LA, USA.
- 2010 – 2012 Member, Committee chartered to develop an informative and user friendly Website for the College of Education. College of Education, Louisiana State University, Baton Rouge, LA, USA.
- 2009 – 2012 LSU Technology Associate, Representative of the Department of Kinesiology, Information Technology Services, Louisiana State University, Baton Rouge, LA.
- 2009 – 2012 Governor, Board of Governors, Faculty Club Inc., Louisiana State University, Baton Rouge, LA, USA.
- 2011 Member, Kinesiology Chair search committee, Department of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2009 – 2010 Member, Committee chartered to start a Continued Education Workshop for direct care providers of Alzheimer's disease patients (fulfilling State requirements as result of Louisiana Legislative Act 571) as part of a partnership between Alzheimer's Services Baton Rouge, LSU Continued Education, and Life Course and Aging Center, Louisiana State University, Baton Rouge, LA, USA.
- 2008 – 2010 Member, Technology Committee, College of Education, Louisiana State University, Baton Rouge, LA, USA.
- 2010 Member, Student Poster Program Committee, Annual Community Partners Meeting and 7<sup>th</sup> Annual Student Symposium, Life Course and Aging Center, Louisiana State University, Baton Rouge, LA, USA.
- 2010 Member, Life Course and Aging Center graduate enhancement award committee.
- 2009 Member, Student Poster Program Committee, Annual Community Partners Meeting and 6<sup>th</sup> Annual Student Symposium, Life Course and Aging Center, Louisiana State University, Baton Rouge, LA, USA.
- 2008 – 2009 Member, Motor Behavior search committee, Department of Kinesiology, Louisiana State University, Baton Rouge, LA, USA.
- 2007 Judge, Annual Student Symposium of 2007 on Research in Interdisciplinary Science and Engineering (RISE'07), Memorial Union, Arizona State University, October 4, Tempe, Arizona, USA.
- 2006 Judge, The 7<sup>th</sup> annual Graduates in the Earth, Life, and Social Sciences research symposium, Old Main, Arizona State University, February 17, Tempe, Arizona, USA.
- 2005 Member, Neuroscript Launch pad panel, Arizona State University Technopolis, January 19, Tempe, Arizona, USA.
- 2002 Judge, The 2002 Graduates in the Earth, Life, and Science research symposium, Old Main, Arizona State University, February 15, Tempe, Arizona, USA.
- 1988 – 1991 Board member, Faculty Union for Psychology Students (De Psychologenbond), University of Nijmegen, Nijmegen, The Netherlands.

- 1988 – 1990 Representative of the Faculty Union for Psychology Students in the consultative body of all Faculty Unions in Nijmegen, Nijmegen, The Netherlands.
- 1990 – 1991 Student member, The Library board of the Faculty of Social Sciences, University of Nijmegen, Nijmegen, The Netherlands.
- 1989 – 1990 Student member, The Library board of the department of Psychology, University of Nijmegen, Nijmegen, The Netherlands.

## **COMMUNITY INVOLVEMENT**

- 2017 Judge, The State Science and Engineering Fair (Senior Division), March 22, 2017, Baton Rouge, Louisiana, USA.
- 2017 Judge, The Region VII Science and Engineering Fair (Senior Division), January 25, 2017, Baton Rouge, Louisiana, USA.
- 2009 - 2017 Irregularly present at the local Parkinson's disease support group meetings (several times a year), Baton Rouge, Louisiana, USA.
- 2016 Mentor, Science Research Mentorship (SRM) program, Kenilworth Science and Technology Charter School, Baton Rouge, Louisiana, USA.
- 2016 Volunteer, Red Cross, Keltic Studio's & River Center Temporary Shelter, Baton Rouge 8/16 Flood Disaster, Baton Rouge, Louisiana, USA.
- 2016 Judge, The Region VII Science and Engineering Fair (Senior Division), February 24, 2016, Baton Rouge, Louisiana, USA.
- 2015 Judge, The State Science and Engineering Fair (Senior Division), March 25, 2015, Baton Rouge, Louisiana, USA.
- 2015 Judge, The Region VII Science and Engineering Fair (Senior Division), February 25, 2015, Baton Rouge, Louisiana, USA.
- 2014 Member, Organizing committee: *The Triumph of the Human Spirit, from Auschwitz to Forgiveness: An Evening with Eva Kor; Holocaust and Mengele Twin Experiment Survivor*. Pennington Biomedical Center, C.B. Pennington Auditorium, March 20, 2014, Baton Rouge, Louisiana, USA.
- 2013 Judge, The State Science and Engineering Fair (Senior Division), March 27, 2013, Baton Rouge, Louisiana, USA.
- 2013 Judge, The Region VII Science and Engineering Fair (Senior Division), February 20, 2013, Baton Rouge, Louisiana, USA.
- 2012 Judge, The State Science and Engineering Fair (Junior Division), March 26, 2012, Baton Rouge, Louisiana, USA.
- 2012 Judge, The Region VII Science and Engineering Fair (Senior Division), February 15, 2012, Baton Rouge, Louisiana, USA.
- 2011 Judge, The Louisiana Science & Engineering State Fair (Junior Division), March 23, 2011, Baton Rouge, Louisiana, USA.
- 2011 Judge, The Region VII Louisiana Science & Engineering Fair (Senior Division), February 23, 2011, Baton Rouge, Louisiana, USA.

- 2011 Instructor, *“Improving Movement as You Age”*. Lagniappe Studies Unlimited Chapter, Osher Lifelong Learning Institute at Louisiana State University, Continuing Education For Learners 50 and Over. January 24 – March 2, 2011.
- 2010 Instructor, *“Improving Movement as You Age”*. Lagniappe Studies Unlimited Chapter, Osher Lifelong Learning Institute at Louisiana State University, Continuing Education For Learners 50 and Over. September 20 – October 27, 2010.
- 2010 Judge, The Louisiana Science & Engineering State Fair (Senior Division), March 30, 2010, Baton Rouge, Louisiana, USA.
- 2010 Judge, The Louisiana Science & Engineering Region VII Fair (Junior Division), February 28, 2010, Baton Rouge, Louisiana, USA.
- 2009 Judge, The Louisiana Science & Engineering State Fair, Carl Maddox Fieldhouse, Louisiana State University, April 20, 2009, Baton Rouge, Louisiana, USA.
- 2007 – 2008 Exhibitor, Research conducted in the Motor Control Laboratory at ASU at the Health Fair of Annual “Walk the Fight” Walk-A-Thon for Parkinson’s disease, Tempe, Arizona.
- 2006 – 2008 Exhibitor, Research and representative of the Motor Control Laboratory at ASU at the Morris K. Udall Symposium, Glendale, Arizona.
- 2006 – 2008 Exhibitor, Research and representative of the Motor Control Laboratory at ASU at the Morris K. Udall Symposium, Mesa, Arizona.
- 1999 – 2008 Present at local Parkinson’s disease support group meetings (several times a year), Phoenix Metro Area.

**PROFESSIONAL AFFILIATIONS (current)**

American Psychological Association (APA), 1991-  
(student-member 1991-1998; regular member since 1998)

Division Membership:

Experimental Psychology (Division 3),  
Adult Development and Aging (Division 20),  
Rehabilitation Psychology (Division 22).

International Graphonomic Society (IGS), 1993-  
(student-member 1993-1997; regular member since 1997)

Secretary, 2013-2017

President, 2011-2013

President-elect, 2009-2011

Advisory Council Member, 2008-2009

Treasurer, 2005-2007

Secretary-Treasurer, 2001-2005

North American Society for the Psychology of Sport and Physical Activity (NASPSA), 2009-  
Psychonomic Society (PsyS), 2016-

Fellow, 2016-present

Society for Neuroscience (SfN), 1998-

**TEACHING and Related Activities (in USA)**

Louisiana State University, Baton Rouge, LA, USA:

Graduate Coordinator (2015-present): Graduate Certificate in Life Span Studies, Life Course and Aging Center. Multi-disciplinary certificate program: School of Kinesiology, School of Social Work, Department of Psychology, and Department of Communication Science and Disorders.

Lead proposal member (2014-2015): Graduate Certificate in Life Span Studies, a certificate program aimed to enhance knowledge through an interdisciplinary distribution of courses in the fields of Communication Science and Disorders, Kinesiology, Psychology, and Child and Family Studies.

Proposed new undergraduate course: KIN 4502 Imaging Techniques in Research, this is a collaborative hybrid course with internship, laboratory, and seminar components. The course was taught to 9 students (are included in the KIN 4900 total enrollment numbers below) as an independent study course in the Spring of 2017, the course was approved to be taught as regular course the Undergraduate Kinesiology program for its inaugural class for the Spring 2018.

KIN 3513 Introduction to Motor Learning, (Fall 2008; Spring, Fall 2009; Spring, Summer, Fall 2010; Spring, Summer, Fall, 2011; Spring, Summer, Fall 2012; Spring, Summer, Fall 2013; Spring, Summer, Fall 2014; Spring, Summer, Fall 2015; Spring, Summer, Fall 2016; Spring, Summer, Fall 2017) School of Kinesiology.

HNRS 3992 Honors thesis research program, (Spring 2012, 1 student) School of Kinesiology.

HNRS 4000 Honors thesis research program, (Fall 2013, Spring 2014, Fall 2014, Spring 2015, Spring 2016, Fall 2017, 5 total student-enrollment) School of Kinesiology.

KIN 4900 Independent study program, (Spring 2010 – Fall 2017, Spring/Fall semester, 42 total student-enrollment) School of Kinesiology.

KIN 7510 Motor Learning, (Spring 2010; Spring 2012; Spring 2014; Spring 2016) School of Kinesiology.

KIN 7523 Theories of Skill Acquisition, (Spring 2011) Department of Kinesiology.

KIN 7532 Advanced Topics in Motor Learning (Spring, 2013; Spring 2015; Topics: Motor development and learning; Dynamics of Skill Acquisition) School of Kinesiology.

KIN 7503 Dimensions of Aging, (Guest-lecture: Motor Control and Aging; Fall 2010) Department of Kinesiology.

KIN 8900 Independent study program, (Fall 2010; Fall 2011; Spring, Fall 2012; Fall 2013; Spring 2014; Fall 2017; 6 total student-enrollment) School of Kinesiology.

Arizona State University, Tempe, AZ, USA:

KIN 494 Laboratory course: Motor Behavior, Exercise Physiology, and Biomechanics (Coordinator Spring 2008), Department of Kinesiology.

ASU 101 The ASU experience (Fall 2007), College of Liberal Arts and Sciences.

KIN 345 Motor and Developmental Learning (Winter 2007), Department of Kinesiology.

- KIN 345 Motor and Developmental Learning (Guest-lecture: Parkinson's disease; Summer 2004, Fall 2004, Fall 2005, Winter 2005, Spring 2006; Fall 2007), Department of Kinesiology.
- KIN 421 Human Motor Control (Fall 2003), Department of Kinesiology.
- KIN 494 Human Motor Control (Spring 2003), Department of Kinesiology.
- KIN 590 Reading and Conference (Team teaching, responsible for classes: Sampling Theory, and Data Processing; Substitute class for students who registered for KIN 510 Introduction to Biomechanics Research Methods and KIN 610 Advanced Topics in Biomechanics; Spring 2005), Department of Kinesiology.
- BME 598 Human Systems Neuroscience (Guest-lecture: Pathologies of hand control; Fall 2006, Spring 2008), Harrington Department of Bioengineering.
- EPE 494 Intermediate Motor Control (Spring 2000), Department of Exercise Science and Physical Education.
- EPE 621 Tutorials in Motor Control (Co-teaching with Prof. George E. Stelmach; Fall 1999), Department of Exercise Science and Physical Education.

#### **UNDERGRADUATE RESEARCH MENTOR**

- |                             |   |
|-----------------------------|---|
| Fall, 2017 – present        | Madison Hopper (LSU, Honors program).   |
| Fall, 2017 – present        | Rachael Hunter (LSU, Federal College Work Study Program (CWSP)).  |
| Fall, 2017 – present        | Mallik Matthews (LSU, Initiative for Maximizing Student Diversity in Biomedical research funded by the National Institute of Health).   |
| Summer, 2017 – Present      | Briasha Jones, Jessica Usand (LSU, Initiative for Maximizing Student Diversity in Biomedical research funded by the National Institute of Health).                                |
| April 4, 2017               | Rachel Herr, Haley Englade, Caroline Schneider (Annual LSU Discover Research Day; students present their own research project, 2 poster presentations).                           |
| April 7, 2016               | Jasmine Abdalla, Audrey Demand, Collette Tilly (Annual LSU Discover Research Day; student present their own research project, 2 posters and 1 verbal presentation, respectively). |
| Summer, 2015 – May, 2016    | Collette Tilly (LSU, Honors program)  |
| March 19, 2015              | Sarah Odom (Annual LSU Discover Research Day; student presented her own research poster).   |
| Fall, 2014 – Spring, 2015   | A. Taylor Moss (LSU, Honors program)  |
| Fall, 2013 – Fall, 2014     | Kristina Hickey (LSU, Initiative for Maximizing Student Diversity in Biomedical research funded by the National Institute of Health).   |
| March 10, 2014              | Sarah Odom, Kristina Hickey, Angelo Sayo (First Annual Discover Research Day, LSU Quality Enhancement Plan; each student presented their own research poster).                    |
| Spring, 2012 – Spring, 2014 | Angelo Sayo (LSU, Chancellor's Future Research program, Honors program)   |
| Spring, 2012                | Cailidh Pedersen (LSU, Honors program)  |

Fall, 2010 – Spring, 2011	Ryan Vickers (LSU, Chancellor's Future Research program)
Spring, 2009 – Fall, 2010	Brian T. Callihan (LSU, Work student program (partly), project: <i>The effects of Parkinson's disease on learning a cued point-to-point movement sequence</i> )
Fall, 2008 – Spring, 2009	Jason Arbour (LSU work student program, project: <i>Setting up the Fine Motor Control and Learning Laboratory</i> )
Fall, 2006 – Winter, 2006	Deidre Greyeyes (ASU, KIN 484, Internship Program)
Fall, 2004 – Spring, 2005	Beth Barduson (ASU, KIN 484, Internship Program, project: <i>The movement structure during goal-directed movements of the left and right arm</i> )
Spring 2004	Bazgha Ahmad, Kathleen Holmes (ASU, KIN 484, Internship Program)

### GRADUATE COMMITTEE CHAIR (Ph.D.)

Addison, Reuben (Ph.D student, 2017 – present), **committee co-chair**. School of Kinesiology, Louisiana State University.

Acharya, Prasanna (Ph.D student, 2017 – present), **committee chair**. School of Kinesiology, Louisiana State University.

Mora, Erika (Ph.D student, 2017 – present), **committee chair**. School of Kinesiology, Louisiana State University.

Aisner, Tyler (Ph.D student, 2015 – present), **committee chair**. School of Kinesiology, Louisiana State University.

Aiken, Christopher (Ph.D Graduated, 2015; 2011 – 2015), **committee chair**. School of Kinesiology, Louisiana State University.

Pan, Zhujun (Ph.D Graduated, 2014; 2009 – 2014), **committee chair**. School of Kinesiology, Louisiana State University.

### GRADUATE COMMITTEE CHAIR (M.Sc.)

Villa, Lauren (M.Sc. Graduated 2013; 2011 – 2013), **committee chair**. School of Kinesiology, Louisiana State University.

### GRADUATE COMMITTEE MEMBER (Ph.D.)

Boudreaux-Johnson, Marcy (Ph.D Graduated 2015; 2014 – 2015), **committee member (Dean's representative)**. *An Evaluation of Close Reading for Fourth Grade Students Receiving Tier 2 Responsiveness to Intervention Services*. Curriculum & Instruction, School of Education, Louisiana State University.

Eschete, Cathy (Ph.D Graduated 2015; 2014 - 2015), **committee member (Dean's representative)**. *Engagement Levels During Implementation of Co-Teaching Models*. Curriculum & Instruction, School of Education, Louisiana State University.

- Varnado, Chantelle (Ph.D Graduated, 2015; 2013 – 2015), **committee member**. *Treatment Efficacy of Manual Therapy on Speech Outcomes in Children with Spastic Cerebral Palsy: A Single-Subject Experimental Design*. Department of Communication Sciences and Disorders, Louisiana State University.
- Zhang, Shuqi (Ph.D Graduated, 2014; 2012 – 2014), **committee member**. *The effects of peripheral nerve impairments on postural control and mobility among people with peripheral neuropathy*. School of Kinesiology, Louisiana State University.
- Minor, Lisa (Ph.D Graduated 2013; 2009 – 2013), **committee member (Dean's representative)**. *Generalizability and Dependability of Brief Behavior Rating Scales for Social Skills*. Department of School Psychology, Louisiana State University.
- Crutchfield, Jandel (Ph.D Graduated 2013; 2011 – 2013), **committee member (Dean's representative)**. *The Louisiana Recovery School District's long term relationship to student dropout and achievement*. School of Social Work, Louisiana State University.
- Horovitz, Max (Ph.D. Graduated 2013; 2011 – 2013), **committee member (Dean's representative)**. *The Baby and Infant Screen for Children with aUtism Traits: Age-based Scoring Procedures*. Department of Psychology, Louisiana State University.
- Bird, Carolyne L. (Ph.D Graduated 2012; 2012), **external thesis examiner**. *Investigation of Forensic Handwriting Examiners' Skill in Detecting Unnatural Handwriting Processes*. School of Human Biosciences, La Trobe University, Australia.
- Mohammed, Linton A. (Ph.D Graduated 2012; 2011 - 2012), **external thesis examiner**. *Elucidating dynamic features to discriminate between signature disguise and signature forgery behavior*. School of Human Biosciences, La Trobe University, Australia.
- Caro, Cary A. (Ph.D Graduated 2010; 2010), **committee member (Dean's representative)**. *Educational Effectiveness of Training Programs for Employees of a Louisiana State Agency*. School of Human Resource Education and Workforce Development, Louisiana State University.
- Yank, Jane (Ph.D Graduated 2010; 2005 – 2010), **committee member (external)**. *Handwriting movements in a pursuit loop-drawing task*, Department of Kinesiology, University of Minnesota.
- Afifi, Mostafa (Ph.D Graduated 2009; 2006 – 2009), **committee member**. *Predicting knee valgus during landing from a jump from that experienced during takeoff and squatting and hip internal and external rotator strength in fatigued and non-fatigued conditions*, Department of Kinesiology, Arizona State University.
- Romero, Diana H. (Ph.D. Graduated 2003), **ad-hoc committee member**. *Control of the eye and hand systems in goal-directed pointing*, Department of Kinesiology, Arizona State University.

#### **GRADUATE COMMITTEE MEMBER (M.Sc.)**

- Amedee, Ariel (M.Sc. Graduated 2016; 2016), **committee member**. Non-thesis option masters-program. School of Kinesiology, Louisiana State University.
- McCurley, Caitlin (M.Sc. Graduated 2016; 2016), **committee member**. Non-thesis option masters-program. School of Kinesiology, Louisiana State University.

- Reusch, Kevin (M.Sc. Graduated 2014; 2014), **committee member**. Non-thesis option masters-program. School of Kinesiology, Louisiana State University.
- Soebbing, Chelsea (M.Sc. Graduated 2014; 2013 - 2014), **committee member**. *Can Gravitational Influences Explain Endpoint Precision between Visual Conditions?* School of Kinesiology, Louisiana State University.
- Fish, Chase (M.Sc. Graduated 2013; 2013), **committee member**. Non-thesis option masters-program. School of Kinesiology, Louisiana State University.
- Hegwood, Mia (M.Sc. Graduated 2013; 2013), **committee member**. Non-thesis option masters-program. School of Kinesiology, Louisiana State University.
- Rose, Kyle (M.Sc. Graduated 2012; 2012), **committee member**. Non-thesis option masters-program. School of Kinesiology, Louisiana State University.
- Prejean, Patti (M.Sc. Graduated 2012; 2012), **committee member**. Non-thesis option masters-program. Department of Kinesiology, Louisiana State University.
- Smith, Keithon (M.Sc. Graduated 2011; 2011), **committee member**. Non-thesis option masters-program. Department of Kinesiology, Louisiana State University.
- Godawa, Travis M. (M.Sc. Graduated 2011; 2011), **committee member**. *Comparing the Effects of Ten Weeks of Equipped vs. Non-equipped Training on Performance in Collegiate Powerlifters*. Department of Kinesiology, Louisiana State University.
- Imlay, Gregory J. (M.S. Graduated 2003; 2001 – 2003), **committee member**. *Isometric index finger force production in Parkinsonism and non-neurologically impaired individuals*. Department of Kinesiology, Arizona State University.