

## Vitae

### Jane E. Clark

Professor & Chair, Department of Kinesiology, College of Health and Human Performance,  
University of Maryland, College Park, MD 20742-2611

#### **ACADEMIC BACKGROUND**

Ph.D.	University of Wisconsin-Madison Kinesiology: Motor Development	1976
M.Ed.	University of Washington, Seattle Physical Education/Kinesiology	1970
B.S.P.E.	State University of New York, Brockport Health & Physical Education	1968

#### **HONORS AND CITATIONS**

- 2006-07 University of Maryland Undergraduate Research Mentor of the Year
- 2007 Alliance Scholar, AAHPERD
- 2004-05 Philip Merrill Presidential Scholar Mentor (to Annie Wong)
- 1999 NASPSPA President's Award
- 1999 NASPSPA Senior Scholar Lecturer
- 1999 Illinois State University Physical Education Scholar Lecturer
- 1999 Jerry P. Wrenn Outstanding Service Award, College of HHP
- 1995 McCloy Lecturer, AAHPERD Research Consortium
- 1995 EDA Scholar, Eastern District Association of AAHPERD
- 1994 Slaughter Lecturer, University of Virginia, Charlottesville
- 1994 D'Agostino Lecturer, Distinguished Alumni, SUNY- Brockport
- 1993 Distinguished Service Award, Research Consortium, AAHPERD
- 1993 Elected Fellow, American Academy of Kinesiology and Physical Education
- 1988 Outstanding Teacher - College Division, American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD), Eastern Division
- 1985 Fellow, Research Consortium, American Alliance for Health, Physical Education, Recreation and Dance
- 1977 Old Gold Summer Fellowship (University of Iowa)
- 1973-75 Marie L. Carns Fellowship (University of Wisconsin)
- 1968 B.S. - cum laude

#### **PROFESSIONAL WORK EXPERIENCE**

2000- present	Chair, Department of Kinesiology, University of Maryland, College Park
1994- present	Professor, Department of Kinesiology, Affiliate Faculty in Neuroscience and Cognitive Sciences Program, University of Maryland, College Park
1987 - 1994	Associate Professor, Department of Kinesiology, University of Maryland, College Park

	Park
1992 (Spring term)	Visiting Associate Professor, Department of Physical Education & Dance, University of Wisconsin -Madison
1981 - 1987	Assistant Professor, Department of Physical Education, University of Maryland, College Park
1978 - 1981	Assistant Professor, Division of Health and Physical Education, University of Pittsburgh, Pittsburgh, PA
1976 - 1978	Assistant Professor, Department of Physical Education, University of Iowa, Iowa City
1975 - 1976	Teaching Assistant/Research Assistant, Department of Physical Education, University of Wisconsin, Madison
1973 - 1975	Marie L. Carns Fellow, University of Wisconsin, Madison
1970 - 1973	Instructor, Department of Physical Education, Purdue University, W. Lafayette, Indiana
1968 - 1970	Teaching Assistant, Department of Physical Education, University of Washington, Seattle

### **SCHOLARLY ACTIVITIES:**

#### Books Edited:

1. Kelso, J.A.S., & **Clark, J.E.** (Eds.) (1982). *The Development of Movement Control and Coordination*. New York: John Wiley.
2. **Clark, J.E.**, & Humphrey, J.H. (Eds.) (1985) *Motor Development: Current Selected Research*. Princeton, N.J.: Princeton Book.
3. **Clark, J.E.**, & Humphrey, J.H. (Eds.) (1987). *Advances in Motor Development Research* (Vol.I). New York: AMS Press.
4. **Clark, J.E.**, & Humphrey, J.H. (Eds.) (1988) *Advances in Motor Development Research* (Vol.II). New York: AMS Press.
5. **Clark, J.E.**, & Humphrey, J.H. (Eds.) (1990). *Advances in Motor Development Research* (Vol. III). New York: AMS Press.
6. **Clark, J.E.**, & Humphrey, J.H. (Eds.) (1997). *Motor Development: Research and Reviews* (Vol. I). Reston Va: NASPE Publications.
7. **Clark, J.E.**, & Humphrey, J.H. (Eds.) (2002). *Motor Development: Research and Reviews* (Vol. II). Reston Va: NASPE Publications.

#### Book Chapters (\*designates refereed publication; + designates invited publication)

1. +**Clark, J.E.** (1978). Memory processes in the early acquisition of motor skills. In M. Ridenour (Ed.), *Motor Development: Issues and Applications*. Princeton, NJ: Princeton Book Company.
2. +**Clark, J.E.** (1982). The role of response mechanisms in motor skill development. In J.A.S. Kelso & J.E. Clark (Eds.), *The Development of Movement Control and Coordination*. London: John Wiley.
3. Phillips, S.J., & **Clark, J.E.** (1984). An integrative approach to teaching kinesiology: A lifespan approach. In R. Shapiro & J.R. Marett (Eds.), *Second National Conference on Teaching Kinesiology and Biomechanics in Sports*.
4. +**Clark, J.E.** (1986). The perception-action perspective: A Commentary on von Hofsten. In M.G. Wade & H.T.A. Whiting (Eds.), *Motor Development in Children: Aspects of Coordination and Control*. Dordrecht, The Netherlands: Martinus Nijhoff Publishers.
5. +**Clark, J.E.** (1988). Development of voluntary skilled movement. In E. Meisami & P.S. Timiras (Eds.), *Handbook of Human Growth and Developmental Biology* (vol.I, Part B, pp. 237-250) Boca Raton, FL: CRC

- Press
6. +**Clark, J.E.**, & Whittall, J. (1989). Changing patterns of locomotion: From walking to skipping. In M. Woollacott & A. Shumway-Cook (Eds.), *Development of posture and gait across the lifespan* (pp. 128-151). Columbia, SC: University of South Carolina Press.
  7. +**Clark, J.E.**, Truly, T.L., & Phillips, S.J. (1990). A dynamical systems approach to understanding the development of lower limb coordination in locomotion. In H. Bloch & B. Bertenthal (Eds.), *Sensory-motor organizations and development in infancy and early childhood* (pp. 363-378). Dordrecht: Kluwer Academic.
  8. +**Clark, J.E.**, & Phillips, S.J. (1991). The development of intralimb coordination in the first six months of walking. In J.Fagard & P. Wolff (Eds.), *The development of timing control and temporal organization in coordinated action*(pp. 245-257). Amsterdam: Elsevier Science Publishers.
  9. \***Clark, J.E.**, & Phillips, S.J. (1992). A dynamical systems approach to the development of intralimb coordination in the first year of walking. In M.H. Woollacott & F. Horak (Eds.), *Posture and Gait: Control Mechanisms* (Vol. II, pp. 350-353). Eugene, OR: University of Oregon Books.
  10. \*Whittall, J., Block, M.E., & **Clark, J.E.** (1992). The development of walking: Interlimb coordination as coupled limit cycle systems. In M.H. Woollacott & F. Horak (Eds.), *Posture and Gait: Control Mechanisms* (Vol II, pp.315-318). Eugene, OR: University of Oregon Books.
  11. \*+Forrester, L.F., Phillips,S.J., & **Clark, J.E.** (1993). Locomotor coordination in infancy: The transition from walking to running. In G.J.P. Savelsbergh (Ed.), *The development of coordination in infancy* (pp. 359-393). Amsterdam: Advances in Psychology Series, North Holland.
  12. +**Clark, J.E.**, Truly, T.L., & Phillips, S.J. (1993). On the development of walking as a limit cycle system. In E. Thelen & L. Smith (Eds.), *Dynamical systems in development: Application*(pp.71-93). Cambridge: MIT Press.
  13. \*+Whittall, J., & **Clark, J.E.** (1994). The development of bipedal interlimb coordination. In S.P. Swinnen, H. Heuer, J. Massion, & P. Casaer (Eds.), *Interlimb coordination: Neural, dynamical , and cognitive constraints*. NY: Academic Press.
  14. +**Clark, J.E.** (1994) Motor development. In V.S. Ramachandran (Ed.), *Encyclopedia of Human Behavior* (Vol. 3, pp. 245-255). NY: Academic Press.
  15. +**Clark, J.E.** (1995). Dynamical systems perspective on gait. In R.L. Craik & C.A. Oatis (Eds.), *Gait analysis: Theory and application*. (pp. 79-86). St.Louis, MO: C.V. Mosby.
  16. +**Clark, J.E.** (1995). Dynamical systems perspective. In R.L. Craik & C.A. Oatis (Eds.), *Gait analysis: Theory and application*. (pp. 25-27). St.Louis, MO: C.V. Mosby.
  17. \*+**Clark, J.E.** (1997). A dynamical systems perspective on the development of complex adaptive skill. In C. Dent-Read & P. Zukow-Goldring (Eds.),*Evolving explanations of development: Ecological approaches to organism-environment systems* (pp. 383-406). Washington, DC: APA Publications.
  18. +**Clark, J.E.** (2001). Infancy. In Patrick, K., Spear, B., Holt, K., & Sofka, D. Eds., *Bright Futures in Practice: Physical Activity*.(pp.19-30) Arlington, VA: National Center for Education in Maternal and Child Health.
  19. +**Clark, J.E.** (2001). Developmental Coordination Disorder. In Patrick, K., Spear, B., Holt, K., & Sofka, D. Eds., *Bright Futures in Practice: Physical Activity*. (pp.102-107). Arlington, VA: National Center for Education in Maternal and Child Health.
  20. Metcalfe, J.S., Chen, L.C., Kopp, M.A., Jeka, J.J., & **Clark, J.E.** (2001). Beyond postural sway reduction: Do newly walking infants couple to a driving somatosensory stimulus? In J. van der Kamp, A. Ledebt, G. Savelsvergh, & E. Thelen (Eds.), *Advances in motor development and learning in infancy*. Amsterdam, NL: Research Institute for Fundamental and Clinical Human Movement Sciences.
  21. **Clark, J.E.**, & Metcalfe, J.S. (2002). The mountain of motor development: A metaphor. In J.E. Clark & J.H. Humphrey (Eds.), *Motor Development: Research & Reviews, Vol. 2*. pp. 163-190. Reston, VA: NASPE.
  22. **Clark, J.E.** (2005). Development of locomotion. In Hopkins, B. *The Cambridge Encyclopedia of Child Development*. Cambridge: Cambridge University Press.

23. Chen, L-C., & **Clark, J.E.** (in press). Growth and motor development during infancy. In G. Payne & P.Geng (Eds.), *Introduction to Human Motor Development*. Beijing, China: People's Education Press of Beijing.
24. Bo, J., & **Clark, J.E.** (in press). Fine motor skill development in infants and children. In G. Payne & P.Geng (Eds.), *Introduction to Human Motor Development*. Beijing, China: People's Education Press of Beijing.

Research Publications: (\*designates refereed publication; + designates invited publication; after 1990, senior authorship is either first OR last in author order)

1. \***Clark, J.E.** (1978). Compatibility and complexity in response decision processing. *Psychology of Motor Behavior and Sport*, 174-181.
2. \***Clark, J.E.**, Stamm, C.L., & Urquia, M.G. (1978). Developmental variability: The issue of reliability. *Psychology of Motor Behavior and Sport*, 251-257.
3. \***Clark, J.E.**, & Moore, J.E. (1981). Young children's ability to use precued information to select and maintain a response. *Perceptual and Motor Skills*, 52, 655-658.
4. \***Clark, J.E.** (1982). Developmental differences in response processing. *Journal of Motor Behavior*, 14, 247-254.
5. \***Clark, J.E.**, & Watkins, D. (1984). Static balance in young children. *Child Development*, 55, 854-857.
6. \***Clark, J.E.**, & Phillips, S.J. (1985). Validating a developmental sequence for the standing long jump. *Motor Development: Current Selected Research*, 1, 73-85.
7. \*Phillips, S.J., **Clark, J.E.**, & Petersen, R.D. (1985). Developmental differences in standing long jump takeoff parameters. *Journal of Human Movement Studies*, 11, 75-87.
8. +**Clark, J.E.** (1985). Movement Skill Development. *Adapted Physical Activity Quarterly*, 2, 353-355.
9. \***Clark, J.E.** (1987). Age-related differences in programming a movement. *Advances in Motor Development Research*, 1, 95-104.
10. \*Phillips, S.J., & **Clark, J.E.** (1987). Infants' first unassisted walking steps: Relationships to speed. *Biomechanics X-A*, 425-428.
11. \*DiRocco, P.J., **Clark, J.E.**, & Phillips, S.J. (1987). Jumping patterns of mentally retarded children. *Adapted Physical Activity Quarterly*, 4, 178-191.
12. \***Clark, J.E.**, & Phillips, S.J. (1987). The step cycle organization of infant walkers. *Journal of Motor Behavior*, 19, 421-433.
13. \***Clark, J.E.**, & Phillips, S.J. (1987). An examination of the contributions of selected anthropometric factors to gender differences in motor skill development. *Advances in Motor Development Research*, 1, 171-178.
14. \***Clark, J.E.**, Lanphear, A., & Riddick, C. (1987). The effects of videogames on the response selection processing of the elderly. *Journal of Gerontology*, 42, 82-85.
15. \***Clark, J.E.**, Whittall, J., & Phillips, S.J. (1988). Human interlimb coordination: The first 6 months of independent walking. *Developmental Psychobiology*, 21, 445-456.
16. \*+**Clark, J.E.**, & Whittall, J. (1989). What is motor development: The lessons of history. *Quest*, 41, 183-202.
17. \*+**Clark, J.E.**, Phillips, S.J., & Petersen, R. (1989). Developmental stability in jumping. *Developmental Psychology*, 25, 929-935.
18. +**Clark, J.E.** (1990). Understanding Motor Development. *Pediatric Exercise Science*, 2, 281-282.
19. \*Caldwell, G.E., & **Clark, J.E.** (1990). The measurement of skill within the dynamical systems perspective. *Advances in Motor Development Research*, 3, 165-200.
20. \*Haller, C.F., & **Clark, J.E.** (1990). Effects of occluding a ball's trajectory on the interception performance of adults and children. *Advances in Motor Development Research*, 3, 80-90.
21. \*Lanphear, A.K., Whittall, J., Overby, L.Y., Tyler, R.W., & **Clark, J.E.** (1991). Comparison of four types of feedback on the golf putting task performance of novice adults. *Journal of Human Movement Studies*,

- 21, 201-215.
22. \*+**Clark, J.E.**, & Phillips, S.J. (1993). A longitudinal study of intralimb coordination in the first year of independent walking: A dynamical systems analysis. *Child Development*, *64*, 1143-1157.
  23. \*Jensen, J.L., Phillips, S.J., & **Clark, J.E.** (1994). For young jumpers, differences are in the movement's control not its coordination. *Research Quarterly for Exercise and Sport*, *65*, 258-268.
  24. \*+**Clark, J.E.** (1995). On becoming skillful: Patterns and constraints. *Research Quarterly for Exercise and Sport*, *66*, 173-183.
  25. \*Phillips, S.J., & **Clark, J.E.** (1997). Temporal coordination and control in the development of the standing long jump. *Motor Development: Research and Reviews*, *1*, 99-121.
  26. +**Clark, J.E.** (1998). Learning in the development of infant locomotion. *American Journal of Human Biology*, *10*, 807-810.
  27. \*Barela, J.A., Jeka, J.J., & **Clark, J.E.** (1999). The use of somatosensory information during the acquisition of independent upright stance. *Infant behavior & development*, *22*, 89-104.
  28. \*Barela, J.A., Whittall, J., Black, P., & **Clark, J.E.** (2000). Can intralimb coordination in hemiplegic gait be explained by speed and mechanical constraints? *Human Movement Science*, *19*, 251-273.
  29. \*Metcalf, J.S., & **Clark, J.E.** (2000). Sensory information affords exploration of posture in newly walking infants and toddlers. *Infant Behavior & Development*, *23*, 391-405.
  30. +**Clark, J.E.** (2002). Stepping into a new paradigm with an old reflex. A commentary on "The relationship between physical growth and a newborn reflex" by Esther Thelen, Donna A. Fisher, and Robyn Ridley-Johnson. *Infant Behavior & Development*, *128*, 1-3
  31. \*Barela, J.A., Black, P., Whittall, J., Getchell, N., & **Clark, J.E.** (2002). Hemiplegic intralimb coordination: A dynamical systems analysis. *Brazilian Journal of Biomechanics*, *3(4)*, 5-14.
  32. +**Clark, J.E.** (2003). The changing role of mentoring the future professorate with special attention to being a low-consensus discipline. *Quest*, *55*, 51-61.
  33. \*Barela, J.A., Jeka, J.J., & **Clark, J.E.** (2003). Postural Control In Children: Coupling to Dynamics Somatosensory Information. *Experimental Brain Research*, *150*, 434-442.
  34. \*Kagerer, F.A., Bo, J., Contreras-Vidal, J.L., & **Clark, J.E.** (2003). Visuomotor adaptation in children with Developmental Coordination Disorder. *Proceedings of the International Graphonomics Society*, 59-62.
  35. \*Kagerer, F., Bo, J., Contreras-Vidal, J.L., & **Clark, J.E.** (2004). Visuomotor adaptation in children with Developmental Coordination Disorder. *Motor Control*, *8*, 450-460.
  36. \*Metcalf, J.S., Chen, L.-C., Chang, T.Y., McDowell, K., Jeka, J.J., & **Clark, J.E.** (2005). The changing temporal organization of posture across the first year of independent walking. *Experimental Brain Research*, *161*, 405-416
  37. \*Metcalf, J.S., McDowell, K., Chang, T.Y., Chen, L.-C., Jeka, J.J., & **Clark, J.E.** (2005). Development of somatosensory-motor integration: An event-related analysis of infant posture in the first year of independent walking. *Developmental Psychobiology*, *46*, 19-35.
  38. \*Contreras-Vidal, J.L., Bo, J., Boudreau, P., & **Clark, J.E.** (2005). Development of visuo-motor representations for hand movement in young children. *Experimental Brain Research*, *162*, 155-164.
  39. +**Clark, J.E.** (2005). From the beginning: A developmental perspective on movement and mobility. *Quest*, *57*, 37-45.
  40. \***Clark, J.E.**, Getchell, N., Smiley-Oyen, A.L., & Whittall, J. (2005). Developmental Coordination Disorder: Issues, Identification, and Intervention. *Journal of Physical Education, Recreation, and Dance*, *76(4)*, 49-53.
  41. \*Kagerer, F.A., Contreras-Vidal, J.L., Bo, J., & **Clark, J.E.** (2006). Abrupt, but not gradual visuo-motor distortion facilitates adaptation in children with Developmental Coordination Disorder. *Human Movement Science*, *25*, 622-633
  42. +**Clark, J.E.**, & Oliveira, M. A. (2006). Motor behavior as a scientific field: a view from the start of the 21st century. *Brazilian Journal of Motor Behavior*, *1*, 1-19.
  43. \*Bo, J., Contreras-Vidal, J.L., Kagerer, F.A., & **Clark, J.E.** (2006). Effects of increased complexity of visuomotor transformations on children's arm movements. *Human Movement Science*. *25*, 553-567.

44. \*Whitall, J., Getchell, N., McMenamin, S., Horn, C., Pabreja, P., Wilms-Floet, A., & **Clark, J.E.** (2006). Perception-action coupling in children with and without DCD: Frequency locking between task relevant auditory signals and motor responses in a dual motor task. *Child, Health and Development*, 32, 679-692.
45. \*Oliveira, M.A., Shim, J.K., Loss, J.F., Petersen, R.D.S. & **Clark, J.E.** (2006). Effect of kinetic redundancy on hand digit control in children with DCD. *Neuroscience Letters*, 410, 42-46.
46. \*Chen, L.-C., Metcalfe, J. S., Jeka, J. J., & **Clark, J. E.** (2007). Two steps forward and one back: Learning to walk affects infants' sitting posture. *Infant Behavior and Development*, 30, 16-25.
47. \*Shim, J.K, Oliveira, M.A., Hsu, J., & **Clark, J.E.** (2007). Hand digit control in children: I. Age-related changes and flexion-extension differences in digit interaction during MVC tasks. *Experimental Brain Research*, 176, 374-386.
48. +Thomas, J.R., **Clark, J.E.**, Feltz, D.L., Kretchmar, R.S., Morrow, J.R., Reeve, T.G., & Wade, M.G. (2007). The Academy promotes, unifies, and evaluates doctoral education in Kinesiology. *Quest*, 59, 161-181.
49. \*Bo, J. Bastian, A.J., Contreras-Vidal, J.L., Kagerer, F.A., & **Clark, J.E.** (under revision). Continuous and discontinuous drawing: High temporal variability exists only in discontinuous circling in young children. *Journal of Motor Behavior*.
50. \*Bair, W-N, Kiemel, T., Jeka, J.J. & **Clark, J.E.** (in press). Development of multisensory reweighting for posture control in children. *Experimental Brain Research*.
51. \*Chen, L-C, Metcalfe, J.M., Chang, T-Y., Jeka, J.J., & **Clark, J.E.** (under revision). The development of infant upright posture: Sway less or sway differently?
52. \*Oliveira, M.A., Li, Q., Hsu, J., Shim, J.K., & Clark, J.E. (under revision). Finger independency and visual control in children with DCD. *Human Movement Science*.

### **Research Funding**

#### Current:

***Adaptive sensorimotor control in children with DCD.*** National Institute for Child Health and Development (7/1/02-6/30/07). \$1,517,504 (PI) (1 RO1 HD042527)

***Development of sensorimotor integration in children.*** National Institute for Child Health and Development (4/1/06-3/31/08) \$140,805 (Co-investigator; Kagerer, PI)

#### Pending:

***IRADS Collaborative Research: Development of the Mirror Neuron System for Action Understanding.*** National Science Foundation (9/1/07- 8/30/12) \$3,469,456. (CoPI) (10%)

***HAL: A tool for assessing human action in the workplace*** National Institutes of Health(9/15/07- 9/14/2010) \$889,060 (CoPI)( 10%)

**Professional Presentations:** (\*designates refereed paper; +designates invited paper)

Over 200 research presentations made at state, national, and international scientific conferences.

#### **Recent Invited/Keynote Lectures (since 2000):**

+ Clark, J.E. (2007, February). Adaptive posture control in children with Developmental Coordination Disorder. Paper presented at the 7<sup>th</sup> International Conference on Children with Developmental Coordination Disorder, Melbourne, Australia.

+ Clark, J.E. (2007, February). On the development of adaptive complex motor skills. Paper presented at the 8<sup>th</sup> Motor Control and Human Skill Conference, Fremantle, Australia..

- +Clark, J.E. (2007, April) On the problem of motor skill development: A view from the start of the 21<sup>st</sup> century. Invited lecture, Michigan State University, E. Lansing, MI.
- +Clark, J.E. (2007, April) Sensorimotor adaptation in children with Developmental Coordination Disorder. Invited lecture, School of Kinesiology, University of Michigan, Ann Arbor, MI.
- +Clark, J.E. (2007, March). On the problem of motor skill development. AAHPERD Alliance Scholar Lecture given at the American Alliance for Health, Physical Education, Recreation, and Dance annual convention, Baltimore, MD.
- +Clark, J.E., (2006, March). Postural control in children with DCD. Lecture given to the Department of Exercise Science, University of South Carolina, Columbia.
- +Clark, J.E., (2006, March). Developmental Coordination Disorder (DCD): Characterizations, Issues, and Thoughts on Intervention. Lecture given to the Physical Therapists at the Department of Exercise Science and surrounding community, University of South Carolina, Columbia.
- +Clark, J.E. (2004, September). From the beginning: A developmental perspective on movement and mobility. Paper presented at the annual meeting of the American Academy for Kinesiology and Physical Education, Chicago, IL
- + Clark, J.E. (2002, September). Understanding motor behavior: With special focus on “what develops. Keynote lecture. III Seminario de Comportamento Motor, Gramado, Rio Grande da Sul, Brasil.
- +Clark, J.E. (2002, May). Understanding Motor Development: Focusing on “what develops”. The Gladys Garrett Biomechanics Lecture, Department of Exercise Science, University of Connecticut, Storrs.
- +Clark, J.E. (2001, March). What is posture development the development of? Paper presented at the CNRS, Marseille, France.
- +Clark, J.E. (2002, September). The changing nature of mentoring PhD students and new faculty. Paper presented at the annual meeting of the American Academy of Kinesiology and Physical Education, Tucson, AZ.
- +Clark, J.E. (2002, April). What develops as infants gain postural and locomotor control?. Invited talk, Action Laboratory, Department of Kinesiology, Penn State University.
- +Clark, J.E. (2001, May). From a static to dynamic pendular system: How do standing infants solve the problem of dynamic locomotion?. The First World Congress: Motor Development and Learning in Infancy, Amsterdam, The Netherlands.
- +Clark, J.E., & Whitall, J. (2000, December). On theories and evidence regarding the development of motor coordination and control. Keynote lecture at the Belgium Kinesiological Society, Antwerp, Belgium.
- +Clark, J.E. (2000, November). What develops when infants gain postural control?. Invited University of Delaware, Department of Exercise Science, Department Lecture Series

## **PROFESSIONAL PUBLIC SERVICE**

### Professional Organizations - Leadership Roles:

#### **1. American Alliance for Health, Physical Education, Recreation and Dance**

1999-2000	Chair, Alliance Scholar Selection Committee
1998-1999	Member, Alliance Scholar Selection Committee
1996	Member, President’s Committee to Review the EVP position
1994-97	<b>Representative</b> , Board of Governors, AAHPERD

#### **1.1 National Association for Sport and Physical Education (NASPE)**

1.1.1 1999- 2001	<b>Chair</b> , Task Force on Guidelines for Infant & Preschool Physical Activity ( <i>Active Start</i> )
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### 1.1.2 Motor Development Academy

1992-94	Member, Writing Project on <i>What is a Developmental Perspective?</i>
1990	Member, Nominations Committee
1988	Nominations Committee
1986	<b>Organizer</b> , Motor Development Academy's Conference, "On teaching undergraduate motor development."
1984-87	<b>Chair</b> (Elected).
1979-82	<b>Editor</b> , Motor Development Academy Newsletter.
1979-80	Member, First Executive Committee of Motor Development Academy
1977-78	Member, Ad Hoc Committee to draft proposal for Motor Development Academy.

### 1.1.3 College and University Physical Education Council

1990-91	Member, Quality Assurance in Teacher Education Committee
1983-85	Member, Task Force on NCATE Undergraduate Standards in Physical Education.

## 1.2 Research Consortium

2002-04, 2006-07	Member, Distinguished Lectures Committee
1997-2000	Member, AAHPERD Research Grants Committee
1995-97	Editor, <i>Physical Activity Today</i>
1996-97	Member, Distinguished Lecturer Committee
1995-96	Chair, McCloy Lecturer Selection Committee
1991-92	Chair, Nomination Committee
	Chair, Operating Guidelines Committee
	Chair, District Research Council
1990-91	<b>President</b> (Elected)
1986-88	<b>Secretary</b> (Elected)
1986-88	Chair, Credentials Committee
1986-88	Chair, Symposium Review Committee
1985-86	Member, Committee on Research for the Practitioner
1985	<b>Elected Fellow</b>
1984-86	Reviewer for papers presented at National Convention

## 1.3 American Association for Active Lifestyles and Fitness (AAALF)

1994	Member, Executive Director Search Committee
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## 2. North American Society for the Psychology of Sport and Physical Activity

2003-2006	Past President Liaison, Executive Committee
2001-2002	Chair, Motor Development Program Committee
2001-2002	Chair, Awards Committee
1999-2000	Member, Motor Development Program Committee
1997-98	Chair, Committee on Student Awards
1996-97	Chair, Motor Control/Learning Program

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| 1995-96 | Member, President's Futures Committee   |
| 1993-94 | Chair, Conference Program Committee   |
| 1992-93 | <b>President</b> (Elected)  |
| 1990-91 | Member, Annual Program Planning Committee for Motor Development   |
| 1989-90 | Chair, Annual Program Planning Committee for Motor Development  |
| 1988-89 | Member, President's Ad Hoc Committee  |
| 1985-86 | Member, Nomination Committee  |
| 1983-85 | <b>Publications Director</b> (Elected)  |
| 1983-84 | Member, Annual Conference Planning Committee for Motor Development<br>section in conjunction with Olympic Scientific Congress |
| 1980-81 | Chair, Annual Program Planning Committee for Motor Development  |
| 1978-79 | Member, Annual Program Planning Committee for Motor Development   |
3. **Society for Research in Child Development**  
1991, 2002, 2004, 2006 Member, Review Panel (Perceptual, Sensory, Physiological & Motor Processes) for Biennial Meeting
  4. **National Association for Physical Education in Higher Education**  
1994 Chair, Future Directions Committee  
1993 Member, Future Directions Committee
  5. **American Academy for Kinesiology and Physical Education**  
2004-2007 **President** (elected) (President-Elect/Past-President)  
2003-2005 Member, Membership Committee  
1996-1998 **Member-at-large**, Executive Committee (Elected)
  6. **International Society for Infant Studies**  
1999-2000 Member, ICIS Review Panel for Motor and Sensory-motor Behaviour
  7. **International Society for Research into Developmental Coordination Disorder**  
2002- to present Member, Steering Group

Professional Affiliations:

- American Alliance for Health, Physical Education, Recreation and Dance (1971- )
- American Academy for Kinesiology and Physical Education (1993- )
- American Association for the Advancement of Science (1996- )
- American Public Health Association (2005- )
- International Society for Infant Studies (1989 - )
- International Society for Research into Developmental Coordination Disorder (2002 – )
- Maryland Alliance for Health, Physical Education, Recreation and Dance (1982 - )
- Motor Development Research Consortium (1976 - )
- National Association for Physical Education in Higher Education (1993-1996)
- North American Society for the Psychology of Sport and Physical Activity (1977 - )
- Society for Research in Child Development (1983 - )

Scholarly Activities:

1. Editorial

1990	Editor,	<i>AAHPERD Abstracts of Research Papers 1990</i>
1988 - present		Editorial Board, <i>Journal of Motor Behavior</i>
1981 - 1988		Consulting Editor, <i>Journal of Motor Behavior</i>

## 2. Reviewer - Journals

*Reviewer for the following (in addition to reviewing as Editor - see above)*

*Research Quarterly for Exercise and Sport*  
*Clinical Biomechanics*  
*Child Development*  
*Developmental Medicine and Child Neurology*  
*Developmental Psychology*  
*Journal of Experimental Child Psychology*  
*American Psychologist*  
*Adapted Physical Education Quarterly*  
*Elementary School Journal*  
*Experimental Brain Research*  
*Human Movement Science*  
*Infant and Behavior Development*  
*Infancy*  
*International Journal of Aging & Human Development*  
*Journal of Physical Education and Dance*  
*Journal of Mathematical Psychology*  
*Medicine and Science in Sport and Exercise*  
*Motor Control*  
*Gait and Posture*  
*Quest*

## 3. Reviewer - Grant Proposals

### **National Institutes for Health (NIH)**

2005	Ad hoc reviewer, NIH Brain Disorders and Clinical Neuroscience (BDCN) Predoctoral Fellowship Review Panel
	Ad hoc reviewer, NIH Child Psychopathology and Developmental Disabilities Study Section
	Ad hoc reviewer, NIH Special Emphasis Panel (for MFSR)
2004	Ad hoc reviewer, NIH Special Study Section
2002- 2004	<b>Chair</b> , NIH Motor Function, Speech and Rehabilitation Study Section (MFSR)
1999- 2002	Member, NIH BBBP7 Study Section
1995- 1999	NIH Human Development Study Section -3 (temporary member on 1-2 panels a year)
1998	NIH SBIR grants
1990	NIH Human Development & Aging - 1 Study Section
1986	NIH Department of Health & Human Services, Public Health Service, Division on Human Development and Aging

### **NSERC**

1990,1999, 2001 External reviewer, National Science & Engineering Research Council of Canada  
**SSHRC**

2005 External reviewer, Social Sciences and Humanities Research in Canada

**March of Dimes**

1998-2000, 2003 External reviewer, March of Dimes

Courses designed and developed :

HONR 289 Kinesiological Basis of Skilled Performance: Golf  
 KNES 289K Hippocratic Society  
 KNES 370 Motor Development  
 KNES 462 Neural Basis of Human Movement  
 KNES 498B Developmental Motor Learning  
 KNES 498E Applied Motor Development  
 KNES 603 Advanced Motor Development  
 KNES 607 Developmental Assessment of Motor Functioning  
 KNES 689G Visuomotor coordination across the lifespan (with J. Jeka)  
 KNES 689P Development of Posture & Locomotion  
 KNES 689S Critical Writing  
 KNES 689S Developmental Motor Learning  
 KNES 689U Development of Human Locomotion  
 KNES 703 Advanced Seminar: Motor Development  
 KNES 789R Advanced Seminar: Locomotion (with S.J. Phillips)  
 KNES 789Y Advanced Seminar: Motor Development Theory  
 KNES 789W Advanced Seminar: Dynamical Systems Approach to Motor Development

Chaired Graduate Student Committee (University of Maryland only):

2007 Li-Chiou Chen (Ph.D.) “The development of adaptive sensorimotor control in infant upright posture”  
 Melissa Pangelinan (M.A.) “Age-related differences in kinematics and cerebral cortical processes during discrete drawing movements in children and adults” (co-advisor with B.D. Hatfield)  
 Bradley R. King (M.A.) “Sensory integration during de-adaptation to visuomotor distortions”  
 2006 Jin Bo (Ph.D. NACS) “Continuous versus discontinuous drawing: Possible cerebellar involvement in the development of temporal consistency” (co-advisor with J.L. Contreras-Vidal)  
 2004 Stephen Kim (M.A.) “The use of vision in children’s postural control”  
 2004 Tzu-Yun Chang (M.A.) “The relationship between touch and infants’ upright posture during the first year of walking”  
 2002 Jin Bo (M.A.) “Effects of visuomotor transformations on the arm movements of children” (co-Chair with J.L. Contreras-Vidal)  
 1999 Karen Keedy (M.A.) “Sensory integration and pre-writing skills”  
 1998 Erin Boland (M.A.) “Walking over obstacles: Intralimb coordination patterns of young walkers”  
 1997 Jose Barela (Ph.D.) “Development of postural control: The coupling between somatosensory information and body sway”

- 1997 Larry W. Forrester (Ph.D.) "Intralimb coordination dynamics of the lower extremity and the development of running in infancy"
- 1993 Ann L. Lanphear (Ph.D.) "Acquisition of a striking skill: Developmental differences in the effects of knowledge of results, knowledge of performance and vision"
- 1993 Zahava Alon (M.A.) "The movement coordination of the upper extremities in the emergence of independent walking"
- 1993 Catherine Eliot (M.A., non-thesis) "An examination of changes in coordination and control during one infant's first year of walking"
- 1992 Carol Wilson (M.A., non-thesis) "Down Syndrome Children's Hopping"
- 1991 Diana Gilroy (M.A., George Washington University) "The development of normal trunk development and trunk action" (co-chaired, with J. Snodgrass, Department of Human Kinetics)
- 1990 Martin E. Block (Ph.D.) "The development of body-scaled information for affordances: The case of jumping distances"
- 1990 Linda C. Clarke (M.A.) "Intralimb coordination in mature walking: Does the lower extremity act as coupled non-linear limit-cycle oscillators"
- 1988 Terri Truly (M.A.) "Getting the system started: Intralimb coordination for gait initiation with newly walking infants"
- 1988 Jill Whittall (Ph.D.) "A developmental study of interlimb coordination in running and galloping"
- 1988 Carol France-Haller (M.A.) "Effects of occluding segments of ball flight trajectory on the catching performance of children and adults"
- 1985 Vernon Da Silva (Ph.D.) "Developmental aspects of video-game playing in children's response selection processing"
- 1984 Ricardo D. Petersen (Ph.D.) "The development of movement control parameters in jumping"

Awards won by graduate students:

- 1997 NASPSPA Graduate Student Award to Jose Barela (my PhD advisee)
- 2003 NASPSPA Graduate Student Award to Jason Metcalfe (my PhD advisee)
- 2005 NASPSPA Graduate Student International Travel Award to Li-Chiou Chen (my PhD advisee)