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Date and Place of Birth

November 5, 1941
Watford, England.

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Education

Ph.D.	1970	Kinesiology	University of Illinois at Urbana-Champaign
M.S.	1968	Kinesiology	University of Illinois at Urbana-Champaign
B.S.Ed. & DLC (1 st class Hons.)	1963	Physical Education and History	Loughborough University, England
Certificate of Education	1963		University of Nottingham, England

Michael Wade is Professor of Kinesiology and a faculty member in the University of Minnesota Center for Cognitive Science. He is an internationally recognized scholar who has published extensively in two areas of movement science: Developmental change across the lifespan, with an emphasis on individuals with motor difficulties, and on the effects of aging on motor skill performance. Dr. Wade holds Fellow status in the *National Academy of Kinesiology*; the *American Academy of Mental Retardation*; and the Research Consortium of the *American Association of Health, Physical Education, Recreation and Dance*. He is a past president of the North American Society for the Psychology of Sport and Physical Activity -1987, (NASPSPA), and is a recipient of both the Distinguished Scholar Award, and the Presidents Distinguished Service from NASPSPA.

Research statement

My graduate students and I are especially interested in how motor skills develop across the lifespan, but especially in children, both typically developing, and those diagnosed with both intellectual and motor challenges. This includes children at risk for Developmental Coordination Disorder (DCD); those classified with Intellectual and Disabilities; and those diagnosed with Autistic Spectrum Disorder (ASD). Our research extends also to the elderly, especially those who present with mild cognitive impairment (MCI) and those diagnosed with advanced dementia.

Our current research investigates children who are developing normally from a cognitive perspective but who appear to be ‘clumsy.’ and may be at risk for DCD. At the other end of the lifespan we have been investigating changes in postural development of individuals as they age. Here the focus is on trying to evaluate and understand how perceptual information might cause problems with postural control that can lead to falls in the elderly, a major public health hazard. My interest in Human Factors includes human operator performance such as driving performance of the elderly; change in driving habits (i.e. the effects of dementia and onset of Alzheimer’s disease) that often can lead to an increase in accidents. The human factors aspects of driver performance focus on such things as reaction time, changes in the visual perceptual field, (peripheral vision), changes in “field of view” of older drivers when monitoring the driving environment, especially when navigating in heavy traffic and making turns against oncoming traffic. The central challenge of all of this work is to better understand whether developmental changes in both our ability to utilize perceptual information (detection problem) and whether that perceptual information is used efficiently and quickly in coordinating and controlling skilled activity in the context of a specific environmental milieu.

Appointments at the University of Minnesota, 1986-present

DGS School of Kinesiology	2016-
Professor, School of Kinesiology	1986-
Professor and Governing Council. Center for Cognitive Science- CCS	1986-
Professor, All-University program in Gerontology	1986 -
Professor, All-University program in Human Factors	2000-
University Senate Committee on Educational Policy (SCEP)	2008-2011
University Honors Program (UHP) - Faculty Advisory Board	2008-
College of Education & Human Development; Governing Council	2011-2013
University Committee on Liberal Education (CLE)	2014-2016.

Past Appointments

Professor and Director School of Kinesiology	1986-2005
Interim Chair: Department of Work and Human Resource Education	2004-2006
Member College of Education Administrative Council	1986-2005

Director of Graduate Studies School of Kinesiology	1986-1993; 2007-2009;	2016-
	2017	
Kinesiology Honors Program Founder and Coordinator		2005-2010
Chair College of Education & Human Development – Work Group for Honors Program		2007-2008
Graduate Program Representative College Curriculum Committee		2007-2011
University Graduate School Academic Grievance Committee		2008-2010

University Service

University Council on Liberal Education (CLE)		2014-2016
Faculty Advisory Committee University Honors program (UHP)		-current
Senate Committee on Educational policy		2010-2011
Provost Search Committee for Dean of the College of Education and Human Development		2005-2006
Member, Faculty Senate Committee on Faculty Affairs		1990-1993
University Planning Committee for Facilities (current \$30 million Recreation and Sport Facility)	1986-1991, 2000-2005	
Member, Graduate School Graduate Council		1986-1993
Director of Graduate Studies, School of Kinesiology	1986-1992, 2001-2002	
Member, Graduate School Executive Committee		1989-1993
Chair, Graduate School Council for Psychology and Education		1989-1993
Several College committees in Curriculum Development and search committees		
Governing Board Center for Applied Research in Educational Improvement, CAREI		1988-1990

Previous Professional appointments

Southern Illinois University, Carbondale, IL - 1981-1986

Head of Department of Physical Education		1981-1986
Dean's Administrative Council College of Education		1981-1986
University Honors Committee		1984-1985
Graduate Council		1982-1985
Chair, Review Committee, Department of Anatomy, SIUC School of Medicine		1983-1984

University of Illinois, Urbana-Champaign, IL - 1970-1981

Graduate Studies Director, Department of Leisure Studies		1975-1981
Director, Leisure Behavior and Play Research Laboratory		1976-1981
Graduate School Council		1975-1981
Chair, University Discipline Committee Graduate School		1973-1979
Numerous assignments in Department, College and University in my 11-year tenure at UIUC		

University of Guelph, Ontario, Canada - 1965-1966

Lecturer: Department of Human Kinetics

Watford Boys Grammar School - 1963-1965

Teacher: Physical Education and History

Instructional Interests and Activities

The Acquisition of Motor Skills across the lifespan.

Problems of Motor Skill Learning and development in Children with Disabling Conditions, e.g., Developmental Disabilities; Hyperactivity; Learning Disabilities; Developmental Coordination Disorder.

Human Factors and Applied Systems

Gerontology. Skill changes in the elderly

Play and Leisure Behavior - Theory and Practice

Current Research Directions in Human Movement, and Allied Health

Graduate Faculty Status

Full Membership: Graduate School, University of Minnesota.

Graduate Advisees; See Appendix A.

Research Interests

Aging and Motor Skills

Human Factors and Ergonomics

Play behavior and motor behavior in children with special needs

Motor Skill Development in Typical and Atypical Children.

Problems of Coordination, Control and Motor Skill Learning in Population with Motor difficulties

Honors and Awards since 1986

Distinguished Scholar Award: North American Society for the Psychology of Sport and Physical Activity.(NASPSPA). 2012

Presidential Award: North American Society for the Psychology of Sport and Physical Activity (NASPSPA). 2011

Visiting Professor: Center for Exercise Science and Sport, Institute of Biological Sciences, University of Leeds Yorkshire, England. 2006-2007

Senior Scholar Award: North American Society for Psychology of Sport & Physical Activity (NASPSPA) 2002

Inaugural Robin Gray Research Fellowship, Department of Human Movement Science, University of Western Australia. Feb 1994

Fellow, American Academy of Mental Retardation, FAAMR	1990
Fellow, National Academy of Kinesiology (Fellow#312)	1986
Fellow, American Association for Mental Retardation	1981
Research Fellow, American Association for Health, Physical Education, Recreation and Dance (AAHPERD)	1968-present
Special Recognition Award, Society of Park and Recreation Educators, National Recreation and Park Association	Oct 1987.
Special Research Award, National Consortium on Physical Education and Recreation for the Handicapped	1987
Member, American Academy of Motor Development American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD)	1980- present
Who's Who in American Education	1991- present.
Who's Who in Technology	1982- present.
Who's Who (Midwest)	1979- present
American Men and Women of Science (Social Sciences)	1979-present
Post-Doctoral Fellow, Bureau of Education for the Handicapped, UCLA	1980

Study Leaves, granted

Sabbatical Leave, academic year 2013-2014.

Administrative Leave, academic year 2006/2007

Single Semester Leave awarded, University of Minnesota, 2002

Single Quarter Leave awarded, University of Minnesota, 1996

Sabbatical Leave, University of Illinois, 1979-80.

Scholarly Contributions

Refereed Publications: 2011 - present

Wade, M & Kazeck, M (2016). Developmental Coordination Disorder and its cause: The road less travelled. *Human Movement Science*.
<http://dx.doi.org/10.1016/j.humov.2016.08.004>

Munafo J, Curry, C, Wade, M & Stoffregen T (2016). The distance of visual targets affects the spatial magnitude and multifractal scaling of standing body sway in younger and older adults. *Experimental Brain Research*. (2016) 234: 2721–2730 DOI 10.1007/s00221-016-4676-7

Alsharji, K. & Wade M G, (2016). Perceptual Training Effects on Anticipation of Direct and Deceptive 7-Meter Throws in Handball, *Journal of Sport Science Vol.34, #2,*

Chen, F.C., Wade, M. G., Chang, Chi-Hui, and Stoffregen, T. A.(2016) Perception of object length via manual wielding in children with and without developmental coordination disorder. *Journal of Motor Behavior, Vol.48#1,p13-19*

Munafo,J. Wade, M., Stergiou, N., and Stoffregen,T..(2015) Subjective Reports and Postural Performance Among Older Adult Passengers on a Sea Voyage. *Ecological Psychology, 27, (2),127-143.*

Chen, F. C., Tsai, C. L., Biltz, G. R., Stoffregen, T. A., & Wade, M. G. (2015). Variations in cognitive demand affect heart rate in typically developing children and children at risk for Developmental Coordination Disorder. *Research in Developmental Disabilities, 38, 362-371.*

Jor'dan, A. J., McCarten, J. R., Rottunda,S., Stoffregen,T.A., Manor, B., and Wade , M. G. (2015,) Dementia alters the postural response to a standing visual search task in older adult males. *Neuroscience Letters.593.101-106.*

Koslucher.F, Wade, M G ,Nelson, B, Lim, K, Chen,Fu-Chen, Stoffregen,TA (2012).Nintendo Wii Balance Board is sensitive to effects of visual tasks on standing sway in healthy elderly adults. *Gait& Posture 36, 605-608*

Chen,F C, Tsai,C L, Stoffregen T A .,Chang,C-H, & Wade, M G . (2012). Postural adaptations to a suprapostural memory task among children with and without developmental coordination disorder. *Developmental Medicine & Child Neurology, Vol.54 (2) pp155-159*

Chen, F. C., Tsai, C. L., Stoffregen, T. A., & Wade, M. G. (2011). Postural responses to a suprapostural visual task among children with and without developmental coordination disorder. *Research in Developmental Disabilities, 32*, 1948-1956

Mayo, A. M., Wade, M. G., & Stoffregen, T. A. (2011). Postural effects of the horizon on land and at sea. *Psychological Science, 22*, 118-124.

Articles Published: 2005-2010

Chang, C.-H., Wade, M. G., Stoffregen, T. A., Hsu, C.-Y., & Pan, C.-Y. (2010). Visual tasks and postural sway in children with and without Autism Spectrum Disorder. *Research in Developmental Disabilities, 31*, 1536-1542.

Hackney, J. M., Wade, M. G., Larson, C., Smith, J. P., & Rakow, J. (2010). Impairment in anterior cruciate ligament reconstructed subjects in adjusting ground reaction forces in running. *Physical Therapy Theory and Practice, 26* (5), 289-296.

Chang, Chih-Hui., Wade, M.G., & Stoffregen, T. A., (2009). Perceiving Affordance for an Environment-person-person System: Stair Climbing and Aperture Passage Models. *Journal of Motor Behavior, 14* (6), 495-501.

Johnson, D. C., & Wade, M. G. (2009). Children At Risk for Developmental Coordination Disorder: Judgment of Changes in Action Capabilities. *Developmental Medicine and Child Neurology 51*(No5), pp397-403

Chang, Chi-Hui., Wade, M. G., Stoffregen, T. A., & Huei-Ying, H., (2008). Length perception by dynamic touch: The effects of aging and experience, *Journal of Gerontology: Psychological Sciences, 63* 165-170

Chang, Chi-Hui & Wade M. G. (2008). Age Related Differences in Length Perception by Dynamic Touch, In S. Cummins –Sebree, M., Riley and K., Shockley (Eds.) *Studies in Perception & Action IX*. Pub. Lawrence Erlbaum.

Wade M.G. (2007) 'Quo Vadis Kinesiology'? *Quest 5* (1), pp 170-173 .

Thomas, J.T., Clark, J.E., Felz, 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* (1) pp174-194.

Johnson, D.C., & Wade, M.G., (2007) Judgment of action capabilities in children at risk for developmental coordination disorder. *Disability and Rehabilitation, 29* (1), 33-45.
Wade, M.G. Seniors and Driving, Minnesota Health Care News, Vol. 3 (5), pp. 15-27, May 2005.

Wyman, J., Gross, C., DiFabio, R., Nyman, J., Lindquist, R., McCarthy, T., Wade, M. G., Konstan, J., & Findorff, M. (2005). A randomized trial of exercise, education, and risk reduction counseling to prevent falls in population-based sample of older women [Abstract]. *The Gerontologist*, 45(Special Issue II), 297.

Hammond, C., & Wade, M.G., (2005). Forward looking blindspots : A report of A-Pillar induced field-of-view *obstruction and driver performance in a simulated rural environment*. Advanced in Transportation Studies, Vol., V, pp. 69-81.

Wade, M.G., (2003) Tips to New Faculty Interviewing for a Faculty Position. *Chronicle of Physical Education in Higher Education*, 13(2), pp. 14-15

Guan, J., & Wade, M.G. (2000). The effect of aging on adaptive eye-hand coordination. *Journal of Gerontology: Psychological Sciences*, 55B (3), pp. 151-162

Books and Book Chapters: 2000 - present

Wade, M. G., and Chen, F C. (2015). Embodied cognition and its relevance to children with movement difficulties. Chapter in *Moving, Developing and Learning*, (Edited by Barnett, A., and Sugden, D.) Oxford University Press, Oxford, England .p71-80.

Wade, M G & Smith T A. ‘Variability in Sport and human movement’ (2014). Chapter in “Variability in Human Performance” (Eds., Smith,T, Henning ,R , Wade M, & Fisher ,T.) Published by CRC Press –Taylor & Francis group LLC. Pp 385.

Sugden, D. A., and Wade, M G . (2013).*Typical and Atypical Motor Development: Clinics in Developmental Medicine*. Published by Mac Keith Press, England. pp 386.

Wade M. G. (2007) Foreward; In Memorium of Allan Burton. In W. E. Davis & G. E. Broadhead (Eds.) , *Ecological Task Analysis and Movement*, Pub. by Human Kinetics

Kleiber, D.,Wade, M.G., Loucks-Atkinson, A. (2004). The Utility of the concept of affordance for leisure research. In E. Jackson (Ed.), *Constraints to Leisure*. State College, PA. Venture Publishing, Inc.

Wade, M.G., Van Emmerik, R., Kernozek, T.W. (2000). Atypical Dynamics of Motor behavior in Down Syndrome. In D. Weeks, R. Chua, D. Elliott (Eds.), *Perceptual Motor Behavior in Downs Syndrome* (pp. 277-303). Champaign, IL: Human Kinetics.

Articles published prior to 2000

Contribution to article in *American Baby*. March, 1999. Movin' on, by Jenny Friedman, Ph.D. pp. 64-69.

Contribution to article in *Parenting Magazine* on motor development in young children: to be published July 1999.

Cassidy, P.E., & Wade, M. G. (1998). Improving novice baseball batters' choice reaction times through video training. *International Journal of Sports Vision*, 5(1), 22–32.

Kernozek, T. & Wade, M. G. (1998). Age and seat height effects of rising from a toilet in the elderly. *Archives of Physical Medicine and Rehabilitation*, 79, (313–316)

Okner, M.A., Kernozek, T., and Wade, M.G. (1997). Chin Rest Pressure in Violin Players: Musical Repertoire, Chin Rests, and Shoulder Pads as Possible Mediators. *Medical Problems of Performing Artists*. Vol. 12, (4), 112-121.

Parker, H.E., Larkin, D. and Wade, M.G. (1997) Are Motor Timing Problems Subgroup Specific in Children with Developmental Coordination Disorder? *Australia Educational and Developmental Psychologist*. Vol. 14, (1), 35-42.

Wade, M.G. and Jones, G. (1997) The Role of Vision and Spatial Orientation in the Maintenance of Postural Stability. *American Journal of Physical Therapy*. Vol. 77, (6), 619-628.

Baker, J.A.W., Pan, D.W., and Wade, M.G. (1996). Multidimensional Scaling: The Name Revisited. *International Journal of Physical Education*. Vol. 33, (2), 76-81.

Mathiowetz, V.G. and Wade, M.G. (1995) Task Constraints and Functional Motor Performance of Individuals With and Without Multiple Sclerosis. *Ecological Psychology*, 7(2), 99-123.

Wade, M.G., Lindquist, R., Treat-Jacobson, D., & Taylor, J.R. (1995). Optical Flow, Spatial Orientation, and the Control of Posture in the Elderly. *Journal of Gerontology* (50)4, P51-P58.

Berg, W.P., Wade, M.G., & Greer, N.L. (1994). Visual regulation of gait in bi-pedal locomotion: Revisiting Lee, Lishman and Thompson. (1982) *Journal of Experimental Psychology, Human Performance and Perception*, (20)4, 854-863.

Berg, W.P., Wade, M.G., & Greer, N.L. (1993). Direction of gaze in real world bi-pedal locomotion. *Journal of Human Movement Studies* (42), 49-70.

Wade, M.G. (1992). Gender differences in throwing: Is human evolution a factor? *Enhancing Human Performance in Sport: New concepts and Developments, American Academy of Physical Education Papers, No. 25, pp. 77-84.*

Wade, M.G. (August 1991). Unraveling the Larry and Darryl Magical Mystery Tour. *Quest, 43(2), 207-213.*

Wade, M.G., & Baker, J.A.W. (1990). The changing framework of physical education: new name, new responsibilities. *Physical Education Review, 13(2), 138-145.*

Wade, M. G. (1990) Impact of Optical Flow on Postural Control in Normal and Mentally Handicapped Persons. In Vermeer, A. (Ed.), *Motor Development, Adapted Physical Activity and Mental Retardation. Medicine and Sport Science. Switzerland: S. Karger, Basel, Vol. 30, pp. 21-29.*

Wade, M.G. (1986). Problems in cognition and action: A reply to Mounoud. In M.G.Wade & H.T.A. Whiting (Eds.), *Motor skill acquisition in children: Issues in control and coordination (pp. 405-411).* Amsterdam: Martinus Nijhoff.

Hoover, J.H., & Wade, M.G. (1985). Motor learning theory and mentally retarded individuals: A historical review. *Adapted Physical Activity Quarterly, 2, 228-252.*

Wade, M.G. (1985). Timing and the precision of movement in the mentally handicapped. *Motor Development: Current Selected Research, 1, 207-222.*

Wade, M.G., Hoover, J.H., & Newell, K.M. (1984). Training reaction and movement times of moderately and severely retarded persons in aiming movements. *American Journal of Mental Deficiency, 89 (2), 174-179.*

Wade, M.G., Newell, K.M., & Hoover, J.H. (1982). Coincidence timing behavior in young mentally handicapped workers undervarying conditions of target velocity and exposure. *American Journal of Mental Deficiency, 86 (6), 643-649.*

Hoover, J.H., Wade, M.G., & Newell, K.M. (1981). The trainability of reaction time and movement time in moderately mentally handicapped workers. *American Journal of Mental Deficiency, 85, 389-395.*

Wade, M.G. (1980). Coincidence anticipation of young normal and retarded children. *Journal of Motor Behavior, 12(2), 103-112.*

Newell, K.M., Wade, M.G., & Kelly, T.M. (1979). Temporal anticipation of response initiation in retarded persons. *American Journal of Mental Deficiency, 84, 284-296.*

- Wade, M.G., & Gold, M.W. (1978). Removing some of the limitations of mentally retarded workers by improving job design. *Human Factors*, 20, 339-348.
- Wade, M.G., Newell, K.M., & Wallace, S.A. (1978). Decision time and movement time as a function of response complexity in retarded persons. *American Journal of Mental Deficiency*, 83, 135-144.
- Medearis, C.D., & Wade, M.G. (1978, July/August). Preschool motor development. *Illinois Parks and Recreation*.
- Barnett, L.A., & Wade, M.G. (1978). Children's play and the processing of information: Some preliminary data. *Leisure Sciences*, 2(1), 13-37.
- Wallace, S.A., Newell, K.M., & Wade, M.G. (1978). Decision and response times as a function of movement difficulty in preschool children. *Child Development*, 49, 509-512.
- Wade, M.G. (1977). Categories of disabilities and their influence on the motor performance of children. In R.E. Stadulis (Ed.), *Research and practice in physical education* (pp. 77-88). Champaign, IL: Human Kinetics Press.
- Wade, M.G. (1976). Method and analysis in the study of children's play behavior. *Quest*, 17-25.
- Wade, M.G. (1976). Effects of methylphenidate on motor skill acquisition of hyperactive children. *Journal of Learning Disabilities*, 9, 443-447.
- Sapora, A.V., Bannon, J.J., & Wade, M.G. (1976). Developing leadership in the leisure profession. *Society and Leisure*, 4(4), 67-82.
- Clark, B.A., Wade, M.G., Massey, B.H., & Van Dyke, R. (1975). Response of institutionalized geriatric mental patients to a twelve-week program of regular physical activity. *Journal of Gerontology*, 30, 565-573.
- Thompson, A.R., & Wade, M.G. (1974). Real play and fantasy play as modified by social and environmental complexity in normal and hyperactive children. *Therapeutic Recreation Journal*, 4, 160-167.
- Newell, K.M., & Wade, M.G. (1974). Stabilometer trial length as a function of performance. *Research Quarterly*, 160-167.
- Wade, M.G. (1973). Biorhythms and activity level of institutionalized mentally retarded persons diagnosed hyperactive. *American Journal of Mental Deficiency*, 78, 262-267.

Wade, M.G., Ellis, M.J., & Bohrer, R.E. (1973). Biorhythms in the activity of children during free play. *Journal of the Experimental Analysis of Behavior*, 20, 155-162.

Wade, M.G. (1972). Biorhythms and play behavior. *Sport Psychology Bulletin*, 3, 2-9.

Wade, M.G., & Newell, K.M. (1972). Performance criteria for stabilometer learning. *Journal of Motor Behavior*, 4, 231-239.

DeOreo, K.D., & Wade, M.G. (1972). Dynamic and static balancing ability of pre-school children. *Journal of Motor Behavior*, 4, 231-239.

Wade, M.G., & Ellis, M.J. (1971). Measurement of free-range activity in children as modified by social and environmental complexity. *American Journal of Clinical Nutrition*, 24, 1457-1460.

Geeseman, R., & Wade, M.G. (1971). A heart rate telemetry system to study activity of children during free play. *Research Quarterly*, 42, 450-453.

Ellis, M.J., Schmidt, R.A., & Wade, M.G. (1969). Proprioception variables as determinants of lapsed time estimation. *Revista de Psicología Generalmente Aplicada*, 24, 444-458.

Ellis, M.J., & Wade, M.G. (1968). Inter-trial response strategy in operative time estimation. *Psychonomic Science*, 11, 203.

Ellis, M.J., Schmidt, R.A., & Wade, M.G. (1968). Proprioception variables as determinants of lapsed time estimation. *Ergonomics*, 11, 577-586.

Wade, M.G. (1966-1967). Finnish javelin throwing. *Track Technique*, 31, p.695.

Wade, M.G. (1966). A javelin refutation. *Track Technique*, 23, p. 729.

Books and Book Chapters prior to 2000

Wade, M.G. & Baker, J.A.W. (1995). *Kinesiology: An Introduction to the Science and Practice of Physical Activity*. Madison, WI: Wm.C. Brown Publishers, 189pp.

Wade, M.G. (Ed.) (1986). Motor skill acquisition of the mentally handicapped: Issues in research and training. *Advanced in Psychology*, No. 31. Amsterdam: North Holland. pp,296.

Wade, M.G., & Whiting, H.T.A. (Eds.) (1986). *Motor Development in Children: Aspects of Coordination and Control*. NATO ASI Series, Amsterdam: Martinus Nijhoff.

Whiting, H.T.A. & Wade, M.G. (Eds.) (1986). Themes in Motor Development. NATO ASI Series, Amsterdam: Martinus Nijhoff.

Wade, M.G. (Ed.) (1985). Constraints on leisure. Springfield, IL: Charles C. Thomas. 510 pp.

Wade, M.G., & Martens, R. (1974). Psychology of Motor Behavior And Sport. Urbana, IL: Human Kinetics Publishers.

Chapters in Books

Wade M. G. (2007) Foreward; In Memorium of Allan Burton. In W. E. Davis & G. E. Broadhead (Eds.), Ecological Task Analysis and Movement, Pub. by Human Kinetics

Wade, M.G., Johnson, D., & Mally, K. (2005). A dynamical systems perspective in persons diagnosed with Developmental Coordination Disorder: Theory and Practice. In Sugden, D. A., & Chambers, M. (Eds.), Children with Developmental Coordination Disorder. Whurr Publishing, London, England.

Kleiber, D., Wade, M.G., Loucks-Atkinson, A. (2004). The Utility of the concept of affordance for leisure research. In E. Jackson (Ed.), Constraints to Leisure. State College, PA. Venture Publishing, Inc.

Wade, M.G., Van Emmerik, R., Kernozek, T.W. (2000). Atypical Dynamics of Motor behavior in Down Syndrome. In D. Weeks, R. Chua, D. Elliott (Eds.), Perceptual Motor Behavior in Downs Syndrome (pp. 277-303). Champaign, IL: Human Kinetics.

The following chapter contributions are all part of Wade & Baker (1995), listed above.

*Wade, M.G. & Baker, J.A.W. (1995). Introduction: The changing framework of physical education: New name, new responsibilities. In M.G.

*Wade & J.A.W. Baker, Kinesiology: An introduction to the science and practice of physical activity. Madison, WI: Wm.C. Brown Publishers, pp. 1-11.

*Wade, M.G. & Baker, J.A.W. (1995). What is a discipline? What is science? In M.G. Wade & J.A.W. Baker, Kinesiology: An introduction to the science and practice of physical activity. Madison, WI: Wm.C. Brown Publishers, pp. 14-23.

*Wade, M.G. & Baker, J.A.W. (1995). Motor behavior. In M.G. Wade & J.A.W. Baker, Kinesiology: An introduction to the science and practice of physical activity. Madison, WI: Wm.C. Brown Publishers, pp. 60-76.

*Wade, M.G. & Baker, J.A.W. (1995). Career opportunities beyond the public school system. In M.G. Wade & J.A.W. Baker, *Kinesiology: An introduction to the science and practice of physical activity*. Madison, WI: Wm.C. Brown Publishers, pp. 145-157.

*Wade, M.G. & Baker, J.A.W. (1995). Epilogue. In M.G. Wade & J.A.W. Baker, *Kinesiology: An introduction to the science and practice of physical activity*. Madison, WI: Wm.C. Brown Publishers, pp. 173-180.

*Baker, J.A.W. & Wade, M.G. (1995). What is a profession? In M.G. Wade & J.A.W. Baker, *Kinesiology: An introduction to the science and practice of physical activity*. Madison, WI: Wm.C. Brown Publishers, pp. 122-129.

*Baker, J.A.W. & Wade, M.G. (1995). Teaching and coaching physical activity and sport: A changing profession. In M.G. Wade & J.A.W. Baker, *Kinesiology: An introduction to the science and practice of physical activity*. Madison, WI: Wm.C. Brown Publishers, pp. 130-144.

Wade, M.G., Roehrs, T. & Yi, J. (1993) Optical flow as a factor in falling: the case for more research. In Stelmach G.E. Homberg V. *Sensory motor impairment in the elderly* Amsterdam Kluwer Academic publishers; 253-264.

Wade, M.G. and Berg, W. (1991). How to study movement in children. In J. Fagard, P. Wolff, (Eds.), *Development of Timing Control and Temporal Organization in Coordinated Action. Advances in Psychology Series*, No. 81, (pp. 261-280). The Netherlands: Elsevier Science.

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Barnett, L. A. & Wade, M. G. (1988). In celebration of leisure research: A reflective look back, In Barnett, L. A. (Ed.), *Research About Leisure* (p1-16). Champaign, Illinois: Sagamore 220 pp.

Wade, M.G. (1987) Motor skills and music: Contrasting styles of control. In Wilson F. & Roehmann, F. (Eds.), *Music and Child Development: Denver, 1987* (pp. 157-178). St. Louis: MMB Music Inc.

Wade, M.G., & Hoover, J.H. (1985). Mental retardation as a constraint on leisure. In M.G. Wade (Ed.), *Constraints on Leisure* (pp. 83-110). Springfield, IL: Charles C. Thomas.

Wade, M.G. (1985). Toward a biology of leisure. In M.G. Wade (Ed.), *Constraints on leisure* (pp. 3-16). Springfield, IL: Charles C. Thomas.

Wade, M.G. (1985). Constraints on leisure: Epilogue. In M.G. Wade (Ed.), *Constraints on Leisure* (pp. 355-356). Springfield, IL: Charles C. Thomas.

Wade, M.G., Hoover, J.H., & Newell, K.M. (1984). Training and trainability of motor skills: Performance on mentally retarded persons. In J. Hogg & P. Mittler (Eds.), *Aspects of competence in severely mentally handicapped people Vol. II*, (pp. 175-203). London: Wiley and Sons.

Wade, M.G. (1982). Timing behavior in children. In J.A. Scott Kelso & J. Clark (Eds.), *Development in human motor skills* (pp. 239-251). London: Wiley & Sons.

Wade, M.G. (1982). Motor skills development. In *Encyclopedia of educational research* (5th ed.). American Educational Research Association.

Wade, M.G., & Davis, W.E. (1982). Motor skill development in young children: Current views on assessment and programming. In L. Katz (Ed.), *Current topics in early childhood education Vol. IV*, (pp. 55-71). Norwood, NJ: Ablex Publishing Co.

Wade, M.G. (1976). Developmental motor learning. In J. Keogh & R.S. Hutton (Eds.), *Exercise and sport science reviews* (Vol. IV, pp. 375-394). Santa Barbara, CA: Journal Publishing Affiliates.

Wade, M.G., & Craig, T. (1970). Inter-trial response strategy of educable mentally handicapped children in learning time estimation. In G.S. Kenyon (Ed.), *Contemporary psychology of sport* (pp. 507-510). Chicago: Athletic Institute

Wade, M.G. (1969). Physical education around the world. In W. Johnson (Ed.), *Physical education around the world* (Monograph No. 3, pp. 46-51). Indianapolis, IN: Phi Epsilon Kappa.

Book Reviews

Wade, M.G. (1984). [Review of *Advances in neurogerontology: The aging motor system*]. *Adapted Physical Education Quarterly*, 1(2), 169-172.

Wade, M.G. (1979). [Review of *Play behavior*]. *Journal of Leisure Behavior*.

Wade/Whiting. [Review of *Motor Development in Children: Aspects of Coordination and Control*]. *L'Annee Psychologique*.

Other

Wade, M.G. (1981). Assessment of motor development. *Bulletin of the Motor Development Academy*.

Wade, M.G. Strategy problem solving in game settings by mentally handicapped persons. In Peterson & Holmes (Eds.), *Intelligence, therapeutic recreation*.

Professional Service

Memberships and Appointments in Professional Associations

American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD), 1973-present.

North American Society for the Psychology of Sport and Physical Activity (NASPSPA), 1968-present.

American Association on Mental Retardation (AAMR), 1971-present,.Fellow status

National Academy of Kinesiology 1986.- Fellow status

International Society for Ecological Psychology (ISEP), 1987- present.

Professional Activities, selected

Co-Director (With Thomas Stoffregen) XVIII International Conference on Perception and Action, July14-18 2015 Minneapolis Minnesota.

Co-Director (With Thomas Stoffregen) XV International Conference on Perception and Action, July12-17 2009 Minneapolis Minnesota.

Program Organizer, Interdisciplinary conference on human performance (IHP) Conference, Warner Springs, CO, 2000

Program Organizer, North American Society for Psychology of Sport and Physical Activity, (NASPSPA), Brainerd, MN, 1993.

Co-Chair,Big 10/AAPE Leadership Conference. Funded by Big 10 Committee on Inter-institutional Cooperation (CIC), December 1988.

Program Chair, NASPSPA Meeting, Kent State University, 1989.

President, North American Society of the Psychology of Sport and Physical Activity (NASPSPA), 1987-1988.

Member, National Institute of Health (NICHD) Subcommittee on Psychological Processes, 1983-1985.

Director, NATO Advanced Study Institute, Maastricht, Netherlands, 1985.

Chair, Motor Development, XXIII Olympic Scientific Congress, University of Oregon, Eugene, OR, July 19-26, 1984.

Section Chair (Motor Development), NASPSPA Meeting, Eugene, OR, 1984.

Chair, Research Committee of Society of Park and Recreation Educators, 1977-1979.

Organizer and Chairman, Mid-Eastern Motor Development Conference, University of Illinois, Urbana-Champaign, IL, September 1978.

Chair, Leisure Research Symposium at National Recreation and Park Association National Convention, 1976-1977.

Organizer and Chairman, Research Symposium, Society of Park and Recreation Educators (SPRE), National Recreation and Park Association (NRPA) Congress, Boston, MA, October 1976. Organizer, Handicapped Children Conference, Office of the Superintendent of Public Information, Peoria, IL, 1974.

Organizer, Language and Motor Development Conference, Department of Exceptional Children, Office of the Superintendent of Public Instruction (OSPI), Champaign, IL, March 1973.

Organizer, Motor Development for Retarded Children, Education and Secondary Education Act Title I, Ramada Inn, Champaign, IL, 1973.

Selected Workshop and In-service Activities

"Science in Sport." Science Fest. Plymouth Creek Elementary School, Plymouth, MN. April 1, 1993.

Motor Skill Development in persons who are mentally handicapped. Invited talk given to Twin-Cities Down's Association, Abbott Northwestern Hospital, Minneapolis, MN, September 12, 1991.

Bloomington Schools Community Resource Group, Bloomington, MN, 1986-present.

"Signing and Motor Skills in the Deaf," Illinois Council on Exceptional Children, Chicago, IL, November 1979.

"Developmental Readiness in Language and Motor Skill Acquisition," Conference on Handicapped Children, Office of Superintendent of Public Information (OSPI), Peoria, IL, 1974.

"Skill Acquisition in Exceptional Children," MacMurray College, Jacksonville, IL, January 1974.

"Language and Motor Skill Acquisition," Conference on Handicapped Children, Office of the Superintendent of Public Information (OSPI), Champaign, IL, March 1973.

"Researcher and Practitioners," Midwest Convention of AAHPERD, Columbus, OH, 1973.

"Motor Evaluation of Handicapped Children," Elementary and Secondary Education ACT (ESEA) Title I Workshop on Motor Development, Champaign, IL, 1973.

"The Research -Practice Gap," Illinois Park Commissioners' Workshop, Champaign, IL, 1973.

"Problems of Effectively Communicating Research to Practitioners," A.L. Bowen Center, Harrisburg, IL, 1970.

Consultant

Over the years I have consulted with numerous school districts, lawyers and associated industries in the areas of Sport, Forensic Kinesiology, Human Factors Engineering, Recreation and Play.

Papers and Presentations at Professional Meetings

International Conferences

Munafo, J., Wade, M., & Stoffregen, T. (2015) The horizon affects Postural Sway in Older adults on Land. *Studies in Perception & Action XVIII*. (Edited by West-Knapp, Malone, & Abney.), Psychology Press, p 241.

Munafo, J., Wade, M., & Stergiou, N. (2015) The Horizon Affects postural Sway in Older Adults at Sea, *Studies in Perception & Action, XVIII*. (Edited by West-Knapp, Malone & Abney), Psychology press, p 245.

Invited lecture. 'Movement that informs and movement by design' To the faculty and students at Tianjin Sport University Tianjin China, November, 2013.

Invited lecture, 'Atypical motor development ; A case of disrupted perception-action synergy' Given to faculty and students at East China Normal University (ECNU), Shanghai, China November, 2013,

Atypical motor development: A case of disrupted perception-action synergy' paper presented at the XVII International Conference on Perception and Action (ICPA), Lisbon Portugal July 2013.

Wade et al., Learning to look at the horizon. Poster presented at the XVII ICPA meeting, Lisbon, Portugal. July 7-11th 2013.

Postural responses of children with and without Developmental Coordination Disorder while engaged in a supra-postural task. Poster presentation at the 'Euromov' Skills Conference, University of Montpellier, Montpellier, France December 15th. & 16th 2011.

Invited talk; Institute of Psychological Sciences, University of Leeds, England December 12th, 2011. "Postural control changes while engaged in tasks requiring perceptual and cognitive effort".

Perceptual and cognitive impact on postural motion in children with and without developmental coordination disorder. Paper presented at the International Conference on Developmental Coordination Disorder, Lausanne, Switzerland June 11th 2011

Invited Lecturer: National Cheng - Kung University, Tainan Taiwan September 2009. 'Aspects of coordination and Control: Models, Methods and Modes of Inquiry' Two lectures presented to; 1. The Department of Physical Education, 2. The Department of Physical Therapy.

Wade, M G. Diagnostic criteria across the developmental spectrum. Paper presented at the XV International Conference on Perception and Action. July 17th 2009 Minneapolis, Minnesota.

Chang Chih-hui, Pan,Chien-Yu, Wade M G., and Stoffregen,T A. The influence of supra- postural task on postural sway of children with and without autistic spectrum disorder. Paper presented at the XV international conference on per caption and Action. July 17 2009 Minneapolis, Minnesota.

Invited Keynote: International Conference on Sport and Physical Activity. Sponsored by the Kuwait Ministry of Education, April 1st -3rd, 2008 Kuwait City.

Chi-Hui, Chang, & Wade, M. G. Age related differences in length perception by dynamic touch. Paper presented at the 14th International conference on perception and action ICPA, Japan, July, 2007

Invited Keynote: Perception and Perception-Action in Children at risk for developmental coordination disorder (DCD). Inaugural DCD-UK Conference on Clinical Practice, University of Wales-Newport campus, November 15 & 16, 2006

Invited Keynote Speaker, New Directions in Sport Science, Ministry of Education, Republic of Tunisia, February 15-17, 2006. Presented two presentations: 1. Kinesiology: The science of physical activity, 2. Development of Postural Control: A critical milestone in motor development.

Invited Speaker, Conference on Developmental Coordination Disorder: Theories about Developmental Coordination Disorder: Why do we keep “rounding up” the usual suspects? Sponsored by the Economic and Social Research Council of Great Britain, University of Leeds, England, November 10-12, 2005.

Johnson, D.C., & Wade, M.G., Estimates of motor ability using perceptual information in DCD children. Paper presented at VI International Conference on DCD, Trieste Italy, May 2005.

Culbert , S., Wade ,M .G., & Johnson, D., Perceptual sensitivity of children with DCD: Vision and Haptics. Paper presented at VI International Conference in DCD, Trieste Italy, May 2005.

Paper to be presented at the 10th International Congress of ACAPS, Toulouse, France, October 30 – November 1, 2003. “Detecting direction of heading from optical flow in patients with Alzheimer's disease.” Michael G. Wade, Ph.D. and Petcharatana Bhuanantanondh.

Invited Lecturer, "Influence of Motor Learning Theory on People With Disabilities." National Taiwan Normal University, June 10-12, 2002

Invited Lecturer, "Forward Field of View Blindspots: The interaction of A-pillar induced field of view obstruction." Driving Simulation Conference (DSC 2001). Sophia-Antipolis (Nice), France, September 5-7, 2001.

Invited Lecturer, "Developmental Coordination Disorder: Issues in Diagnosis and Underlying Processes." Department of Kinesiology, Penn State University, February 2001.

Invited Lecturer, "Virtual Environment Validation." Driving Simulation Conference Sponsored by the French Ministry of Equipment, Transport, and Housing. Paris, France, September 6-8, 2000.

Keynote Invited Address: The Role of Posture in the Development of Coordination and Control. 3rd World Sport Science Congress, Istanbul, Turkey, May 10-14 2000.

Keynote Invited Address: Studying Physical Activity in the New Millennium: The need for integration. 62nd World Congress International Council for Health, Physical education, Recreation, Sport and Dance. Cairo, Egypt, July 27, 1999.

Principals for Rating the Health Status of People in Extreme and Disaster Environments. Prepared by Victor S. Koscheyev, M.D., Ph.D., Michael G. Wade, Ph.D., and Alexander F. Bobrov, Ph.D. Presented at Health: Its Essence, Diagnostic and Strategies for Improvement Conference at Radom, Poland, May, 1999.

Symposium organizer, 1st Biennial Scientific Conference on Down Syndrome, Vancouver, Canada, April 2-4, 1998.

Two invited lectures as the Inaugural Robin Grey Research Fellow in the Dept. of Human Movement Science, University of Western Australia, Perth, Australia, March 15-June 1, 1994: 1. "Vision, Posture, and Aging: The role of optical flow in maintaining upright posture.", 2. "Periodicity as a Signature of Coordination and Control: Problems with atypical motor behavior."

Invited Lecturer, "The Role of Vision in the Control of Coordination." Department of Psychology, Curtin University, Perth, Australia. May 15, 1994

Lecturer, "Visual Regulation of Gait in Bipedal Locomotion: Revisiting Lee, Lishman and Thompson" (1982). VII International Conference on Event Perception and Action, Vancouver, Canada, August 9-13, 1993 (with W.P. Berg and N. Greer).

Invited Lecturer, "The Role of Motor Learning in Sport Science." 1993 International Conference on Sport Training Science. University of Taichung, Taichung, Taiwan, June 10-12, 1993.

Invited Lecturer, "Optical Flow and the Control of Posture in the Elderly." NATO Advanced Research Workshop, Bad Windsheim, Germany, September 12-13, 1992.

Invited Lecturer, "Interlimb Coordination in Atypical Development: Aperiodic Behavior in Persons with Down's Syndrome", Human Frontiers of Science Program, Leuven, Belgium, June 1-5, 1992.

Invited Lecturer, "Bi-manual Coordination in Normal and Handicapped Persons", NATO Advanced Study Institute, Corsica, Italy, September 16-24, 1990.

Invited Lecturer, "Motor Learning and Control", Distinguished Lecture, National Taiwan Normal University, Taipei, Taiwan, R.O.C., July 16-July 27, 1990.

Invited Lecturer, "Application of research on children's motor development to teaching," Conference on Elementary Physical Education, Taipei, Taiwan, R.O.C., August 2, 1990.

Invited Lecturer (two lectures), "The Relationship Between Motor Learning Research and The Teaching of Physical Education" and "The Development and Practice of Sport Psychology and Elite Performance," Shandong College of Physical Education, Jinan, Shandong Province, P.R.C., October 11-19, 1989.

Invited Lecturer, "Periodic Elements of Athletic Performance," Taiwan Normal University, Taiwan, R.O.C., August 8, 1989.

Invited Speaker, "The Changing Framework of Physical Education: New Name, New Responsibilities." Paper presented to the Republic of China University Sports Federation, Nation Sun-Yat-Sen University, Kaohsiung, Taiwan, R.O.C., August 5, 1989.

Invited Speaker, "Vision and Postural Control in Normal and Mentally Handicapped Persons," International Conference on Event Perception's and Ecological Psychology, Trieste, Italy, August 24-28, 1987.

Invited Talk, "Motor Skills and Music: Contrasting Styles of Control," International Conference on Music and Child Development, Denver, CO, July 7-11, 1987.

Director, "Motor Skill Acquisition in Children: Aspects of Coordination and Control," NATO Advanced Study Institute, Maastricht, Netherlands, July 14-24, 1985.

Invited Reactor, "Cognition and Action," NATO/ASI, Maastricht, Netherlands, July 14-24, 1985.

"Optical Flow Field Perturbations and Postural Control in Children," Human Movement Science Faculty, The Free University of Amsterdam, Amsterdam, Netherlands, January 10, 1985.

"Role of Vision in Postural Control," Free University, Amsterdam, Netherlands, January 7, 1985.

Invited Reactor, "Cognitivism and Realism, Symposium on Perception and Action," XXIII World Congress of Psychology, Acapulco, Mexico, September 4-7, 1984.

Invited Speaker, Three Day Seminar on Curriculum Development in Physical Education, Ministry of Sport and Education, Belize City, Belize, February 1984.

Invited Speaker, "Training Skills in the Mentally Handicapped," International Symposium on Motor Skills and the Handicapped, University of Quebec a' Trois-Rivieres, P.Q., Canada, June 1979.

Invited Speaker, "Developmental Skill Learning," International Conference on Psycho-Motor Learning, University of Quebec a Trois-Rivieres, P.Q., Canada, June 1979.

Invited Speaker, "Periodic Elements in the Play of Young Children," International Conference on Human Ethology, University of Sheffield, Sheffield, England, July 1978.

Invited Speaker, "Decision Time and Movement as a Function of Response Complexity in Retarded Persons," Canadian Psycho-Motor Learning Annual Meeting, Banff, Alberta, Canada, October 1977.

Invited Speaker, "The Effects of Methylphenidate in the Motor Skill Acquisition of Hyperactive Children," International Symposium on Motor Learning, Wingate Institute, Nethanya, Israel, 1976.

Invited Speaker, "Short Biorhythms in Children's Play," Canadian Association for Health, Physical Education and Recreation meeting, Waterloo, Ontario, Canada, 1971.

Invited Speaker, "Response Strategy in Learning Time Estimation," International Congress of Sports Psychology, Washington, DC, 1968.

National Conferences, selected

Symposium Organizer: 'I act therefore I know' Annual meeting NASPSPA Tucson Arizona. June 10-12., 2010.

'Postural and heart rate responses as a function of task demand in children at risk for developmental coordination disorder. Presentation (with Chen Fu-Chen) at NASPSPA Tucson, AZ. June 10-12, 2010.

On embodied cognition and its relevance for movement science. Presentation (with T A Stoffregen) at NASPSPA meeting Tucson, AZ. June 10-12.2010

Symposium Organizer. Posture and perceptual Performance in Typical and Atypical Populations. Annual meeting of the North American Society for the Psychology of Sport and Physical Activity (NASPSPA), Niagra Falls, Canada, June 7th 2008.

Invited Lecturer: National Cheng - Kung University, Tainan Taiwan. September 2009. 'Aspects of coordination and Control: Models, Methods and Modes of Inquiry' Two lectures presented to; 1. The Department of Physical, 2. The Department of Physical Therapy.

Conference presentation: 'Effects of Aging and Experience on perceiving rod length via dynamic touch'; Paper presented at the Interdisciplinary Conference on Human Performance (IHP), San Diego, April 1-3, 2007.

Invited Conference presentation 'Quo Vadis Kinesiology?' Annual meeting of the American Academy of kinesiology (AAKPE), Tucson, Arizona, September 2006

Mubarak Redha, Robert Serfass, FACSM, Carl Foster, FACSM, Justy Reed, Michael Wade. "Error Rates in Tennis Related to Relative Heart Rate." Presented at the American College of Sports Medicine's 49th Annual Meeting, June 2002.

Invited Senior Scholar Lecture. North American Society for the Psychology of Sport and Physical Activity (NASPSA). Baltimore, MD, June 7, 2002.

The Effect of Aging on Adaptive Eye-Hand Coordination. Prepared by Jinhua Guan, Ph.D., and Michael G. Wade, Ph.D. Presented at NASPSA Conference. Clearwater Beach, FL, June 11, 1999.

"The Hand as a Control System: Implications for Hand-Finger Dexterity During Extended EVA." NASA 12th 'Man in Space' Conference (Smith and Wade), Washington DC, June 8-13, 1997.

Paper presented (with Graeme Jones, Paul Cassidy, Alice Englehart, and Alongkot Emasithi) "Visual-Postural Coupling in the Elderly". NASPSPA Annual Meeting, Toronto, Canada, June 8, 1996.

"Periodicity as a Marker in Human Motor Performance." Annual meeting of NASPSPA, Brainerd, Minnesota, June 3-6, 1993.

"The Importance of Coordination and Control in the Effective Practice of Therapeutic Science. Key Functional Assessments, Inc., Annual Conference, Minneapolis, MN, October 10, 1992.

"Flow Structure and Retinal Location in the Optical Control of Posture in the Aging" (with John Taylor and Ruth Lindquist). Paper presented at the Annual Meeting of the Gerontological Society of America, San Francisco, CA, November 22-26, 1991.

"Flow Structure and Retinal Location in the Optical Control of Posture in the Aging" (with John Taylor and Ruth Lindquist). Paper presented at a symposium entitled "Visual Control of Movement: Real World Applications." Annual Meeting of NASPSPA, Monterey, CA, June 13-16, 1991.

"Control and Coordination in Normal and Mentally Handicapped Persons: A Preliminary Report" (with Jeffrey Caird). Poster presented at the Gatlinburg Conference on Mental Retardation, Brainerd, MN, April 1990.

"Kinesiology: A Name for the Field." Paper presented to the American Academy of Physical Education, Boston, MA, April 12, 1989.

"Why Are We Here?" Paper presented at the Big 10/American Academy of Physical Education Leadership Conference, Chicago, IL, December 6, 1988.

Invited Talk, "Implication of the Holmes Group Report for Professional Preparation in Physical Education," National Association of Physical Educators in Higher Education, Houston, Texas, January 8-11, 1987.

Invited Keynote Speaker, "New Research Directions," National Consortium on Physical Education and Recreation for the Handicapped, Chicago, IL, July 31, 1987.

Invited Talk, "Funding in the Movement Sciences at the Federal Level", NASPSPA Annual Meeting, University of British Columbia, Vancouver, B.C., Canada, June 4, 1987.

Invited Lecturer, "A Neurobehavioral Analysis of Motor Skill Learning", The Annual Conference in the Movement Sciences, Teachers College, Columbia University, New York, NY, November 7, 1987.

"Issues in Children's Problems of Stability: A Reply," AAHPERD National Meeting, Cincinnati, Ohio, April 10, 1986.

Invited Talk, "Vision, Posture and the Developmentally Disabled," the International Society for Ecological Psychology Lake-Forest College, IL, May 23, 1986.

"Developmental Aspects of Attention and its Relation to Athletic Performance," Attention and the Athlete Symposium, NASPSPA Annual Meeting, Gulfport, Mississippi, May 25-28, 1985.

"Kinematic Profiles in the Development of Throwing: Maturation or Learning?" AAHPERD Research Symposium, Anaheim, California, April 1984.

"Visual Perturbations and the Control of Posture in Normal and Mentally Retarded Persons," Perception and Action Symposium, NASPSPA Meeting, Eugene, Oregon, July 21, 1984.

Chairman, "Coordination, Control and Skill in the Mentally Handicapped," Sixteenth Annual Gatlinburg Conference on Research in Mental Retardation and Developmental Disabilities, Gatlinburg, Tennessee, March 16-18, 1983.

"Timing and Precision in Motor Skill Behavior of the Mentally Handicapped," Sixteenth Annual Gatlinburg Conference on Research in Mental Retardation and Developmental Disabilities, Gatlinburg, Tennessee, March 16-18, 1983.

"Biological Mediators of Children's Play," Annual Meeting of American Association for the Anthropological Study of Play, University of Western Ontario, Canada, April 1-3, 1982.

"Issues in Reaction Time of Mentally Handicapped Persons. Inspection Time or Response Complexity?" 14th Gatlinburg Conference on Mental Retardation, Gatlinburg, Tennessee, March 1981.

Chairman, "Intelligence and Motor Development," Annual Conference, North American Society for the Psychology of Sport and Physical Activity, Asilomar, California, May 1981.

"Timing Behaviors in Children," Big-10 Symposium on Motor Development, University of Iowa, Iowa City, April 1980.

"Timing Behavior in Mentally Handicapped Workers," 13th Gatlinburg Conference on Mental Retardation, Gatlinburg, Tennessee, March 1980.

"The Importance of Motor Skills in Play and Work," American Association for Mental Deficiency Annual Meeting, Miami, Florida, May 1979.

"Optimizing the Child's Interaction with his Physical Environment," AAHPERD Meeting, Kansas City, April 1978.

"Motor Learning of the Mentally Handicapped," Mainstreaming Curricula in Adapted Physical Education Symposium, Bureau of Education for the Handicapped (BEH), University of Colorado, Denver, CO, November 1978.

"Categories of Disabilities and Their Influence on the Motor Performance of Children," Practical and Conceptual Problems in the Linking Between Assessment and Programming for Motor Disabled Children Symposium, Milwaukee, Wisconsin, 1976.

"Timing Behavior in Children," North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Meeting, Austin, Texas, 1976.

"Issues Related to Promotion and Tenure," Society of Park and Recreation Educators (SPRE), National Recreation and Park Association (NRPA) Congress, Dallas, Texas, 1976.

"Research Findings in Motor Learning in the Retarded—Implications for the Practitioner," American Association on Mental Deficiency (AAMD) National Convention, Portland, Oregon, 1975.

"Promotion and Tenure," Society of Park and Recreation Educators (SPRE), National Recreation and Park Association (NRPA) Congress, St. Louis, Missouri, Fall 1974.

"Developmental M and M's: Qualitative Skill Acquisition," North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Meeting, Anaheim, California, 1974.

"Research Directions in Motor Skill Development in Children," North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Conference, Allerton Park, Monticello, IL, 1973.

"Performance Criteria on the Stabilometer and Implications for Strategy," North American Society for the Psychology of Sport and Physical Activity (NASPSPA), Houston, Texas, 1972.

"Biorhythms and Activity Levels in the Free Play of Institutionalized Mentally Retarded Children," American Alliance for Health, Physical Education and Recreation (AAHPER) Convention, Houston, Texas, 1972.

"Research Focus at the Motor Performance and Play Research Laboratory," North American Society for the Psychology of Sport and Physical Activity (NASPSPA), Detroit, 1971.

"Short Biorhythms in Children During Free Play," American Psychophysiological Society research meeting, New Orleans, Louisiana, 1970.

"Design of a Proficiency Examination for a Foundations Course in Physical Education," American Alliance for Health, Physical Education and Recreation (AAHPER) Convention, St. Louis, Missouri, 1967.

Universities and Colleges, selected

Invited colloquium; University of Texas at Austin. 'Estimates of length perception via dynamic touch in older adults: the role of age and experience.' Austin, Texas, April 11, 2007.

Invited Faculty Presentation to Center for Cognitive Science, University of Minnesota, April 2005

Invited Lecture, "Developmental Coordination Disorder: Theory and Research." Kinesiology Faculty, Penn State University, February 2002.

Invited Lecture, "Optical Flow and the Control of Posture in the Elderly." Scripps Gerontology Center, Miami University, Oxford, OH, October 19, 1992.

Invited Talk, "Vision and Postural Control in Aging," 25th Reunion of CRLPC, Minneapolis, MN, September 28, 1991.

Invited Talk, "Vision, Posture and the Developmentally Disabled," Biomedical Engineering Seminar, Division of Health and Computer Sciences, University of Minnesota, February 2, 1988.

Invited Talk, "Vision and Postural Control in Normal and Mentally Handicapped Persons, Center for Research and Learning Perception and Cognition, University of Minnesota, May 1986.

"Administrative and Leadership Styles in Departments of Physical Education and Recreation," University of Minnesota, Minneapolis, May 1985.

"Visual Perturbation and the Control of Posture at Different Levels of Development," Department of Physical Education, University of Iowa, Iowa City, Iowa, October 12, 1984.

"Interdisciplinary Research in Sports Studies," Department of Sport and Leisure Studies, University of Connecticut, Storrs, Connecticut, August 8, 1984.

"Future of Physical Education in Universities," Southern Illinois University Physical Education faculty, May 1981.

"Training Motor Skills in the Mentally Retarded," Department of Kinesiology, UCLA, Los Angeles, April 1980.

"Conventional and Unconventional Interpretation of Children's Timing Behavior in Motor Skill Development," Department of HPER, Penn State University, State College, Pennsylvania, March 1980.

"Skill Training in the Retarded," Mental Retardation Program Students and Faculty, Department of Psychology, University of Connecticut, January 1980.

"Fitt's Law and the Measurement of Response Complexity," Department of Physical Education, University of Texas, Austin, February 1978.

"Human Kinetics—What Is It?" University of Guelph, Guelph, Ontario, Canada, 1975.

"Graduate Education in Leisure Studies," Graduate College University of Iowa, Iowa City, 1974.

"Colloquia on Motor Development," Department of Human Kinesiology, UCLA, 1974.
"Strategies in Motor Skills," Institute on Mental Retardation and Intellectual

Development (MRID), George Peabody College, Nashville, TN, 1973

."Skill Acquisition and the Measurement of Response Strategies in Children's Motor Skill," Department of Human Kinesiology, University of California at Los Angeles, CA, 1972.

"Periodicity in Children's Activity Levels," Faculty of Medicine, McMaster University, Hamilton, Ontario, Canada, 1971.

Editorial Duties for Journals and Publishers

Current Reviewer

Developmental Medicine and Child Neurology.
The Gerontologist.
Developmental Science.
Journal of Gerontology: Psychological Sciences.
Journal of Intellectual Disability research
Behavioral and Brain Sciences.
Research Quarterly for Exercise and Sport
Gait & Posture.
Human Movement Science
Experimental Brain Research

Past Reviewer

Masthead Associate Editor, Motor Control.	1996- 2007
Masthead Associate Editor, American Journal of Mental Retardation,	1996-1998
Associate Editor, Journal of Human Movement Studies,	1996-1999
Associate Editor, Journal of Motor Behavior	1976-1992
Consulting Editor American Journal of Mental Deficiency	1983-85 and 1993-1995

Regular Reviewer

Developmental Medicine & Child neurology
Child Development
Current Aspects in Motor Development
Developmental Psychology
Human Movement Science
Journal of Experimental Psychology
Developmental Science
Journal of Leisure Research
Leisure Sciences
Medicine and Science in Sport
Pediatric Psychology
Gait & Posture
Child Care & Health Development

Consulting and Scientific Service, international and Federal

Ad Hoc Advisory Editor - Contemporary Psychology.

Invited Participant NSF Workshop “The Science of Learning’ Feb. 4-6, 2015,
Washington DC

Invited member NSF Committee of Visitors 2012

IX International Conference on Developmental Coordination Disorder. Lausanne,
Switzerland June 2011. Member Scientific Committee.

NSF Science and Technology Division Panel B #112181 2011

NSF Science and Technology Centers, Pre-proposal Preview Panel B. 2011

Veterans Administration Study Section ‘Aging and Degenerative Diseases’, 2011-current

NSF Graduate Student Fellowship Review section. March 2010 Washington DC.

* Emerging Team Grant: Children with Disabilities Committee: Canadian Institute of
Health Research (CIHR), 2008-2009

* Grant reviewer for “Sparks” The Children’s Medical Research Charity, London
England. 2009.

* NSF Merit Review Committee Graduate fellowships 2009.

* Member, National Institute of Health (NICHD) Subcommittee on Psychobiology,
1983-1985.

Research Interests

Aging and Motor Skills

Human Factors and Ergonomics

Motor behavior of children with special needs

Motor Skill Development in Children across the Life Span

Problems of Coordination, Control and Motor Skill Learning in Populations with Motor difficulties

Grant Submissions

Recent

PI Wade, M G . Smith, T., J. & Papanikolopoulos, N . 'Driver Interaction with Permissive –Only Left Turn Flashing Yellow Arrow Traffic Control Displays-Vehicle Dynamics ,Signal Control and Traffic Safety.' Submitted to CTS/MNDOT.(\$120500 -Direct)- 2011 **Not funded**

PI Wade, M G ., Smith T. J .& Papanikolopoulos, N. 'Warning Efficacy of stop Signs With and Without Active Flashers. Submitted to CTS/MnDOT (\$138,500-Direct) 2010. **Not funded**

PI Wade, M G ., Smith T., J., & Papanikolopoulos, N., 'Driving Performance and Safety at Roundabouts. Submitted to CTS/MnDot (\$131,000 Direct costs) 2010 **Not funded**

Smith T J , & Wade M G. 'Usability of Alternative Human-Vehicle Interface Designs to Support Performance in Older Drivers-Field Testing with Low Cost, Automated Traffic Monitoring System. (2 year request \$ 440,000).- Submitted to Nine Sigma Inc., Cleveland Ohio. **Not Funded**

CO-PI (with Thomas Stoffregen) NSF/PIRE (Program on International Research and Education). \$2.5 Million total costs for 5 years. **Note this was a competitive submission chosen by the U of M from 3 on campus submissions, and was 1 of the 70 chosen by NSF from 500 submissions nationwide!** Submitted February 2007. **Not Funded**

Funded Research

College of Education Summer Research Fellowship Award. 'Sensitivity to point- light displays in autistic children'. \$5000.00 Summer, 2010.

Principal Investigator. Laboratory investigation with Smart Information Flow Technologies (SIFT). Sub-contract for project entitled *Culture, Etiquette and Performance*. Contract dates - 4/14/2006-4/13/2008; \$164,000.

Principal Investigator. *Perceptual Motor Ability of Children Diagnosed with Development Coordination Disorder*. University of Minnesota Graduate School Grant-in-Aid July 2005-2007. \$ 23,288.

Principal Investigator. *Deer Avoidance Research –Use of Motion Detector Flashing Light*. MN Department of Transportation 2001-2004. \$50,706.

Principal Investigator. *Accident Analysis on Low-Volume (Very Low-Volume) County and Township Roads*. MN Department of Transportation 2001-2003. \$41,409.

Principal Investigator. *Driver's "Blindspots" at Rural Intersections*. MN Department of Transportation. 2000-2001. \$45,000

Investigator. *A Fall Prevention Program for High Risk Elderly Women*. National Institute of Health. 2000-2001. \$3,197,897

Simulation Validation, MN Dept. of Transportation, P.I. - M.G. Wade, 1997-1998. (\$49,823).

Human Factors Evaluation of The ETAK/Delco In-Vehicle Navigation System, MN Dept. of Transportation, P.I. - M.G. Wade, March 17, 1997-June 30, 1998. (\$49,960).

Effect on Driver Performance of Advanced Warning Flashers at Signalized Intersections, MN Dept. of Transportation, P.I. - M.G. Wade, April 27, 1998-July 31, 1998. (\$30,976).

Development and Testing of a Novel System for Prompting and Monitoring Exercise Behavior in Older Adults, Academic Health Center, J. Wyman, C. Boulton, R. DiFabio, C. Gross, J. Konstan, R. Lindquist, M.G. Wade, April, 1998. (\$150,000)

Increasing Trip Capacity Through Traffic Calming, MN Dept. of Transportation, Co-P.I.'s - M.G. Wade and S.P. Stackhouse, 1995-1996. (\$26,500)

Effective Speed Reduction in Work Zones, MN Dept. of Transportation, Co-P.I.'s - M.G. Wade and S.P. Stackhouse, 1995-1996. (\$39,137)

Flashers at Rural Intersections (FRI). MN Dept. of Transportation, Co-P.I.'s - M.G. Wade and S.P. Stackhouse, May 1, 1995-April 30, 1996. (\$43,572)

Genesis-Human Factors of Message Formats and In-Vehicle Devices, MN Dept. of Transportation, Co-P.I.'s - M.G. Wade and S.P. Stackhouse, 1995. (\$15,587)

Novel Award for Post-Doctoral Research. Novel Electronics, Inc., January 1995. (\$15,000)

Programmatic awards

IVHS Concepts: Creation of a Wrap-Around Transportation Simulator. US Dept. of Transportation, Co-P.I.'s - M.G. Wade and P.A. Hancock, September 1, 1994-September 1, 1995. (\$80,000)

- Human Factors Research Program, Phase I. MN Dept. of Transportation, Co-P.I.'s P.A. Hancock and M.G. Wade, June 1, 1994-June 30, 1995. (\$227,000)
- Lighted Guidance Devices: Intelligent Work Zone Traffic Control Highways. MN Dept. of Transportation, Co-P.I.'s - M.G. Wade and M. Verduyssen, March 31, 1994-January 31, 1995. (\$62,000)
- New Retroreflective Sheeting Materials on Highway Signs. MN Dept. of Transportation, Co-P.I.'s - M.G. Wade and S.P. Stackhouse, September 1994-September 1995. (\$25,000)
- Human Factors Evaluation of Ford Indicta Radio Data System. MN Dept. of Transportation PI May 1994-December 1994. (\$50,000)
- Participant support costs (travel) for U.S. delegates to NATO/ASI, National Science Foundation, Netherlands July 16-24, 1985. (\$13,000)
- “Motor Skill Development in Children: Aspects of Coordination and Control,” NATO Advanced Study Institute Awardee, NATO Scientific Affairs Division, July 1985. (\$25,000)
- “Motor Skill Development in the Mentally Handicapped: Issues in Control and Coordination,” National Institute Child Health and Human Development (NICHD), Division of Mental Retardation, Conference Award, Washington, DC, September 28-29, 1984. (\$12,000)
- National Institute Child Health and Human Development (NICHD) 1979-1982. (\$90,000)
- “Response Complexity in the Motor Skill Performance of Retarded Persons,” Illinois Department of Mental Health and Developmental Disabilities, 1976-1981. (\$75,000) (with Newell, K. M.)
- “Motor Skill Development in Children,” National Institute Child Health and Human Development (NICHD), 1974-1979. (\$145,000)
- “Motor Development Research,” Scholarly Directions Committee NCPEAM/NA/PECW, Seattle, WA, July 15-18, 1974. (\$1,051)

Students advised and mentored

University of Illinois, 1970-1981

Master's Students, completed

Lynn Barnett
Pat Bennet
Carmine Cartuzzo
John Hoover
Sandra Martin
Patricia McLellan
Richard Scott
Claudia Washburn

Ph.D. Students, completed

Lynn Barnett
Kevin Field
Steve Houseworth, (Co-Chair)
Marilyn Miller, (Co-Chair)
Bruce Morehouse
Hazem Rafig, (Co-Chair)
Mark Ricard, (Co-Chair)
Lance Wuellner

Southern Illinois University at Carbondale, 1981-1986

Ph.D. Students, completed

John Hoover
Paul Smith, (Co-Chair)
Donald Sussman, (Co-Chair)
Julie Wood, (Co-Chair)

University of Minnesota, 1986-present

M.A. Students, completed

Douglas Anderson	KIN	5/17/2002
Angela Turner	KIN	3/14/2003
Douglas Anderson	KIN	5/17/2002
Gia Gillotte	KIN	6/23/2001
Garrick Larson	KIN	5/20/2001
Corwyn Sondrol	KIN	8/15/1995
Michael Noonan	KIN	2/1/1995
Kathryn Ehrich	KIN	4/15/1994
Julianne Haecherl	KIN	10/15/1993
Petcharatana Bhuanantanondh	KIN	6/30/2003

Gretchen Ellis	KIN	5/31/2000
Anna Cianciolo	Psy	12/31/1997
Graeme Jones	KIN	7/31/1997
Troy Roehrs	KIN	8/30/1996
Tammy Roehrs	KIN	6/28/1996
Julie Graft	KIN	6/30/1993
Pamela Gleason	KIN	4/30/1992
Gareth Davies	Phys. Educ	9/28/1990

M.A. Students Committee Member/Reader

Sen-Hang Wong	KIN	5/29/2003
Christopher Keran	KIN	2/1/1997
Duane Gove	KIN	4/15/1996
Linda Gentling	KIN	4/15/1993
Janice Nawrocki-Storms	Rec/Pk	4/15/1993

M.A. Students, completed

Emily Sunderberg	KIN	5/30/2010
Husain Almekaimi	KIN	5/30/2003
Mark Hughes	KIN	6/29/2001
Stacey White	KIN	5/31/2001
Carrie Sampson	KIN	2/28/2001
Amy Terhaar	KIN	12/29/2000
Paul Cassidy	KIN	1/31/2000
Tami Loesch	Rec/Pk	6/30/1999
Thomas Kiff	KIN	6/30/1997
Jeffrey Lewin	KIN	12/31/1996
Sandra Charron	Comm.Disord.	7/31/1996
Colleen Edwards	KIN	4/15/1996
Michael Dancisak	KIN	11/30/199
Diane Kohen	KIN	
Cheryl Nelson	KIN	8/31/1995
Gayna Williams	KIN	5/31/1995
Michael Morrey	KIN	4/28/1995
Jeffrey Seifriz	Rec/Pk	3/31/1995
Steven Bradley	Rec/Pk	2/28/1994
Lisa Vincent	KIN	
Joanne Mooney	Educ.	4/30/1991
Nan Palmateer	Phys.Educ	6/30/1988

M.S. Students Committee Member/Reader

Melissa Gross	Physical Therapy	5/5/2003
Andrew Fernando Reed	Phys.The.r	5/31/2002
Jennifer Leigh Fischer	Occup. Ther.	1/31/2002

Virginia Hetzer	Nurs	12/28/2001
Kathy Burlingame	Nurs	1/31/1996
Susan Westphal	Nurs	2/28/1995
Valerie Lindeman	Sci/TCom	3/31/1994
Dana Mae De Long Botz	Nurs	11/30/1994
Lin-Erl (Linda) Wu Nursing.		

Ph.D. Student advisees, completed

Mosaid Alalyani	KIN	5/30/2010
Moez Baklouti	KIN	10-1-05/5-15-08
James Hackney	KIN	10/15/1998-2007
Daniel Johnson	KIN	7/9/2003-2007
Chih-Hui Chang	KIN	3/31/2003-2007
Petch. Buanantonah	KIN	8/19/2002-2005
Husain Almekaimi	KIN	8/14/2002-2005
Kristi Mally	KIN	5/30/2003
David Barrett	KIN	6/28/2002
Mubarak Redha	KIN	11/30/2001
Michael Dancisak	KIN	12/29/2000
Paul Cassidy	KIN	1/31/2000
Richard Rodgerson	KIN	1/17/2000
Curtis Hammond	KIN	10/26/1999
Jinhua Guan	KIN	12/31/1998
Karel Zuzak	KIN	8/31/1998
Junling Jwo	KIN	8/29/1997
Marla Ann Okner	KIN	7/31/1997
Peter Rattigan	KIN	6/30/1997
Thomas Kernozek	KIN	11/30/1994
Virgil Mathiowetz	KIN	12/31/1991
William Berg	KIN	7/31/1991
Chen-Hsing Huang	KIN	2/28/1991
James Carey	KIN	6/30/1988

Ph.D. students, completed in 2010- 2015

Mosaid Alalyani	Assist. Prof King Saud University Saudi Arabia
Azizah Jor'dan	Post-doc fellow Harvard medical School
Sager Almulla	Assistant prof. College of PE Kuwait.
Ward Glasoe	Faculty Physical Therapy Univ. of Minnesota
Fu-Chen	Assistant prof. PE Pintung Univ Taiwan.
Sam Haag	Assist prof. Concordia College St Paul MN

Ph.D. students, graduated in 2015

Khaled Alsharji	Assist. Professor. College of Physical Education. Kuwait.
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Jeanne Lojovich| Dept. PT University of Minnesota (Co-advised w/ James Carey)
Lisa Gasior-Kappes Assist . Prof. College of St. Scholastica, Minnesota.

Current Ph.D. students

Luke Benoit
Mohamed Hassan
Ruth Rath

PHD Committee member Completed:

Susan Novotny		
Chia- hao Lu		
Chris Chen		
Ken Yoshida		
Jean Larson	RPLS	
Chungon Kim	KIN	11/26/2002
Phillip Esten	KIN	8/6/2001
Randy Harney	KIN	2/8/2001
Joah Iannotta	KIN	6/30/2003
Nancy Flinn	Ed Psy	5/30/2003
Chun Feng (Joy) Lin	Ed.	3/31/2003
Virginia Dahlstrom	KIN	2/28/2003
Chryle Elieff	Child Psy	9/2/2002
Stacy Ingraham	KIN	7/31/2002
Eduardo Fernandez Cantelli	Educ.	10/31/2000
Karen Skemp	KIN	5/31/2000
Barbara Hokkanen	KIN	12/30/1999
Susan Sokolowski	Dsgn/Hs/Ap	10/29/1999
Diana Avans	KIN	12/31/1998
Kevin Field	Psychol.	9/30/1998
Suyen Liu	KIN	7/31/1997
Patricia Poluha	Comm.Disorders	6/30/1997
Barry Miller	KIN	4/30/1997
Michael Manser	KIN	3/31/1997
Michael Morrey	KIN	2/28/1997
Stephen Scallen	KIN	2/28/1997
Daniel Halvorsen	KIN	12/31/1996
Judith Ray	KIN	5/31/1996
Claudelle Carruthers	KIN	9/29/1995
Marian Heinrichs	Child Psy.1/31/1995	
Eric Lamott	KIN	7/29/1994
Robert Rausch Jr.	KIN	7/29/1994
Yi Luo	KIN	6/30/1994
Jeffrey Caird	KIN	4/29/1994
Joann Buysse	KIN	10/30/1992

Jin Wang	KIN	5/29/1992
Mark Richardson	KIN	8/30/1991
Jodie Plumert	ChildPsy	12/28/1990
Karen Stube	Phys.Educ	4/30/1990
Karl Rosengren	ChildPsy	1/31/1989
Harry Krampf	Phys.Educ	8/31/1988

NOTE: In addition, I have served as a committee member and reader on numerous other M.A. and Ph.D. committees over the past 42 years.
