

Michael Turvey

pioneering work in ecological psychology



Michael T. Turvey is the Board of Trustees' Distinguished Professor of Experimental Psychology at the University of Connecticut and a Senior Scientist at Haskins Laboratories in New Haven, Connecticut. He is best known for his pioneering work in ecological psychology and in applying dynamic systems approach for the study of motor behavior. He is the founder of the *Center for the Ecological Study of Perception and Action*. His research spans a number of areas including: dynamic touch and haptics, interlimb coordination, visual perception and optic flow, postural stability, visual word recognition and speech perception. Along with William Mace and Robert Shaw, he has been one of the leading explicators of the ecological psychology of J. J. Gibson. His pioneering work with J. A. Scott Kelso and Peter N. Kugler introduced the physical language of complex systems to the understanding of perception and action. He also helped to introduce the ideas of Russian motor control theorist, Nikolai Bernstein, and his colleagues to a larger audience. Working with Georgije Lukatela and others at Haskins Laboratories, he exploited the dual nature of the Serbo-Croatian orthography to help understand word recognition.

Turvey is also the winner of the IgNobel Prize in Physics along with Prof. Ramesh Balasubramaniam of Cognitive & Information Sciences at the University of California, Merced for exploring and explaining the dynamics of hula-hooping. (*Reference*: "Coordination Modes in the Multisegmental Dynamics of Hula Hooping," Ramesh Balasubramaniam and Michael T. Turvey, *Biological Cybernetics*, vol. 90, no. 3, March 2004, pp. 176–90.)

- Cognitive science
- Embodied cognitive science

- Experimental psychology
- Haptic perception
- Ecological psychology
- Dynamic systems
- Haskins Laboratories
- Perception
- Psychology
- University of Connecticut
- Center for the Ecological Study of Perception and Action
- Haskins Laboratories
- Turvey page at Uconn
- University of Connecticut Psychology

MICHAEL T. TURVEY

Center for the Ecological Study of Perception and Action, Department of Psychology, 406 Babbidge Road
University of Connecticut, Storrs, CT 06268

(email: michael.turvey@uconn.edu)

and

Haskins Laboratories, 270 Crown Street, New Haven, CT 06150

Education:

DLC 1963 Physical Education, Loughborough College, England (First Class Honors)

M.A. 1964 Physical Education, Ohio State University

Ph. D. 1967 Experimental and Physiological Psychology, Ohio State University

Honors, Awards, Fellowships:

Wortley Prize, Institute of Education, Nottingham University, 1963

Ohio State University Graduate Student Teaching Excellence Award, 1967

John S. Guggenheim Memorial Foundation Fellowship, 1973

Early Career Award, American Psychological Association, 1974

University of Connecticut Alumni Association Award for Teaching Excellence, 1975

Fellow at Center for Advanced Study in the Behavioral Sciences, Stanford, CA, 1980

The Honored Professor in Humanities and Social Science, University of Connecticut, 1984

James McKeen Cattell Fellowship, 1987

Connecticut Academy of Arts and Sciences (elected 1994)

University of Connecticut Alumni Association Distinguished Professor 1994-1997

Honorary Doctor of Philosophy, Vrije Universiteit, Amsterdam, 1995

Distinguished Scientist Lecturer, American Psychological Association, 1998

Fellow of the Society for Experimental Psychologists (elected 1999)

University of Connecticut Board of Trustees' Distinguished Professor, 2000

American Psychological Foundation F. J. McGuigan Lecturer, 2003

National Science Foundation Distinguished Speaker, 2003
Fellow, Japan Society for the Promotion of Science, 2004
“Ig Nobel” Prize in Physics, 2004
Ohio State University, Department of Psychology, Distinguished Alumnus Award 2006
Chair, Society of Experimental Psychologists 2007
Selection Committee, Connecticut Medal of Science 2007-2011
President of the International Society for Motor Control 2007-2011
Bernstein Prize in Motor Control (International Society for Motor Control) 2009
Lifetime Achievement Award, Society of Experimental Psychologists 2011
Honorary Doctor of Humane Letters, Florida Atlantic University 2011
Glushko-Samuelson Distinguished Cognitive Scientist Award (for Pioneering Research in Cognitive Science), 2012
Ohio State University College of Education and Human Ecology Career Achievement Award, 2013
Association for Psychological Science (Inaugural) Lifetime Mentor Award, 2013
<http://www.psychologicalscience.org/index.php/video/michael-t-turvey-aps-2013-mentor-award.html>
Marquis Who’s Who in America (Science & Engineering), 2017

Professional Societies:

International Society for Ecological Psychology
International Society for Motor Control
Association for Psychological Science

Editorial Boards (current)

Ecological Psychology, Journal of Motor Behavior, Motor Control.

Grant Reviewer, Grant Review Panels, and Award Committees

National Science Foundation, National Institutes of Health, Air Force Office for Scientific Research, Israeli NSF, Canadian NSF, Netherlands NSF, Australian NSF, French NSF, NSF Review Panel for “Perception, Action and Cognition”, Chair US NSF Steering Committee on Integrated Cognitive Science, APS Lifetime Mentor Award Committee.

Field of Specialization:

Cognitive Science

Research Interests:

Perception and Action; Reading and Language

Grants:

NICHD Acquisition of the Speech Code and Reading (awarded to Haskins Laboratories), 1970 to 2012 (competitive renewal).
NICHD Processes Basic to Reading in Serbo-Croatian (with G. Lukatela), 1975 – 1990 (competitive renewal).
ONR Processes of Movement Coordination (awarded to Haskins Laboratories), 1982-1987.
NSF Haptic Perceptual Instruments (with C. Carello), 1987 to 2012 (competitive renewal).
NSF Coordination Dynamics, 1988 to 2007 (competitive renewal).

NSF INSPIRE Grant (J. Dixon, PI) Development of Perception-Action in Non-living, Dissipative Systems, 2013-2016

Ph.Ds R. Ingles, Claire Michaels, R. Weeks, S-W Kuo, Edie Sullivan, R. Doost, P. Rubin, R. Remez, Hollis Fitch, Laurie Feldman, M. Kitzman, Betty Tuller, A. Kostic, Y. Solomon, P. Kugler, Dragana Barac-Cikoja, D. Williams, B. Kay, G. Burton, L. Rosenblum, R. Schmidt, C. Pagano, T-C Chan, J. Kinsella-Shaw, P. Treffner, Dagmar Sternad, E. Amazeen, Terri Erwin, A. Peck, D. Collins, S. Mitra, M. Russell, B. Fajen, M. Riley, R. Balasubramaniam, K. Shockley, H. Park, B. Galantucci, S. Harrison, T. Rhodes, Paula Silva, Stacy Lopresti-Goodman, N. Stepp, Stephanie Petrusz, Daniela Vaz.
Co-advisor: J. Todd, Carol Fowler, T. Johnston, W. Warren, G. Bingham, D. Todorovic, Mik-Yong Sim, Mira Peter, Polemnia Amazeen, Marie-Vee Santana, D. Tiberio, Geraldine Pellecchia, J. Wagman.

Positions:

2008-present	Professor Emeritus, University of Connecticut
1974-2008	Professor, University of Connecticut
1970-present	Research Scientist, Haskins Laboratories
1970-1973	Associate Professor, University of Connecticut
1967-1969	Assistant Professor, University of Connecticut
1967	Lecturer, Ohio State University
1966	Assistant Instructor, Ohio State University
1963-1967	Teaching Assistant, Ohio State University

Publications

Books

Kugler, P. N., & Turvey, M. T. (1987). *Information, natural law and the self-assembly of rhythmic movement*. Hillsdale, NJ: Erlbaum. (Reprinted 2015 by Taylor & Francis)
Latash, M. & Turvey, M. T. (Eds.) (1996). *Dexterity and its development*. Mahwah, NJ: Erlbaum.
Turvey, M. T. (2019). *Lectures on perception: An ecological perspective*. Taylor & Francis.

Book Chapters

Lieberman, A. L., Mattingly, I. G., & Turvey, M. T. (1972). Language codes and memory codes. In A. W. Melton & E. Martin (Eds.), *Coding processes in human memory* (pp. 307-334). New York, NY: John Wiley.
Turvey, M. T. (1974). A note on the relation between action and perception. In M. G. Wade & R. Martens (Eds.), *Psychology of motor behavior and sports*. Urbana, IL: Human Kinetics.
Turvey, M. T. (1974). Constructive theory, perceptual systems and tacit knowledge. In W. Weimer & D. Palermo (Eds.), *Cognition and the symbolic processes*. Hillsdale, NJ: Erlbaum.
Turvey, M. T. (1975). Perspectives in vision: Conception or perception? In M. Rawson & D. D. Duane (Eds.), *Language, perception and reading*. Baltimore: York.
Turvey, M. T. (1977). Preliminaries to a theory of action with reference to vision. In R. Shaw & J. Bransford (Eds.), *Perceiving, acting and knowing: Toward an ecological psychology*. Hillsdale, NJ: Erlbaum.
Fitch, H., & Turvey, M. T. (1978). On the control of activity: Some remarks from an ecological point of view. In D. Landers & R. W. Christina (Eds.), *Psychology of motor behavior and sport* (pp. 3-35). Urbana, IL: Human Kinetics.
Fowler, C. A., & Turvey, M. T. (1978). Skill acquisition: An event approach with special reference to searching for the optimum of a function of several variables. In G. Stelmach (Ed.), *Information processing in motor learning and control* (pp 2-40) New York: Academic Press.

- Turvey, M. T. (1978). Visual processing and short-term memory. In W. K. Estes (Ed.), *Handbook of learning and cognitive processes, Volume 5*. Hillsdale, NJ: Erlbaum.
- Turvey, M. T., & Prindle, S. (1978). Modes of perceiving: Abstracts, comments and notes. In H. Pick & E. Saltzman (Eds.), *Modes of perceiving and processing information*. Hillsdale, NJ: Erlbaum.
- Turvey, M. T., Shaw, R. E., & Mace, W. (1978). Issues in the theory of action: Degrees of freedom, coordinative structures and coalitions. In J. Requin (Ed.), *Attention and performance VII* (pp. 557-595) Hillsdale, NJ: Erlbaum.
- Turvey, M. T., & Remez, R. (1979). Visual control of locomotion in animals: An overview. In L. Harmon (Ed.), *Interrelations of the communicative senses* (pp. 275-295). Washington, D. C.: National Science Foundation.
- Turvey, M. T., & Shaw, R. (1979). The primacy of perceiving: An ecological reformulation of perception for understanding memory. In L-G Nilssen (Ed.), *Perspectives on memory research: In honor of Uppsala University's 500th anniversary* (pp. 167-222, M. T.). Hillsdale, NJ: Erlbaum.
- Fowler, C. A., Rubin, P., Remez, R. E., & Turvey (1980). Implications for speech production of a general theory of action. In B. Butterworth (Ed.), *Language production* (pp. 373-420). New York: Academic Press.
- Johnston, T., & Turvey, M. T. (1980). A sketch of an ecological metatheory for theories of learning. In G. Bower (Ed.), *The psychology of learning and motivation Vol.14* (pp. 147- 205). New York: Academic Press.
- Kugler, P. N., Kelso, J. A. S., & Turvey, M. T. (1980). On the concept of coordinative structures as dissipative structures: I. Theoretical lines of convergence. In G. E. Stelmach & J. Requin (Eds.), *Tutorials in motor behavior* (pp. 1-47). Amsterdam: North Holland.
- Kelso, J. A. S., Holt, K., Kugler, P. N., & Turvey, M. T. (1980). On the concept of coordinative structures as dissipative structures. II. Empirical lines of convergence. In G. E. Stelmach & J. Requin (Eds.), *Tutorials in motor behavior*. Amsterdam: North Holland.
- Lukatela, G., & Turvey, M. T. (1980). Some experiments on the Roman and Cyrillic alphabets of Serbo-Croatian. In J. Kavanagh & R. L. Venezky (Eds.), *Cross-cultural comparisons of orthographies, reading and dyslexia*. Baltimore: University Park Press.
- Turvey, M. T. (1980). Biological constraints on linguistic form: Clues from the organization of motor systems. In U. Bellugi & M. Studdert-Kennedy (Eds.), *Biological constraints on linguistic form* (pp. 41-56). Berlin: Dahlem Konferenzen.
- Turvey, M. T. et al. (1980). The structuring of language by the requirements of motor control and perception. In U. Bellugi & M. Studdert-Kennedy (Eds.), *Signed and spoken language: Biological constraints on linguistic form*. Weinheim: Verlag Chemie.
- Shaw, R., & Turvey, M. T. (1981). Coalitions as models for ecosystems: A realist perspective on perceptual organization. In M. Kubovy & J. Pomerantz (Eds.), *Perceptual organization* (pp. 343-415). Hillsdale, NJ: Erlbaum.
- Fowler, C. A., & Turvey, M. T. (1982). Observational perspective and descriptive level in perceiving and acting. In W. Weimer & D. Palermo (Eds.), *Cognition and the symbolic processes II*. Hillsdale, NJ: Erlbaum.
- Kugler, P. N., Kelso, J. A. S., & Turvey, M. T. (1982). On the control and coordination of naturally developing systems. In J. A. S. Kelso & J. E. Clark (Eds.), *The development of movement control and coordination* (5-78). Chichester, England: John Wiley & Sons.
- Shaw, R., Turvey, M. T., & Mace, W. (1982). Ecological psychology: The consequence of a commitment to realism. In W. Weimer & D. Palermo (Eds.), *Cognition and the symbolic processes II* (pp. 159-226). Hillsdale, NJ: Erlbaum.

- Turvey, M. T., Fitch, H. L., & Tuller, B. (1982). The Bernstein perspective: I. The problems of degrees of freedom and context-conditioned variability. In J. A. S. Kelso (Ed.), *Understanding human motor control*. Champaign, IL: Human Kinetics.
- Tuller, B., Fitch, H. L., & Turvey, M. T. (1982). The Bernstein perspective: II. The concept of muscle linkage or coordinative structure. In J. A. S. Kelso (Ed.), *Understanding human motor control*. Champaign, IL: Human Kinetics.
- Fitch, H. L., Turvey, M. T., & Tuller, B. (1982). The Bernstein perspective: III. Timing of coordinative structures with special reference to perception. In J. A. S. Kelso (Ed.), *Understanding human motor control*. Champaign, IL: Human Kinetics.
- Carello, C., Turvey, M. T., Kugler, P. N., & Shaw, R. (1984). Inadequacies of the computer metaphor. In M. Gazzaniga (Ed.), *Handbook of cognitive neuroscience*. New York: Plenum.
- Kugler, P. N., Turvey, M. T., Carello, C., & Shaw, R. (1985). The physics of controlled collisions: A reverie about locomotion. In W. H. Warren, Jr. & R. Shaw (Eds.), *Persistence and change: Proceedings of the first international conference on event perception* (pp. 195-230) Hillsdale, NJ: Erlbaum.
- Solomon, J., Carello, C., & Turvey, M. T. (1984). Flow fields: The optical support for skilled activities. In W. F. Straub & J. M. Williams (Eds.), *Cognitive sport psychology*. Lansing, NY: Sport Science Associates.
- Turvey, M. T., Feldman, L. B., & Lukatela, G. (1984). The Serbo-Croatian orthography constrains the reader to a phonologically analytic strategy. In L. Henderson (Ed.), *Orthographies and reading*. London: Erlbaum.
- Turvey, M. T., & Kugler, P. N. (1984). An ecological approach to perception and action. In H. T. A. Whiting (Ed.), *Human motor actions: Bernstein reassessed*. Amsterdam: North Holland.
- Carello, C., & Turvey, M. T. (1986). Dependence of reading on orthography: Investigations in Serbo-Croatian. In H. S. R. Kao & R. Hoosain (Eds.), *Psychological studies in the Chinese language II*.
- Turvey, M. T., & Carello, C. (1988). Exploring a law-based, ecological approach to skilled action. In A. M. Colley & J. R. Beech (Eds.) *Cognition and action in skilled behaviour* (pp. 191-203). Amsterdam: North Holland Press
- Turvey, M. T. (1988). Simplicity from complexity: Archetypal action regimes and smart perceptual instruments as execution-driven phenomena. In J. A. S. Kelso, A. J. Mandel, M. F. Shlesinger (Eds.) *Dynamic patterns in complex systems*. Singapore: World Scientific.
- Schmidt, R. C. & Turvey, M. T. (1989). Absolute coordination: An ecological perspective. In S. Wallace (Ed.), *Perspectives on the coordination of movement* (pp. 123-156). Amsterdam: North Holland Press.
- Turvey, M. T. (1990). The challenge of a physical account of action: A personal view. In H.T.A. Whiting, O. Meijer, & P. van Wierengen (Eds.) *A natural-physical approach to movement control*. Amsterdam: Free University Press.
- Turvey, M. T., Carello, C., & Kim, N-G. (1990). Links between active perception and the control of action. In H. Haken & M. Stadler (Eds.), *Synergetics of cognition* (pp. 269-295). Berlin: Springer Verlag.
- Turvey, M. T., & Beek, P. J. (1990). Invariants of perception and action. *Proceedings of the sixth Yale workshop on adaptive and learning systems* (pp. 201-205). New Haven: Yale University.
- Turvey, M. T., Saltzman, E., & Schmidt, R. C. (1990). Dynamics and task-specific coordinations. In N. I. Badler, B. A. Barsky, & D. Zeltzer (Eds.) *Making them move: Mechanics, control, and animation of articulated figures* (pp. 157-170). San Mateo, CA: Morgan Kaufmann.
- Carello, C., & Turvey, M. T. (1991). Ecological units of analysis and baseball's illusions. In R. Hoffman & D. Palermo (Eds.), *Cognition and the symbolic processes, III*. Hillsdale, NJ: Erlbaum
- Turvey, M. T. (1991). Ecological perspective on action and perception. In R. Dauts & K. Blishke (Eds.) *Motorskills*. Saarbrücken: Saarbrücken University Press.

- Turvey, M. T. (1992). Ecological foundations of cognition: Invariants of perception and action. In H. Pick, P. Van den Broek, D. C. Knill (Eds.) *Cognitive psychology: Conceptual and methodological issues* (pp. 85-117). Washington: APA Books.
- Carello, C., Turvey, M. T., & Lukatela, G. (1992). Can theories of word recognition remain stubbornly nonphonological? In R. Frost & L. Katz (Eds.), *Orthography, phonology, morphology, and meaning*. Amsterdam: Elsevier.
- Turvey, M. T., Schmidt, R. C., & Beek, P. (1993). Fluctuations in interlimb rhythmic movement. In K. Newell (Ed.). *Variability in movement control*. Champaign, IL: Human Kinetics Publishers.
- Turvey, M. T. & Schmidt, R. C. (1993). A low-dimensional nonlinear dynamic governs interlimb rhythmic coordination. S. Swinnen et al. (Eds.), *Interlimb coordination: Neural, dynamical, and cognitive constraints*. New York: Academic Press.
- Turvey, M. T., & Shaw, R. E. (1995). Toward an ecological physics and a physical psychology. In R. Solso & D. Massaro (Eds.), *The science of the mind: 2001 and beyond* (pp. 144-169). Oxford: Oxford University Press.
- Lukatela, G., & Turvey, M. T. (1995). Phonological processes in Serbo-Croatian and English. In B. deGelder & J. Morais (Eds.) *Speech and reading: Comparative approaches*. Hove, England: Erlbaum (UK) Taylor & Francis.
- Turvey, M. T., & Carello, C. (1995). Some dynamical themes in perception and action. In R. Port & T. van Gelder (Eds.), *Mind as motion* (pp. 373-402). Cambridge, MA: MIT press.
- Turvey, M. T., & Carello, C. (1995). Dynamic touch. In W. Epstein & S. Rogers (Eds.), *Handbook of perception and cognition, Vol. V. Perception of space and motion* (pp. 401-490). San Diego: Academic Press.
- Turvey, M. T., & Carello, C. (1996). Dynamics of Bernstein's level of synergies. In M. Latash. & M. T. Turvey (Eds.). *Dexterity and its development* (pp. 339-376). Mahwah, NJ: Erlbaum.
- Kim, N-G., & Turvey, M. T. (1998). Optical flow fields and Bernstein's "modeling of the future" In M. Latash (Ed.), *Progress in motor control, Vol I: Bernstein's traditions in movement studies* (pp. 221-266). Champaign, IL: Human Kinetics.
- Amazeen, P., Amazeen, E. L., & Turvey, M. T. (1998). Dynamics of human intersegmental coordination: Theory and research. In C. Collyer & D. Rosenbaum (Eds.), *Timing of behavior: Neural, psychological and computational perspectives* (pp. 237-260). Cambridge, MA: MIT Press.
- Mitra, S., Riley, M., Schmidt, R. C., & Turvey, M. T., (1998). Vision and the level of synergies. In L. H. Harris & M. Jenkins (Eds.), *Vision and action* (pp. 314-331). Cambridge: Cambridge University Press.
- Collins, D., & Turvey, M. T. (1999). Dynamical stability analyses of coordination patterns. In U. Windhorst & W. Johansson, H. (Eds.), *Modern techniques in neuroscience research* (pp. 641-668). Berlin: Springer Verlag.
- Carello, C., & Turvey, M. T. (2000). Rotational dynamics and dynamic touch. In M. Heller (Ed.), *Touch, representation and blindness* (pp. 27-66). Oxford: Oxford University Press.
- Turvey, M. T. (2001). Encoding, retrieving and aging. In Naveh-Benjamin, M., Moscovitch, M., & Roediger III, H. L. (Eds.), *Perspectives on human memory and cognitive aging: Essays in honor of Fergus Craik* (pp. 105-110) East Sussex, UK: Psychology Press.
- Carello, C., & Turvey, M. T. (2003). The ecological approach to perception. *Encyclopedia of cognitive science*. London: Nature Publishing Group.
- Turvey, M. T. (2003). *Preface to N. Bernstein's "On dexterity and its development"(i-vi)*. (Japanese translation). Tokyo; Kaneko Shobo.
- Turvey, M. T. (2004). Impredicativity, dynamics, and the perception-action divide. In V. K. Jirsa & J. A. S. Kelso (Eds.), *Coordination Dynamics: Issues and Trends. Vol.1 Applied Complex Systems* (pp. 1-20). New York: Springer Verlag.

- Carello, C., Wagman, J. B., & Turvey, M. T. (2005). Acoustic specification of object properties. In J. Anderson and B. Anderson (Eds.), *Moving image theory: Ecological considerations* (pp. 79-104). Carbondale, IL: Southern Illinois University Press.
- Balasubramaniam, R., & Turvey, M. T. (2005). Section IV: 1990-1999. In M. F. Feldman (Ed.), *A. G. Feldman 1965-2005 Forty years of the equilibrium-point hypothesis* (pp. 375-378). Montreal: Tristar Printing.
- Chemero, A., & Turvey, M. T. (2006). Complexity and “closure to efficient cause” (pp. 13-18). In *ALIFE X: workshop on artificial autonomy*. Cambridge, MA: MIT Press,
- Park, H., & Turvey, M. T. (2008). Imperfect symmetry and the elementary coordination law. In A. Fuchs, V.K. Jirsa (Eds.), *Coordination: Neural, Behavioral and Social Dynamics* (pp. 3-25). Berlin: Springer.
- Richardson, M. J., Shockley, K., Riley, M. R., Fajen, B. R., & Turvey, M. T. (2008). Ecological psychology: Six principles for an embodied-embedded approach to behavior. In P. Calvo & A. Gomila (Eds.), *Handbook of cognitive science: An embodied approach*. (pp. 161-190). San Diego CA: Elsevier.
- Turvey, M. T., & Fonseca, S. (2009). Nature of motor control: Perspectives and issues. In D. Sternad (Ed.) *Progress in motor control: A multidisciplinary perspective* (pp. 93-123). New York: Springer Verlag.
- Turvey, M. T. (2009). Nature of motor control: Not strictly “motor”, not quite “control”. In D. Sternad (Ed.) *Progress in motor control: A multidisciplinary perspective* (pp. 3-6). New York: Springer Verlag.
- Moreno, M., & Turvey, M. T. (2010). Self-organizing systems. In P. Hogan (Ed.), *The Cambridge Encyclopedia of the Language Sciences*. Cambridge: Cambridge University Press
- Chemero, A. & Turvey, M. T. (2010). Is life computable? In J. Queiroz, J. & A. Loula (Eds.), *Advances in modeling adaptive and cognitive systems* (pp. 29-37). Feira de Santana, Brazil: Editora UEFS Springer
- Frank, T., Dotov, D., & Turvey, M. T. (2010). A canonical-dissipative approach to control and coordination in the complex system Agent-Task-Environment. In F. Danion & M. Latash (Eds.) *Motor Control: Theories, Experiments, and Applications* (pp. 50-71). Oxford University Press: Oxford
- Rhodes, T., & Turvey, M. T. (2011). Self-organization of movements. In W. Jantzen (Ed.), *Behinderung, Bildung, Partizipation (Disability, education and participation)*, Volume 9 (pp. 209-210): *Sinne, Körper und Bewegung (Senses, body and movement)*. Stuttgart, Germany: Kohlhammer-Verlag.
- Turvey, M. T. (2013). Ecological perspective on perception-action: What kind of science does it entail? In W. Prinz, M. Bessard, & A. Herwig (Eds.), *Action science: Foundations of an emerging discipline* (pp. 139-170). Cambridge MA: MIT Press.
- Carello, C. & Turvey, M. T. (2015). Dynamic (effortful) touch. Prescott, A., Ahisser, E., & Izhikevich, E. (Eds.) *Scholarpedia of Touch* (pp. 227-240). Atlantis Press.

Journal Articles

- Turvey, M. T. (1966). The effects of rehearsing analyzed information upon the retrieval of unanalyzed information. *Psychonomic Science*, **6**, 365-66.
- Turvey, M. T. (1967). Repetition and the preperceptual information store. *Journal of Experimental Psychology*, **74**, 289-93.
- Turvey, M. T. (1967). Evidence of a connotative dimension in short-term memory as a function of retention interval. *Psychonomic Science*, **9**, 547-48.
- Turvey, M. T. (1967). The structure of order error in the build-up of proactive interference in short-term memory. *Psychonomic Science*, **11**, 213-14.
- Turvey, M. T. (1968). Analysis of augmented recall in short-term memory following a shift in connotation. *British Journal of Psychology*, **59**, 131-37.

- Sherman, M. F., & Turvey, M. T. (1969). Modality differences in short-term serial memory as a function of presentation rate. *Journal of Experimental Psychology*, **80**, 335-38.
- Turvey, M. T., Cremins, J. J., & Lombardo, T. (1969). Taxonomic categories and proactive interference in short-term memory. *Psychonomic Science*, **15**, 307-08.
- Turvey, M. T., & Egan, J. F. (1969). Contextual change and release from proactive interference in short-term memory. *Journal of Experimental Psychology*, **81**, 396-97.
- Turvey, M. T., Fertig, J., & Kravetz, S. (1969). Connotative classification and proactive interference in short-term memory. *Psychonomic Science*, **16**, 223-24.
- Turvey, M. T., & Wittlinger, R. P. (1969). Attenuation of proactive interference in short-term memory as a function of cueing to forget. *Journal of Experimental Psychology*, **80**, 295-98.
- Laverty, J. J., & Turvey, M. T. (1970). Absence of specific retroactive interference effects of acoustic similarity in short-term memory. *Psychonomic Science*, **20**, 123-24.
- Turvey, M. T., Brick, P., & Osborn, J. (1970). Proactive interference in short-term memory as a function of prior-item retention interval. *Quarterly Journal of Experimental Psychology*, **22**, 142-47.
- Turvey, M. T., Brick, P., & Osborn, J. (1970). Temporal course of proactive interference in short-term memory. *British Journal of Psychology*, **61**, 467-72.
- Turvey, M. T., & Egan, J. F. (1970). Release from proactive interference in short-term memory as a function of change in visual and phonemic structure and retention interval. *Perception & Psychophysics*, **7**, 169-72.
- Turvey, M. T., & Fertig, J. (1970). Polarity on the semantic differential and release from proactive interference in short-term memory. *Journal of Verbal Learning and Verbal Behavior*, **9**, 439-43.
- Turvey, M. T., & Kravetz, S. (1970). Retrieval from iconic memory with shape as the selection criterion. *Perception & Psychophysics*, **8**, 171-72.
- Doost, R., & Turvey, M. T. (1971). Iconic memory and central processing capacity. *Perception & Psychophysics*, **9**, 269-74.
- Turvey, M. T., Mosher, D. L., & Katz, L. (1971). Subsequent recognition of items subjected to proactive interference in short-term memory. *Psychonomic Science*, **25**, 365-67.
- Darwin, C. J., Turvey, M. T., & Crowder, R. G. (1972). An auditory analogue of the Sperling partial report procedure: Evidence for brief auditory storage. *Cognitive Psychology*, **3**, 255-67.
- Sullivan, E. V., & Turvey, M. T. (1972). Short-term retention of tactile stimulation. *Quarterly Journal of Experimental Psychology*, **24**, 253-61.
- Turvey, M. T. (1972). Some aspects of selection from iconic memory. *Haskins Laboratories Status Report on Speech Research*, **30**, 1-14.
- Turvey, M. T., Pisoni, D., & Fertig, J. (1972). A right-ear advantage in the retention of words presented monaurally. *Haskins Laboratories Status Report on Speech Research*, **32**, 67-74.
- Michaels, C. F., & Turvey, M. T. (1973). Hemiretinae and non-monotonic masking functions with overlapping stimuli. *Bulletin of the Psychonomic Society*, **2**, 163-64.
- Turvey, M. T. (1973). On peripheral and central processes in vision: Inferences from an information processing analysis of masking with patterned stimuli. *Psychological Review*, **80**, 1-52.
- Dorman, M., Kewly-Port, D., Brady-Wood, S., & Turvey, M. T. (1973) Forward and backward masking of brief vowels. *Haskins Laboratories Status Report on Speech Research*, **33**, 93-100.
- Sullivan, E. V., & Turvey, M. T. (1974). On the short-term retention of serial tactile stimuli. *Memory & Cognition*, **2**, 601-06.
- Turvey, M. T., Michaels, C. F., & Port, D. K. (1974). Visual storage or visual masking? An analysis of the 'Retroactive contour enhancement' effect. *Quarterly Journal of Experimental Psychology*, **26**, 72-81.

- Turvey, M. T., & Weeks, R. (1975). Effects of proactive interference and rehearsal on the primary and secondary components of short-term retention. *Quarterly Journal of Experimental Psychology*, **27**, 47-62.
- Rubin, P. E., Turvey, M. T., & Van Gelder, P. (1976). Initial phonemes are detected faster in spoken words than spoken nonwords. *Perception & Psychophysics*, **19**, 394-98.
- Turvey, M. T. (1976). Sensory memory, schematic memory and information processing. *Proceedings of the 21st International Congress of Psychology, Paris*. Paris: Imprimerie Luis-Jean.
- Dorman, M. F., Port, D. K., Brady, S., & Turvey, M. T. (1977). Processes in vowel recognition: Inferences from studies of forward and backward masking. *Quarterly Journal of Experimental Psychology*, **29**, 483-497.
- Erickson, D., Mattingly, I. G., & Turvey, M. T. (1977). Phonetic activity in reading: An experiment with Kanji. *Language and Speech*, **20**, 384-403.
- Turvey, M. T. (1977). Contrasting orientations to the theory of visual-information processing. *Psychological Review*, **84**, 67-88.
- Cremins, J., & Turvey, M. T. (1978). Release from short-term proactive interference with change in item duration. *Bulletin of the Psychonomic Society*, **12**, 25-28.
- Fowler, C. A., & Turvey, M. T. (1978). On the concept of 'command neuron' in explanations of behavior. *The Behavioral and Brain Sciences*, **1**, 20-22.
- Lukatela, G., Mandic, Z., Gligorijevic, B., Kostic, A., Savic, M., & Turvey, M. T. (1978). Lexical decision for inflected nouns. *Language and Speech*, **21**, 166-173.
- Lukatela, G., Savic, M. D., Gligorijevic, B., Ognjenovic, P., & Turvey, M. T. (1978). Bi-alphabetical lexical decision. *Language and Speech*, **21**, 142-165.
- Lukatela, G., Savic, M. D., Ognjenovic, P., & Turvey, M. T. (1978). On the relation between processing the Roman and the Cyrillic alphabets: A preliminary analysis with bi-alphabetical readers. *Language and Speech*, **21**, 113-141.
- Gay, T., & Turvey, M. T. (1979). Effects of efferent and afferent interference on speech production: Implications for a generative theory of speech motor control. *Proceedings of the 9th International Congress of Phonetic Sciences, Copenhagen* (pp. 344-350). Copenhagen: University of Copenhagen Press.
- Kugler, P., & Turvey, M. T. (1979). Two metaphors for neural afference and efference. *The Behavioral and Brain Sciences*, **2**, 305-307.
- Michaels, C. F., & Turvey, M. T. (1979). Central sources of visual masking: Indexing structures supporting seeing at a single brief glance. *Psychological Research (Psychologische Forschung)*, **4**, 1-61.
- Turvey, M. T. (1979). The thesis of the efference-mediation of vision cannot be rationalized. *The Behavioral and Brain Sciences*, **2**, 81-83.
- Feldman, L., & Turvey, M. T. (1980). The same words are read faster in Kana than in Kanji. *Language and Speech*, **23**, 141-147.
- Fowler, C. A., & Turvey, M. T. (1980). Immediate compensation for bite-block vowels. *Phonetica*, **37**, 306-326.
- Lukatela, G., Gligorijevic, B., Kostic, A., & Turvey, M. T. (1980). Representation of inflected nouns in the internal lexicon. *Memory & Cognition*, **8**, 415-423.
- Lukatela, G., Popadic, D., Ognjenovic, P., & Turvey, M. T. (1980). Lexical decision in a phonologically shallow orthography. *Memory & Cognition*, **8**, 124-132.
- Prindle, S., Carello, C., & Turvey, M. T. (1980). Animal-environment mutuality and direct perception. *The Behavioral and Brain Sciences*, **3**, 395-397.
- Shaw, R., & Turvey, M. T. (1980). Methodological realism. *The Behavioral and Brain Sciences*, **3**, 94-96.

- Lukatela, G., Lorenc, B., Ognjenovic, P., & Turvey, M. T. (1981). A word superiority effect in a phonetically precise orthography. *Language and Speech*, **24**, 173-183.
- Turvey, M. T., & Carello, C. (1981). Cognition: The view from ecological realism. *Cognition*, **10**, 313-321.
- Turvey, M. T., Shaw, R. E., Reed, E. S., & Mace, W. M. (1981). Ecological laws of perceiving and acting: In reply to Fodor and Pylyshyn (1981). *Cognition*, **9**, 237-304.
- Kugler, P. N., Turvey, M. T., & Shaw, R. (1982). Is the "cognitive penetrability" criterion invalidated by contemporary physics? *The Behavioral and Brain Sciences*, **2**, 303-306.
- Lukatela, G., Moraca, J., Stojnov, D., Savic, M., & Turvey, M. T. (1982). Grammatical priming effects between pronouns and inflected verb forms. *Psychological Research (Psychologische Forschung)*, **44**, 297-311.
- Feldman, L. B., Kostic, A., Lukatela, G., & Turvey, M. T. (1983). An examination of the "Basic Orthography Syllable Structure" in a phonologically shallow orthography. *Psychological Research (Psychologische Forschung)*, **45**, 55-72.
- Feldman, L. B., & Turvey, M. T. (1983). Word recognition in Serbo-Croatian is phonologically analytic. *Journal of Experimental Psychology: Human Perception and Performance*, **9**, 288-98.
- Lukatela, G., Kostic, A., Feldman, L. B., & Turvey, M. T. (1983). Grammatical priming of inflected nouns. *Memory & Cognition*, **11**, 59-63.
- Mace, W. M., & Turvey, M. T. (1983). The implications of occlusion for perceiving persistence. *The Behavioral and Brain Sciences*, **6**, 29-31.
- Michaels, C. F., & Turvey, M. T. (1983). From observation to principles of learning: A long and problematic route. *The Behavioral and Brain Sciences*, **6**, 181-82.
- Ognjenovic, V., Lukatela, G., Feldman, L. B., & Turvey, M. T. (1983). Misreadings by beginning readers of Serbo-Croatian. *Quarterly Journal of Experimental Psychology*, **35A**, 97-109.
- Turvey, M. T., & Kugler, P. N. (1984). A comment on equating information with symbol strings. *American Journal of Physiology*, **246**, 925-27.
- Turvey, M. T., & Solomon, J. (1984). Visually perceiving distance: A comment on Shebilske, Karmiohl and Proffitt (1983). *Journal of Experimental Psychology: Human Perception and Performance*, **10**, 449-54.
- Carello, C., & Turvey, M. T. (1984). On vagueness and fictions as cornerstones of a theory of perceiving and acting: A comment on Walter (1983). *Cognition and Brain Theory*, **7**, 247-61.
- Gurjanov, M., Lukatela, G., Moskovljevic, J., Savic, M., & Turvey, M. T. (1985). Grammatical priming of inflected nouns by inflected adjectives. *Cognition*, 55-71.
- Carello, C., Turvey, M. T., & Kugler, P. N. (1985). The informational support for upright stance. *The Behavioral and Brain Sciences*, **8**, 151-52.
- Feldman, L. B., Lukatela, G., & Turvey, M. T. (1985). Effects of phonological ambiguity on beginning readers of Serbo-Croatian. *Journal of Experimental Child Psychology*, **39**, 492-10.
- Turvey, M. T., & Kay, B. (1985). Control of complex systems: An intrinsically derived or imposed process? *Contemporary Psychology*, **30**, 687-88.
- Scholz, J., Turvey, M. T., & Kelso, J. A. S. (1985). Naturalizing the context for interpreting SMA (secondary motor area). *The Behavioral and Brain Sciences*, **8**, 598.
- Michaels, C., Prindle, S., & Turvey, M. T. (1985). A note on the natural basis of action categories: The catching distance of mantids. *Journal of Motor Behavior*, **17**, 255-264.
- Turvey, M. T., & Carello, C. (1985). The equation of information and meaning from the perspectives of situation semantics and Gibson's ecological realism. *Linguistics and Philosophy*, **8**, 81-90.
- Gurjanov, M., Lukatela, G., Lukatela, K., Savic, M., & Turvey, M. T. (1986). Grammatical priming of inflected nouns by the gender of possessive adjectives. *Journal of Experimental Psychology: Learning, Memory and Cognition*, **11**, 692-701.

- Turvey, M. T. (1986). Intentionality: A problem of multiple reference frames, specificational information and extraordinary boundary conditions on natural law. *The Behavioral and Brain Sciences*, **9**, 153-55.
- Lukatela, G., Carello, C., Savic, M., & Turvey, M. T. (1986). Hemispheric asymmetries in phonological processing. *Neuropsychologia*, **24**, 341-350.
- Turvey, M. T., Rosenblum, L. D., Schmidt, R. C., & Kugler, P. N. (1986). Fluctuations and phase symmetry in coordinated rhythmic movements. *Journal of Experimental Psychology: Human Perception and Performance*, **12**, 564-83.
- Turvey, M. T., & Carello, C. (1986). The ecological approach to perceiving-acting: A pictorial essay. *Acta Psychologica*, **63**, 133-155.
- Turvey, M. T. (1986). Beyond anatomical specificity. *The Behavioral and Brain Sciences*, **9** (4), 624-25.
- Urosevic, Z., Carello, C., Savic, M., Lukatela, G., & Turvey, M. T. (1987). Some word order effects in Serbo-Croatian. *Language and Speech*, **29**, 177-95.
- Lukatela, G., Kostic, A., Todorovic, D., Carello, C., & Turvey, M. T. (1987). Type and number of violations and the grammatical congruency effect in lexical decision. *Psychological Research (Psychologische Forschung)*, **49**, 37-43.
- Lukatela, G., Carello, C., & Turvey, M. T. (1987). Lexical representation of regular and irregular inflected nouns. *Language and Cognitive Processes*, **2**, 1-17.
- Lukatela, G., & Turvey, M. T. (1987). Loci of phonological effects in the lexical access of words written in a shallow orthography. *Psychological Research (Psychologische Forschung)*, **49**, 139-46.
- Lukatela, G., Carello, C., Kostic, A., & Turvey, M. T. (1988). Low constraint facilitation in lexical decision with single word contexts. *American Journal of Psychology*, **101**, 15-29.
- Turvey, M. T., Schmidt, R. C., Rosenblum, L. D., & Kugler, P. N. (1988) On the time allometry of coordinated rhythmic movements. *Journal of Theoretical Biology*, **130**, 285-325.
- Carello, C., Lukatela, G., & Turvey, M. T. (1988). Rapid naming is affected by association but not by syntax. *Memory & Cognition*, **16**, 187-195.
- Rosenblum, L. D., & Turvey, M. T. (1988). Maintenance tendency in coordinated rhythmic movements: Relative fluctuations and phase. *Neuroscience*, **27**, 289-300.
- Solomon, H. Y., & Turvey, M. T. (1988). Haptically perceiving the distances reachable with hand-held objects. *Journal of Experimental Psychology: Human Perception and Performance*, **14**, 404-427.
- Urosevic, Z., Carello, C., Savic, M., Lukatela, G., & Turvey, M. T. (1988). Word order and inflectional strategies in syntactic processing. *Language and Cognitive Processes*, **3**, 49-71.
- Kugler, P. N., & Turvey, M. T. (1988). Self-organization, flow fields, and information. *Human Movement Science*, **7**, 97-129.
- Solomon, H. Y., Turvey, M. T., & Burton, G. (1989). Perceiving rod extents by wielding: Haptic diagonalization and decomposition of the inertia tensor. *Journal of Experimental Psychology: Human Perception and Performance*, **15**, 58-68.
- Solomon, H. Y., Turvey, M. T., & Burton, G. (1989). Gravitational and muscular contributions to perceiving extent by wielding. *Ecological Psychology*, **1**, 265-300.
- Carello, C., Groszofsky, A., Reichel, F. D., Solomon, H. Y., & Turvey, M. T. (1989). Visually perceiving what is reachable. *Ecological Psychology*, **1**, 27-54.
- Lukatela, G., Feldman, L. B., Turvey, M. T., Carello, C., & Katz, L. (1989). Context effects in bi-alphabetic word perception. *Journal of Memory and Language*, **28**, 214-236.
- Lukatela, G., Turvey, M. T., Feldman, L. B., Carello, C., & Katz, L. (1989). Alphabet priming in bi-alphabetical word perception. *Journal of Memory and Language*, **28**, 237-254.
- Turvey, M. T., Solomon, H. Y., & Burton, G. (1989). An ecological analysis of knowing by wielding. *Journal of the Experimental Analysis of Behavior (Special Issue on Cognition)*, **52**, 387-407.

- Turvey, M. T., Rosenblum, L. D., & Schmidt, R. C. (1989). "Clock" and "motor" aspects in absolute coordination of rhythmic movements. *Neuroscience*, **33**, 1-10.
- Chan, T-C., Carello, C., & Turvey, M. T. (1990). Perceiving object width by grasping. *Ecological Psychology*, **2**, 1-35.
- Carello, C., & Turvey, M. T. (1990). Review of "Gibson's ecological psychology" by Reed. *Quarterly Review of Biology*, **65**, 343-344.
- Schmidt, R. C., Carello, C., & Turvey, M. T. (1990). Phase transitions and critical fluctuations in the visual coordination of rhythmic movements between people. *Journal of Experimental Psychology: Human Perception and Performance*, **16**, 227-247.
- Lukatela, G., & Turvey, M. T. (1990). Phonological similarity effects and prelexical phonology. *Memory and Cognition*, **18**, 128-152.
- Kugler, P. N., Turvey, M. T., Schmidt, R. C., & Rosenblum, L. D. (1990). Investigating a nonconservative invariant of motion in coordinated rhythmic movements. *Ecological Psychology*, **2**, 151-189.
- Lukatela, G., & Turvey, M. T. (1990). Automatic activation of prelexical phonology in visual word identification. *European Journal of Cognitive Psychology*, **2**, 325-344.
- Turvey, M. T. (1990). Coordination. *American Psychologist*, **45**, 938-953.
- Lukatela, G., Carello, C., & Turvey, M. T. (1990). Phonemic priming of words and pseudowords. *European Journal of Cognitive Psychology*, **2**, 375-394.
- Lukatela, G., Carello, C., & Turvey, M. T. (1990). Phonemic, associative, and grammatical context effects with identified and unidentified primes. *Language and Speech*, **33**, 1-18.
- Burton, G., & Turvey, M. T. (1990). Perceiving the lengths of rods that are held but not wielded. *Ecological Psychology*, **2**, 295-324.
- Burton, G., Turvey, M. T., & Solomon, H. Y. (1990). Can shape be perceived by dynamic touch? *Perception & Psychophysics*, **48**, 477-487.
- Schmidt, R. C., Treffner, P. J., & Turvey, M. T. (1991). Neural networks and the first and second rounds of theorizing on Bernstein's problem. *Human Movement Science*, **10**, 117-131.
- Bingham, G., Schmidt, R. C., Turvey, M. T., & Rosenblum, L. (1991). Task dynamics and resource dynamics in a coordinated rhythmic activity. *Journal of Experimental Psychology: Human Perception and Performance*, **17**, 359-381.
- Chan, T-C., & Turvey, M. T. (1991). Perceiving the vertical distances of surfaces by means of a hand-held probe. *Journal of Experimental Psychology: Human Perception and Performance*, **17**, 347-358.
- Barac-Cikoja, D., & Turvey, M. T. (1991). Perceiving aperture size by striking. *Journal of Experimental Psychology: Human Perception and Performance*, **17**, 330-346.
- Schmidt, R. C., Beek, P. J., Treffner, P. J., & Turvey, M. T. (1991). Dynamical substructure of coordinated rhythmic movements. *Journal of Experimental Psychology: Human Perception and Performance*, **17**, 635-651.
- Burton, G., & Turvey, M. T. (1991). Attentionally splitting the mass distribution of a hand-held rod. *Perception & Psychophysics*, **50**, 129-140.
- Shaw, B. K., McGowen, R., & Turvey, M. T. (1991). An acoustic variable specifying time to contact. *Ecological Psychology*, **3**, 253-261.
- Lukatela, G., Turvey, M. T., & Todorovic', D. (1991). Is alphabet biasing in bi-alphabetical word perception automatic and prelexical? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, **17**, 653-663.
- Lukatela, G., & Turvey, M. T. (1991). Phonological access of the lexicon: Evidence from associative priming with pseudohomophones. *Journal of Experimental Psychology: Human Perception and Performance*, **17**, 951-967.
- Swenson, R., & Turvey, M. T. (1991). Thermodynamic reasons for perception-action cycles. *Ecological Psychology*, **3**, 317-348.

- Carello, C., Fitzpatrick, P., Domaniewicz, I., Chan, T.-C., & Turvey, M. T. (1992). Effortful touch with minimal movement. *Journal of Experimental Psychology: Human Perception and Performance*, **18**, 290-302.
- Schmidt, R. C., Treffner, P. J., Shaw, B. K., & Turvey, M. T. (1992). Dynamical aspects of learning an interlimb rhythmic movement pattern. *Journal of Motor Behavior*, **24**, 67-84.
- Carello, C., Fitzpatrick, P., & Turvey, M. T. (1992). Haptic probing: Perceiving the length of a probe and the distance of a surface probed. *Perception & Psychophysics*, **51**, 580-598.
- Turvey, M. T., Burton, G., Pagano, C., Solomon, H. Y., & Runeson, S. (1992). Role of the inertia tensor in perceiving object orientation by dynamic touch. *Journal of Experimental Psychology: Human Perception and Performance*, **3**, 714-727.
- Schmidt, R. C., & Turvey, M. T. (1992). Long term consistencies in coordinated rhythmic movements. *Human Movement Science*, **11**, 349-376.
- Sternad, D., Turvey, M. T., & Schmidt, R. C. (1992). Average phase difference theory and 1:1 phase entrainment in interlimb coordination. *Biological Cybernetics*, **67**, 223-231.
- Beek, P., Turvey, M. T., & Schmidt, R. C. (1992). Autonomous and nonautonomous dynamics of coordinated rhythmic movements. *Ecological Psychology*, **4**, 65-96.
- Beek, P., & Turvey, M. T. (1992). Temporal patterning in cascade juggling. *Journal of Experimental Psychology: Human Perception and Performance*, **18**, 934-947.
- Turvey, M. T. (1992). Affordances and prospective control: An outline of the ontology. *Ecological Psychology*, **4**, 173-187
- Kinsella-Shaw, J., & Turvey, M. T. (1992). Haptic perception of object distance on a single-strand vibratory web. *Perception & Psychophysics*, **52**, 625-638.
- Kinsella-Shaw, J., Shaw, B., & Turvey, M. T. (1992). Perceiving walk-on-able slopes. *Ecological Psychology*, **4**, 65-95.
- Pagano, C., & Turvey, M. T. (1992). Eigenvectors of the inertia tensor and perceiving the orientation of a hand-held object by dynamic touch. *Perception & Psychophysics*, **52**, 617-624.
- Lukatela, G., & Turvey, M. T. (1993). Similar attentional, frequency, and associative effects in naming words and pseudohomophones. *Journal of Experimental Psychology: Human Perception and Performance*, **19**, 166-178.
- Kim, N.-G., Turvey, M. T., & Carello, C. (1993). Optical information about the severity of upcoming contacts. *Journal of Experimental Psychology: Human Perception and Performance*, **19**, 179-193.
- Schmidt, R. C., Shaw, B. & Turvey, M. T. (1993). Coupling dynamics in interlimb rhythmic coordinations. *Journal of Experimental Psychology: Human Perception and Performance*, **19**, 397-410.
- Pagano, C., Fitzpatrick, P., & Turvey, M. T. (1993). Tensorial basis to the constancy of perceived object extent over variations of dynamic touch. *Perception & Psychophysics*, **54**, 43-45.
- Pagano, C., & Turvey, M. T. (1993). Perceiving by dynamic touch the distances reachable with irregular objects. *Ecological Psychology*, **5**, 125-151.
- Kadar, E., Schmidt, R. C., & Turvey, M. T. (1993). Constants underlying changes in biological rhythmic movements. *Biological Cybernetics*, **68**, 421-430.
- Lukatela, G., Lukatela, K., & Turvey, M. T. (1993). Further evidence for phonological codes in visual lexical access: TOWED primes FROG. *Perception & Psychophysics*, **53**, 461-466.
- Lukatela, G., Lukatela, K., Carello, C. & Turvey, M. T. (1993). Reduction of alphabet priming with delay and degradation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, **19**, 1094-1100
- Turvey, M. T., & Fitzpatrick, P. (1993). Commentary: Development of perception-action systems and general principles of pattern formation. *Child Development*, **64**, 1175-1190
- Barac-Cikoja, D., & Turvey, M. T. (1993). Haptically perceiving size-at-a-distance. *Journal of Experimental Psychology: General*, **122**, 347-370

- Treffner, P. J., & Turvey, M. T. (1993). Resonance constraints on rhythmic movement. *Journal of Experimental Psychology: Human Perception and Performance*, **19**, 1221-1237
- Carello, C., Lukatela, G., & Turvey, M. T. (1994). Lexical involvement in naming does not contravene prelexical phonology: A comment on Sebastian-Galles. *Journal of Experimental Psychology: Human Perception and Performance*, **20**, 192-198
- Schmidt, R. C., & Turvey, M. T. (1994). Phase entrainment in visually coupled rhythmic movements. *Biological Cybernetics*, **70**, 369-376
- Pagano, C., Kinsella-Shaw, J., Cassidy, P., & Turvey, M. T. (1994). Role of the inertia tensor in perceiving where an object is grasped. *Journal of Experimental Psychology: Human Perception and Performance*, **20**, 276-285.
- Peter, M. & Turvey, M. T. (1994). Phonological codes are early sources of constraint on visual semantic categorization. *Perception & Psychophysics*, **55**, 497-504.
- Lukatela, G. & Turvey, M. T. (1994). Visual lexical access is initially phonological: 1. Evidence from associative priming by words, homophones, and pseudohomophones. *Journal of Experimental Psychology: General*, **123**, 107-128.
- Kim, N-G., & Turvey, M. T. (1994). Optical foundations for perceiving egomotion. *The Behavioral and Brain Sciences*, **17**, 322-323.
- Fitzpatrick, P., Carello, C., & Turvey, M. T. (1994). Eigenvalues of the inertia tensor and exteroception by the "muscle sense." *Neuroscience*, **60**, 551-568.
- Turvey, M. T. (1994). From Borelli (1680) and Bell (1824) to the dynamics of action and perception. *Journal of Exercise and Sport Psychology*, **16**, S128-S157.
- Lukatela, G. & Turvey, M. T. (1994). Visual lexical access is initially phonological: 2. Evidence from phonological priming by homophones and pseudohomophones. *Journal of Experimental Psychology: General*, **123**, 331-353.
- Barac-Cikoja, D., & Turvey, M. T. (1995). Does perceived size depend on perceived distance? An argument from extended haptic perception. *Perception and Psychophysics*, **57**, 216-224.
- Treffner, P. J., & Turvey, M. T. (1995). Handedness and the asymmetric dynamics of bimanual coordination. *Journal of Experimental Psychology: Human Perception and Performance*, **21**, 318-333.
- Carello, C., Lukatela, G., Peter, M., & Turvey, M. T. (1995). Effects of association, frequency, and stimulus quality on naming words in the presence or absence of pseudowords. *Memory and Cognition*, **23**, 289-300.
- Schmidt, R. C. & Turvey, M. T. (1995). Models of interlimb coordination: Equilibria, local analyses, and spectral patterning. *Journal of Experimental Psychology: Human Perception and Performance*, **21**, 432-443.
- Pagano, C., & Turvey, M. T. (1995). The inertia tensor as a basis for the perception of limb orientation. *Journal of Experimental Psychology: Human Perception and Performance*, **21**, 1070-1087.
- Amazeen, P. G., Schmidt, R. C., & Turvey, M. T. (1995). Frequency detuning of the phase entrainment dynamics of visually coupled rhythmic movements. *Biological Cybernetic*, **72**, 511-518.
- Sternad, D., Collins, D., & Turvey, M. T. (1995). The detuning term in interlimb coordination dynamics. *Biological Cybernetics*, **73**, 27-35.
- Schwartz, M., Amazeen, E., & Turvey, M. T. (1995). Superimposition in interlimb rhythmic coordination. *Human Movement Science*, **14**, 681-694.
- Beek, P., Schmidt, R., Morris, A., Sim, M., & Turvey, M. T. (1996). Linear and nonlinear stiffness and friction functions in biological rhythmic movement. *Biological Cybernetics*, **73**, 499-507.
- Garrett, S., Barac-Cikoja, D., Carello, C., & Turvey, M. T. (1996). A parallel between visual and haptic perception of size at a distance. *Ecological Psychology*, **8**, 25-42.

- Amazeen, E., & Turvey, M. T. (1996). Weight perception and the haptic size-weight illusion are functions of the inertia tensor. *Journal of Experimental Psychology: Human Perception and Performance*, **22**, 213-232.
- Sternad, D., & Turvey, M. T. (1996). Control parameters, equilibria, and coordination dynamics. *The Behavioral and Brain Sciences*, **18**, 780-783.
- Sternad, D., Amazeen, E., & Turvey, M. T. (1996). Diffusive, synaptic, and synergetic coupling: An evaluation through inphase and antiphase rhythmic movement. *Journal of Motor Behavior*, **28**, 255-269.
- Treffner, P. J., & Turvey, M. T. (1996). Symmetry, broken symmetry, and handedness in bimanual coordination dynamics. *Experimental Brain Research*, **107**, 463-478.
- Turvey, M. T., Carello, C., Fitzpatrick, P., Pagano, C., & Kadar, E. (1996). Spinors and selective dynamic touch. *Journal of Experimental Psychology: Human Perception and Performance*, **22**, 1113-1126.
- Kim, N-G., Growney, R., & Turvey, M. T. (1996). Optical flow not retinal flow is the basis of wayfinding by foot. *Journal of Experimental Psychology: Human Perception and Performance*, **22**, 1279-1288.
- Kim, N-G., Turvey, M. T., & Growney, R. (1996). Wayfinding and the sampling of optic flow by eye movements. *Journal of Experimental Psychology: Human Perception and Performance*, **22**, 1314-1319.
- Collins, D., Sternad, D., & Turvey, M. T. (1996). An experimental note on defining frequency competition in intersegmental coordination dynamics. *Journal of Motor Behavior*, **28**, 299-303.
- Turvey, M. T. (1996). Dynamic touch. *American Psychologist*, **51**, 1134-1152.
- Turvey, M. T., Holt, K. G., Obusek, J., Salo, A., & Kugler, P. N. (1996). Adiabatic transformability hypothesis of human locomotion. *Biological Cybernetics*, **74**, 107-115.
- Lukatela, G., & Turvey, M. T. (1996). Inhibition of naming by rhyming primes. *Perception & Psychophysics*, **58**, 823-835.
- Pagano, C., Carello, C., & Turvey, M. T. (1996). Extero- and exproprio-perception by dynamic touch are different functions of the inertia tensor. *Perception & Psychophysics*, **58**, 1191-1202.
- Amazeen, E., Sternad, D., & Turvey, M. T. (1996). Predicting the nonlinear shift of stable equilibria in interlimb rhythmic coordination. *Human Movement Science*, **15**, 521-542.
- Turvey, M. T. & Peck, A. (1996). A review of "Emergent Forms" by Goldfield. *Quarterly Review of Biology*, **71**, 295.
- Lukatela, G. L., Carello, C., Peter, M., Lukatela, K., & Turvey, M. T. (1996). Visual and associative factors in processing Serbo-Croatian words. *European Journal of Cognitive Psychology*, **8**, 321-339.
- Peck, A., Jeffers, R. G., Carello, C., & Turvey, M. T. (1996). Haptically perceiving the length of one rod by means of another. *Ecological Psychology*, **8**, 237-258.
- Pagano, C., Garrett, S., & Turvey, M. T. (1996). Is limb proprioception a function of the limbs' inertial eigenvectors? *Ecological Psychology*, **8**, 43-69.
- Mitra, S., Amazeen, P., & Turvey, M. T. (1997). Dynamics of rhythmic interlimb coordination in the coronal plane. *Motor Control*, **1**, 44-71.
- Collins, D., & Turvey, M. T. (1997). A stochastic analysis of superposed rhythmic synergies. *Human Movement Science*, **16**, 33-80.
- Sim, M., Shaw, R. E., & Turvey, M. T. (1997). Intrinsic and required dynamics of a simple bat-ball skill. *Journal of Experimental Psychology: Human Perception and Performance*, **23**, 101-115.
- Lukatela, G., Savic, M., Urosevic, Z., & Turvey, M. T. (1997). Phonological ambiguity impairs identity priming in naming and lexical decision. *Journal of Memory and Language*, **36**, 360-381.
- Riley, M. A., Amazeen, E. L., Amazeen, P. G., Treffner, P., & Turvey, M. T. (1997). Effects of temporal scaling and attention on the asymmetric dynamics of bimanual coordination. *Motor Control*, **1**, 247-262.

- Riley, M. A., Mitra, S., Stoffregen, T. A., & Turvey, M. T. (1997). Influences of body lean and vision on postural fluctuations in stance. *Motor Control*, **1**, 229-246.
- Mitra, S., Riley, M. A., & Turvey, M. T. (1997). Chaos in human rhythmic movement. *Journal of Motor Behavior*, **29**, 195-198.
- Amazeen, E. L., Amazeen, P. G., Treffner, P. J., & Turvey, M. T. (1997). Attention and handedness in bimanual coordination dynamics. *Journal of Experimental Psychology: Human Perception and Performance*, **23**, 1552-1560.
- Peck, A., & Turvey, M. T. (1997). Coordination dynamics of the bipedal galloping pattern. *Journal of Motor Behavior*, **29**, 311-325.
- Riley, M., Wong, S., Mitra, S., & Turvey, M. T. (1997). Common effects of touch and vision on postural parameters. *Experimental Brain Research*, **117**, 165-170.
- Kadar, E. E., Shaw, R. E., & Turvey, M. T. (1997). Path space integrals for modeling experimental measurements of cerebellar functioning. *Behavioral and Brain Sciences*, **20**, 253.
- Shaw, R. E., Kadar, E. E., & Turvey, M. T. (1997). The job description of the cerebellum and a candidate model of its "tidal wave" function. *Behavioral and Brain Sciences*, **20**, 265.
- Kadar, E. E., & Turvey, M. T. (1997). Process based functionalism instead of structural functionalism is needed. *The Behavioral and Brain Sciences*, **20**, 553.
- Mitra, S., Amazeen, P. G., & Turvey, M. T. (1998). Intermediate motor learning as decreasing active (dynamical) degrees of freedom. *Human Movement Science*, **17**, 17-66.
- Turvey, M. T., Burton, G., Amazeen, E. L., Butwill, M., & Carello, C. (1998). Perceiving the width and height of a hand-held object by dynamic touch. *Journal of Experimental Psychology: Human Perception and Performance*, **24**, 35-48.
- Turvey, M. T., Park, H-S., Dumais, S. P., & Carello, C. (1998). Nonvisible perception of segments of a handheld object and the attitude spinor. *Journal of Motor Behavior*, **30**, 3-19.
- Carello, C., Fitzpatrick, P., Flascher, I., & Turvey, M. T. (1998). Inertial eigenvalues, rod density, and rod diameter in length perception by dynamic touch. *Perception & Psychophysics*, **60**, 89-100.
- Collins, D., Park, H., & Turvey, M. T. (1998). Relative coordination reconsidered: A stochastic account. *Motor Control*, **2**, 228-240.
- Sternad, D., Saltzman, E., & Turvey, M. T. (1998). Interlimb coupling in a simple serial behavior: A task dynamic approach. *Human Movement Science*, **17**, 393-433.
- Riley, M., Balasubramaniam, R., Mitra, S., & Turvey, M. T. (1998). Visual influences on center of pressure dynamics in upright posture. *Ecological Psychology*, **10**, 65-91.
- Amazeen, P. G., Amazeen, E., & Turvey, M. T. (1998). Breaking the reflectional symmetry of interlimb coordination dynamics. *Journal of Motor Behavior*, **30**, 199-216.
- Lukatela, G., Frost, S., & Turvey, M. T. (1998). Phonological priming by masked nonword primes in the lexical decision task. *Journal of Memory and Language*, **39**, 666-683.
- Lukatela, G., & Turvey, M. T. (1998). Reading in two alphabets. *American Psychologist*, **53**, 1057-1072.
- Pagano, C., & Turvey, M. T. (1998). Eigenvectors of the inertia tensor and perceiving the orientations of limbs and objects. *Journal of Applied Biomechanics*, **14**, 331-359.
- Garrett, S., Pagano, C., Austin, G., & Turvey, M. T. (1998). Spatial and physical frames of reference in positioning a limb. *Perception & Psychophysics*, **60**, 1206-1215.
- Turvey, M. T. (1998). Dynamics of effortful touch and interlimb coordination. *Journal of Biomechanics*, **31**, 873-882.
- Kim, N-G., & Turvey, M. T. (1998). Visually perceiving direction of heading on circular and elliptical paths. *Journal of Experimental Psychology: Human Perception and Performance*, **24**, 1690-1704.
- Lukatela, G., Carello, C., Savic, M., Urosevic, Z., & Turvey, M. T. (1998). When nonwords activate semantics better than words. *Cognition*, **68**, B31-B40.

- Lukatela, G., Lukatela, K., Carello, C., & Turvey, M. T. (1999). Effects of frequency and phonological ambiguity on naming Serbo-Croatian words. *European Journal of Cognitive Psychology*, **11**, 1-16.
- Russell, M. & Turvey, M. T. (1999). Auditory perception of unimpeded passage. *Ecological Psychology*, **11**, 175-188.
- Riley, M., Balasubramaniam, R., & Turvey, M. T. (1999). Recurrence quantification analysis of postural fluctuations. *Gait and Posture*, **9**, 65-78.
- Carello, C., Flascher, I., Kunkler-Peck, A., & Turvey, M. T. (1999). An evaluation of context effects in dynamic touch. *Ecological Psychology*, **11**, 194-207.
- Kim, N-G., & Turvey, M. T. (1999). Eye movements and a rule for perceiving direction of heading. *Ecological Psychology*, **11**, 233-248.
- Lukatela, G., Frost, S., & Turvey, M. T. (1999). Identity priming in English is compromised by phonological ambiguity. *Journal of Experimental Psychology: Human Perception and Performance*, **25**, 775-790.
- Carello, C., Thuot, S., Andersen, K. L., & Turvey, M. T. (1999). Perceiving the sweet spot. *Perception*, **28**, 307-320.
- Sternad, D., Turvey, M. T., & Saltzman, E. (1999). Dynamics of 1:2 coordination: Generalizing relative phase to n:m rhythms. *Journal of Motor Behavior*, **31**, 207-224.
- Sternad, D., Turvey, M. T., & Saltzman, E. (1999). Dynamics of 1:2 coordination: Sources of symmetry breaking. *Journal of Motor Behavior*, **31**, 224-235.
- Sternad, D., Turvey, M. T., & Saltzman, E. (1999). Dynamics of 1:2 coordination: Temporal scaling, latent 1:1, and bistability. *Journal of Motor Behavior*, **31**, 236-247.
- Turvey, M.T., Holt, K. G., LaFiandra, M. E., & Fonseca, S. T. (1999). Can the transitions to and from running and the metabolic cost of running be determined from the kinetic energy of running? *Journal of Motor Behavior*, **31**, 265-279.
- Barac-Cikoja, D., & Turvey, M. T. (1999). Anisotropy in the extended haptic perception of longitudinal distances. *Perception & Psychophysics*, **61**, 1522-1536.
- Cooper, M., Carello, C., & Turvey, M. T. (1999). Further evidence of perceptual independencies (specificities) in dynamic touch. *Ecological Psychology*, **11**, 269-281.
- Turvey, M. T., Shockley, K., & Carello, C. (1999). Affordance, proper function, and the physical basis of perceived heaviness. *Cognition*, **73**, B17-B26.
- Turvey, M. T., & Shaw, R. E. (1999). Ecological foundations of cognition: I. Symmetry and specificity of animal-environment systems. *Journal of Consciousness Studies*, **6**, 85-110.
- Shaw, R. E., & Turvey, M. T. (1999). Ecological foundations of cognition: II. Degrees of freedom and conserved quantities in animal-environment systems. *Journal of Consciousness Studies*, **6**, 111-123.
- Riley, M., Stoffregen, T., Grocki, M., & Turvey, M. T. (1999). Postural stabilization for the control of touching. *Human Movement Science*, **18**, 795-817.
- Lukatela, G., & Turvey, M. T. (2000). Do spelling variations affect associative and phonological priming by pseudohomophones? *Perception & Psychophysics*, **62**, 196-217.
- Kim, N-G., Fajen, B., & Turvey, M. T. (2000). Perceiving circular heading in noncanonical flow fields. *Journal of Experimental Psychology: Human Perception and Performance*, **26**, 31-56.
- Cooper, M., Carello, C., & Turvey, M. T. (2000). Perceptual independence of whole length, partial length, and hand position in wielding a rod. *Journal of Experimental Psychology: Human Perception and Performance*, **26**, 74-85.
- Kunkler-Peck, A., & Turvey, M. T. (2000). Hearing shape. *Journal of Experimental Psychology: Human Perception and Performance*, **26**, 279-294.
- Goodman, L., Riley, M., Mitra, S., & Turvey, M. T. (2000). Advantages of rhythmic movements at resonance: minimal active degrees of freedom, minimal noise, and maximal predictability. *Journal of Motor Behavior*, **32**, 3-8.

- Lukatela, G., & Turvey, M. T. (2000). An evaluation of the two-cycles model of phonology assembly. *Journal of Memory and Language*, **42**, 183-207.
- Balasubramaniam, R., Riley, M., & Turvey, M. T. (2000). Specificity of postural sway to the demands of a precision task. *Gait & Posture*, **11**, 12-24.
- Stroop, M., Turvey, M. T., Fitzpatrick, P., & Carello, C. (2000). Inertia tensor and weight-percept models of length perception by static holding. *Journal of Experimental Psychology: Human Perception and Performance*, **26**, 1133-1147.
- Carello, C., Thuot, S., & Turvey, M. T. (2000). Aging and the perception of a racket's sweet spot. *Human Movement Science*, **19**, 1-20.
- Riley, M. A., & Turvey, M. T. (2001). The self-organizing dynamics of intentions and actions. *American Journal of Psychology*, **114**, 160-169.
- Shockley, K., Grocki, M., Carello, C., & Turvey, M. T. (2001). Somatosensory attunement to the rigid body laws. *Experimental Brain Research*, **136**, 133-137.
- Pellecchia, G., & Turvey, M. T. (2001). Cognitive activity shifts the attractors of bimanual rhythmic coordination. *Journal of Motor Behavior*, **33**, 9-15.
- Park, H., Collins, D., & Turvey, M. T. (2001). Dissociation of muscular and spatial constraints on patterns of interlimb coordination. *Journal of Experimental Psychology: Human Perception and Performance*, **27**, 32-47.
- Balasubramaniam, R., & Turvey, M. T. (2001). The handedness of postural fluctuations. *Human Movement Science*, **19**, 667-684.
- Turvey, M. T., Whitmyer, V., & Shockley, K. (2001). Explaining metamers: Right degrees of freedom not subjectivism. *Consciousness and Cognition*, **10**, 105-116
- Lukatela, G., Eaton, T., Lee, C., & Turvey, M. T. (2001). Does visual word identification involve a sub-phonemic level? *Cognition*, **78**, B41-B52.
- Riley, M., & Turvey, M. T. (2001). Inertial constraints on limb proprioception are independent of visual calibration. *Journal of Experimental Psychology: Human Perception and Performance*, **27**, 438-455.
- Riley, M., Santana, M-V., & Turvey, M. T. (2001). Deterministic noise and stability in detuned bimanual rhythmic coordination. *Human Movement Science*, **20**, 343-369.
- Wagman, J., Shockley, K., Riley, M., & Turvey, M. T. (2001). Attunement, calibration and exploration in fast haptic perceptual learning. *Journal of Motor Behavior*, **33**, 323-327.
- Galantucci, B., Fowler, C. A., & Turvey, M. T. (2001). Event coding as feature guessing: the lessons of the motor theory of speech perception. *Behavioral and Brain Sciences*, **24**, 886-887.
- Lukatela, G., Eaton, T., Lee, C., Carello, C., & Turvey, M. T. (2002). Equal homophonic priming with words and pseudowords. *Journal of Experimental Psychology: Human Perception and Performance*, **28**, 3-21.
- Riley, M., & Turvey, M. T. (2002). Variability and determinism in motor behavior. *Journal of Motor Behavior*, **34**, 99-125.
- Riley, M., Wagman, J., Santana, M-V., Carello, C., & Turvey, M. T. (2002). Perceptual behavior: Recurrence analysis of a haptic exploratory procedure. *Perception*, **31**, 481-510.
- Butwill, M., & Turvey, M. T. (2002). Haptic alignment of the hands in three dimensions. *Journal of Motor Behavior*, **34**, 211-232.
- Lee, C., & Turvey, M. T. (2003). Silent letters and phonological priming. *Journal of Psycholinguistic Research*, **32**, 313-333.
- Kay, B., Turvey, M. T., & Meier, O. (2003). An early oscillator mechanism: Studies in the biodynamics of the piano strike (Bernstein & Popova, 1930). *Motor Control*, **7**, 1-45.
- Van Orden, G., Holden, J., & Turvey, M. T. (2003). Self-organization of cognitive performance. *Journal of Experimental Psychology: General*, **132**, 331-351.

- Carello, C. & Turvey, M. T. (2004). Physics and psychology of the muscle sense. *Current Directions in Psychological Science*, **13**, 25-28.
- Turvey, M. T. (2004). Space (and its perception): The first and final frontier. *Ecological Psychology*, **16**, 25-29.
- Mitra, S., & Turvey, M. T. (2004). A rotation invariant in three-dimensional reaching. *Journal of Experimental Psychology: Human Perception and Performance*, **30**, 163-179.
- Lukatela, G., Eaton, T., Sabadini, L. & Turvey, M. T. (2004). Vowel duration affects visual word identification: Evidence that the mediating phonology is phonetically informed. *Journal of Experimental Psychology: Human Perception and Performance*, **30**, 151-162.
- Balasubramaniam, R., & Turvey, M. T. (2004). Coordination modes in the multisegmental dynamics of hula hooping. *Biological Cybernetics*, **90**, 176-190.
- Shockley, K., Carello, C., & Turvey, M. T. (2004). Metamers in the haptic perception of heaviness and moveability. *Perception & Psychophysics*, **66**, 731-742.
- Fajen, B. & Turvey, M. T. (2004). Perception, categories and possibilities for action. *Adaptive Systems*, **11**, 276-278.
- Amazeen, P., Amazeen, E., & Turvey, M. T. (2004). Symmetry and the devil. *Journal of Motor Behavior*, **36**, 371-372.
- Van Orden, G., Holden, J., & Turvey, M. T. (2005). Human cognition and 1/f scaling. *Journal of Experimental Psychology: General*, **134**, 117-123.
- Turvey, M. T. (2005). Theory of Brain and Behavior in the 21st Century: No Ghost, No Machine. *Japanese Journal of Ecological Psychology*, **2**, 69-79.
- Pellecchia, G., Shockley, K., & Turvey, M. T. (2005). Concurrent cognitive task modulates coordination dynamics. *Cognitive Science*, **29**, 531-557.
- Shockley, K., & Turvey, M. T. (2005). Encoding and retrieval during bimanual rhythmic coordination. *Journal of Experimental Psychology: Learning, Memory, and Language*, **31**, 980-990.
- Carello, C., & Turvey, M. T. (2005). Symmetry and duality. *Ecological Psychology*, **17**, 131-133.
- Turvey, M. T., & Moreno, M. (2006). Physical metaphors for the mental lexicon. *The Mental Lexicon*, **1**, Galantucci, B., Fowler, C., & Turvey, M. T. (2006). The motor theory of speech perception reviewed. *Psychonomics Bulletin and Review*, **13**, 361-377.
- Kudo, K., Park, H., Kay, B., & Turvey, M. T. (2006). Environmental coupling modulates the attractors of rhythmic coordination. *Journal of Experimental Psychology: Human Perception and Performance*, **32**, 100-110.
- Carello, C., Kinsella-Shaw, J., Amazeen, E., & Turvey, M. T. (2006). Peripheral neuropathy and object length perception by effortful (dynamic) touch: A case study. *Neuroscience Letters*, **405**, 159-163.
- Kinsella-Shaw, J., Harrison, S., Colon-Semenza, C., & Turvey, M. T. (2006). Effects of the visual environment on quiet standing by young and old adults. *Journal of Motor Behavior*, **38**, 251-264.
- Lee, Y., Moreno, M., Park, H., Carello, C., & Turvey (2006). Phonological assimilation and visual word recognition. *Journal of Psycholinguistic Research*, **35**, 513-530.
- Shockley, K., & Turvey, M. T. (2006). Dual-task influences on retrieval from semantic memory and coordination dynamics. *Psychonomic Bulletin and Review*, **13**, 985-900.
- Lukatela, G., Eaton, T., Moreno, M., & Turvey, M. T. (2007). Equivalent inter- and intra-modality long-term priming: Evidence for a common lexicon for words seen and words heard. *Memory & Cognition*, **35**, 781-800.
- Chemero, A., & Turvey, M. T. (2007). Complexity, hypersets, and the ecological approach to perception-action. *Biological Theory*, **2**, 23-36.
- Hajnal, A., Fonseca, S., Kinsella-Shaw, J., Silva, P., Carello, C., & Turvey, M. T. (2007). Haptic selective attention by foot and by hand. *Neuroscience Letters*, **419**, 5-9.
- Turvey, M. T. (2007). Action and perception at the level of synergies. *Human Movement Science*, **26**, 657-697.

- Rhodes, T. & Turvey, M. T. (2007). Human memory retrieval as Lévy foraging. *Physica A*, **385**, 255-260.
- Chemero, A., & Turvey, M. T. (2007). Gibsonian affordances for roboticists. *Adaptive Behavior*, **15**, 473-480.
- Silva, P., Moreno, M., Mancini, M., Fonseca, S., & Turvey, M. T. (2007). Steady-state stress at one hand magnifies the amplitude, stiffness, and non-linearity of oscillatory behavior at the other hand. *Neuroscience Letters*, **429**, 64-68.
- Chemero, A., & Turvey, M. T. (2008). Autonomy and hypersets. *Biosystems*, **91**, 320-330.
- Turvey, M. T. (2008). Life and the sciences of complexity: Introduction. *Ecological Psychology*, **2**, 146-147.
- Stepp, N., & Turvey, M. T. (2008). Anticipating synchronization as an alternative to the internal model. *Behavioral and Brain Sciences*, **31**, 216-217.
- Stephen, D. G., Stepp, N., Dixon, J. A., & Turvey, M. T. (2008). Strong anticipation: Sensitivity to long-range correlations in synchronization behavior. *Physica A*, **387**, 5271-5278
- Turvey M. T. (2008). Philosophical issues in self-organization as a framework for ecological psychology: Introduction. *Ecological Psychology*, **20**, 240-243.
- Carello, C., Silva, P., Kinsella-Shaw, J., & Turvey, M. T. (2008). Muscle based perception: Theory, research and implications for rehabilitation. *Revista Brasileira de Fisioterapia (Brazilian Journal of Physical Therapy)*, **12**, 339-350.
- Fajen, B., Riley, M. R., & Turvey, M. T. (2009). Information, affordances and control of action in sports. *International Journal of Sports Psychology*, **40**, 79-107.
- Riley, M. R., Fajen, B., & Turvey, M. T. (2009). Reply to commentaries on "Information, affordances and control of action in sports". *International Journal of Sports Psychology*, **40**, 207-218.
- Bonnet, C., Carello, C., & Turvey, M. T. (2009). Diabetes and postural stability: Review and hypotheses. *Journal of Motor Behavior*, **41**, 172-190.
- Frank, T., Blau, J., & Turvey, M. T. (2009). Nonlinear attractor dynamics in the fundamental and extended prism adaptation paradigm. *Physics Letters A*, **373**, 1022-1030.
- Wagman, J., Carello, C., Schmidt, R. C., & Turvey, M. T. (2009). Is perceptual learning unimodal? *Ecological Psychology*, **21**, 37-67.
- Holden, J., Van Orden, G., & Turvey, M. T. (2009). Dispersion of response times reveals cognitive dynamics. *Psychological Review*, **116**, 318-342.
- Frank, T., Richardson, M., Lopresti-Goodman, S., & Turvey, M. T. (2009). Order parameter dynamics of body-scaled hysteresis and mode transitions in grasping behavior. *Journal of Biological Physics*, **35**,
- Turvey, M. T. (2009). On the notion and implications of organism-environment system: Introduction. *Ecological Psychology*, **21**, 93-111.
- Blau, J., Stephen, D., Carello, C., & Turvey, M. T. (2009). Prism adaptation of underhand throwing: Rotational inertia and the primary and latent aftereffects. *Neuroscience Letters*, **456**, 54-58.
- Harrison, S., & Turvey, M. T. (2009). Carried load affects human odometry for travelled distance but not straight-line distance. *Neuroscience Letters*, **462**, 140-143.
- Turvey, M. T., Romaniak-Gross, C., Isenhower, R. W., Arzamarski, R., Harrison, S., & Carello, C. (2009). Human odometry is gait-symmetry specific. *Proceedings of the Royal Society B: Biological Sciences*,
- Silva, P. L., Harrison, S., Kinsella-Shaw, J., Turvey, M. T., & Carello, C. (2009). Lessons for dynamic touch from a case of stroke-induced motor impairment. *Ecological Psychology*, **21**, 1-17.
- Petrusz, S., & Turvey, M. T. (2009). Dispositioning and the sciences of complexity. *Behavior and Philosophy*, **37**, 135-140.
- Bonnet, C., Kinsella-Shaw, J., Frank, T., Bubela, D., Harrison, S., & Turvey, M. T. (2010). Deterministic and stochastic postural processes: Effects of task, environment, and age. *Journal of Motor Behavior*, **42**,
- Arzamarski, R., Isenhower, R., Kay, B., Turvey, M. T., & Michaels, C. F. (2010). Effects of intention and learning on attention to information in dynamic touch. *Attention, Perception & Psychophysics*, **78**,

- Petrusz, S., & Turvey, M. T. (2010). On the distinctive features of ecological laws. *Ecological Psychology*, Stepp, N., & Turvey, M. T. (2010). On strong anticipation. *Cognitive Systems Research*, **11**, 148-164.
- Harrison, S., & Turvey, M. T. (2010). Place learning by mechanical contact. *Journal of Experimental Biology*, **213**, 1436-1442.
- Silva, P. L., Fonseca, S., & Turvey, M. T. (2010). Is tensegrity the functional architecture of the equilibrium point hypothesis? *Motor Control*, **14**, e35-e40.
- Moreno, M., Stepp, N., & Turvey, M. T. (2011). Whole body lexical decision. *Neuroscience Letters*, **490**, Stepp, N., Chemero, A., & Turvey, M. T. (2011). Philosophy for the rest of cognitive science. *Topics in Cognitive Science*, **3**, 425-437.
- Palatinus, Z., Carello, C., & Turvey, M. T. (2011). Principles of part-whole selective perception by dynamic touch extend to the torso. *Journal of Motor Behavior*, **43**, 87-94.
- Schultz, A. P., Zou, Y., Marawan, N., Turvey, M. T. (2011). Local minima-based recurrence plots for continuous dynamical systems. *International Journal for Bifurcation and Chaos*, **21**, 1065-1075.
- Kinsella-Shaw, J. M., Harrison, S. J., & Turvey, M. T. (2011). Inter-leg coordination in quiet standing: Influence of age and visual environment on noise and stability. *Journal of Motor Behavior*, **43**, 285-294.
- Lopresti-Goodman, S., Turvey, M. T., & Frank, T. (2011). Behavioral dynamics of the affordance "graspable." *Attention, Perception & Psychophysics*, **73**, 1948-1965.
- Turvey, M. T., & Carello, C. (2011). Obtaining information by dynamic (effortful) touching. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **366**, 3123-3132.
- Ishenower, R. W., Kant, V., Frank, T., Pinto, C., Carello, C., & Turvey, M. T. (2012). Equivalence of human odometry by walk and run is indifferent to self-selected speed. *Journal of Motor Behavior*, **44**, 47-52.
- Turvey, M. T. & Carello, C. (2012). Introduction to special issue "On intelligence from first principles I", *Ecological Psychology*, **24**, 1-2.
- Turvey, M. T. & Carello, C. (2012). On intelligence from first principles: Guidelines for inquiry into the hypothesis of physical intelligence (PI). *Ecological Psychology*, **24**, 3-32.
- Frank, T., Blau, J., & Turvey, M. T. (2012). Symmetry breaking analysis of prism adaptation's latent aftereffect. *Cognitive Science*, **36**, 674-697.
- Frank, T., Silva, P., & Turvey, M. T. (2012). Symmetry axiom of Haken-Kelso-Bunz coordination dynamics revisited in the context of cognitive activity. *Journal of Mathematical Psychology*, **56**, 149-165.
- Turvey, M. T., & Carello, C. (2012). Introduction to special issue "On intelligence from first principles II", *Ecological Psychology*, **24**, 179-184.
- Turvey, M. T., Harrison, S. J., Frank, T., & Carello, C. (2012). Human odometry verifies the symmetry perspective on bipedal gaits. *Journal of Experimental Psychology: Human Perception and Performance*, **38**, 1014-1025.
- Lee, Y., Lee, S., Carello, C., & Turvey, M. T. (2012). An archer's perceived form scales the "hit-ability" of archery targets. *Journal of Experimental Psychology: Human Perception and Performance*, **38**, 1132-1143.
- Silva, P., & Turvey, M. T. (2012). The role of haptic information in shaping coordination dynamics: Inertial frame of reference hypothesis. *Human Movement Science*, **31**, 1014-1036.
- Turvey, M. T. (2012). From physical education to physical intelligence: 50 years of perception-action by Michael T. Turvey. *Avant: The Journal of the Philosophical-Interdisciplinary Vanguard*, **3**, 128-138.
- Lee, Y., Moreno, M., Carello, C., & Turvey, M. T. (2013). Do phonological constraints on the spoken word affect visual lexical decision? *Journal of Psycholinguistic Research*, **42**, 191-204.
- Lopresti-Goodman, S., Turvey, M. T., & Frank, T. (2013). Negative hysteresis in the behavioral dynamics of the affordance "graspable". *Attention, Perception, & Psychophysics*, **75**, 1075-1091.

- Turvey, M. T. & Carello, C. (2013). The surprising nature of the reaction time task. *Ecological Psychology*, 25, 226-232.
- Kinsella-Shaw, J., Harrison, S.J., Carello, C., & Turvey, M. T. (2013). Laterality of quiet standing in old and young. *Experimental Brain Research*, 231, 383-396.
- Dotov, D., Frank, T., & Turvey, M. T. (2013). Balance affects prism adaptation: Evidence from the latent aftereffect. *Experimental Brain Research*, 231, 425-432.
- Turvey, M. T. & Fonseca, S. T. (2014). The medium of haptic perception: A tensegrity hypothesis. *Journal of Motor Behavior*, 46, 143-187.
- Palatinus, Z., Keltey-Stephen, D., Kinsella-Shaw, J., Carello, C., & Turvey, M. T. (2014). Haptic intent in quiet standing affects multifractal scaling of postural fluctuations. *Journal of Experimental Psychology: Human Perception and Performance*, 40, 1808-1818.
- Abdolvahab, M., Carello, C., Pinto, C., Turvey, M. T., & Frank, T. (2015). Symmetry and order parameter dynamics of the human odometer. *Biological Cybernetics*, 109, 63-73
- Turvey, M. T. (2015). Quantum-like issues at nature's ecological scale (the scale of organisms and their environments). *Mind & Matter*, 13, 7-44.
- Stepp, N., & Turvey, M. T. (2015). The muddle of anticipation. *Ecological Psychology*, 27, 103-126.
- Harrison, H., Turvey, M.T. & Frank, T. (2016). Affordance-based perception-action dynamics: A model of visually guided braking. *Psychological Review*, 23, 305-323.
- Davis, T. J. & Turvey, M. T. (2016). One world, multiple organisms: specificity/autocatakinetics versus enactivism/autopoeisis. *Constructivist Foundations*, 11, 330-332.
- Kim, S., Carello, C., & Turvey, M. T. (2016). Size and distance are perceived independently in an optical tunnel: Evidence for direct perception. *Vision Research*, 125, 1-11.
- Turvey, M. T. (2016). Carol Fowler: Direct realist. *Ecological Psychology*, 28, 138-155.
- Vaz, D. V., Kay, B. A., & Turvey, M. T. (2017). Effects of visual and auditory guidance on bimanual coordination complexity. *Human Movement Science*, 54, 13-23.
- Stepp, N. & Turvey, M. T. (2017). Anticipation in manual tracking with multiple delays. *Journal of Experimental Psychology: Human Perception and Performance*, 43, 914-925.
- Carello, C. & Turvey, M. T. (2017). Useful dimensions of haptic perception: 50 years after *The Senses Considered as Perceptual Systems*. *Ecological Psychology*, 29, 95-121,
- Felip Lopez, M. & Turvey, M. T. (2017). Desideratum for GUT: A functional semantics for sport. *Human Movement Science*, 56, 169-172.
- Turvey, M. T. & Sheya, A. (2017). Nonobvious influences on perception-action abilities. *Psychonomic Bulletin Review*, 24, 1597-1603.
- Profeta, V. L. & Turvey, M. T. (2018). Bernstein's level of movement construction: A contemporary perspective. *Human Movement Science*, 57, 111-133.
- Hanke, T., Tiberio, D., Kay, B., & Turvey, M. T. (2018). Age-related differences in postural and goal-directed movements during medial-lateral rhythmic stepping. *Motor Control*, 16, 1-19.
- Carello, C., & Turvey, M. T. (2017). Useful dimensions of haptic perception: 50 years after the senses considered as perceptual systems. *Ecological Psychology*, 29, 95-121.
- Fultot, M., Frazier, P. A., Turvey, M.T. & Carello, C. (2019) von Uexküll's Theory of Meaning and Gibson's Organism-Environment Reciprocity. *Ecological Psychology*, 31, 218-235
- Carello, C., & Turvey, M. T. (in press). Challenging the axioms of perception: the retinal image and the visibility of light. In J. B. Wagman & J. J. C. Blau (Eds.), *Perception as information detection: Reflections on Gibson's ecological approach to visual perception*. New York: Taylor & Francis.
- Dotov, D., Frank, T., & Turvey, M. T. (in press). Embodied gestalts: Unstable visual phenomena become stable when they are stimuli for competitive action-selection. *Attention, Perception, & Psychophysics*
- Fultot, M. F., Frazier, P. A., Turvey, M. T. & Carello, C. (2019). What Are Nervous Systems For? *Ecological Psychology (Special Issue)*, 31, 198-234. (415).

(122 publications since 2000, 49 since 2010)

Invited Colloquia/Presentations

Academy of Science, Beijing, China
Advanced Telecommunications Research (ATR), Kyoto, Japan
Amherst College
Antioch College
Arizona State University
Barnard College
Birkbeck College, London, England
Boston College
Boston University (5)
 Center for Adaptive Systems (2)
 Center for Neuromuscular Disorders
 Sargent Health Sciences (2)
Brandeis University (3)
Bristol University, Bristol, England
Brown University (4)
Buffalo State University
Cambridge University, Cambridge, England
Carlton University, Ottawa, Canada
Carnegie Mellon University
Center for Advanced Study in the Behavioral Sciences, Palo Alto, California
Chinese University of Hong Kong
City University of New York
Clark University
Columbia University
Cornell University
Dalhousie University
Dartmouth College (2)
Denison University
Exeter University, Exeter, England
Free University, Amsterdam, Netherlands (5)
Federal University of Minas Gerais, Belo Horizonte, Brazil (2)
Fell's Research Institute
Georgia Tech
Griffith University, Queensland, Australia
Guelph University, Guelph, Canada
Hampshire College
Harvard University
Indiana University (2)
Illinois State University
John Hopkins University (2)
Kangnam University, Korea (2)
Lake Forest College
London University, London, England
Loughborough University, England
Massachusetts Institute of Technology
 Department of Psychology (2)

Department of Electrical Engineering
Mayo Clinic
McGill University, Montreal, Quebec, Canada
McMaster University, Hamilton, Ontario, Canada
National Institutes of Health, Bethesda, Maryland
New School for Social Research, New York
New York University (3)
Northeast Ontario Medical Center
Northeastern University
Oxford University, Oxford, England
Ohio State University (3)
Ohio Wesleyan University
Pennsylvania State University
 Department of Psychology
 Department of Kinesiology (2)
Princeton University
Queen's University, Belfast, Ireland
Queen's University, Kingston, Ontario
Reading University, Reading, England
The Rockefeller University
The Salk Institute
Seoul National University, Korea (2)
Simon Fraser University, Vancouver, Canada
Sheffield University, Sheffield, England
Smith College (2)
Stanford University (3)
 Department of Psychology
 Department of Philosophy
 Medical School: Aging, Alcoholism, & Alzheimer's Program
State University of New York at Binghamton
Stirling University, Stirling, Scotland
Sussex University, Sussex, England
Swarthmore College
Tokyo University, Japan
Tokyo Denke University, Japan
University at Albany
University of Belgrade, Yugoslavia
 Faculty of Philosophy (2)
 Faculty of Electrical Engineering (2)
University of Buffalo
University of California, Berkeley
University of California, Los Angeles (2)
University of California, San Diego
University of California, Riverside
University of California, Merced
University of Cincinnati (2)
University of Chicago
University of Delaware

University of Groningen, Netherlands
University of Illinois
University of Iowa
University of Massachusetts (4)
 Department of Psychology
 Department of Philosophy
 Department of Kinesiology
 Neuroscience
University of Michigan
University of Minnesota (3)
University of Nebraska, Omaha
University of North Carolina, Greensboro
University of Pennsylvania (3)
University of Pittsburgh
University of Texas
University of Tokyo, Japan
University of Toronto, Toronto, Canada (2)
University of Washington (5)
University of Western Kentucky
University of Wisconsin
Vanderbilt University
Vassar College
Wellesley College
Wesleyan University (2)
Yale University (2)
Yeshiva University

Invited Conferences and Symposia

Lake Arrowhead Conference on Verbal Learning and Memory—Lake Arrowhead, CA (1970)
Cognition and the Symbolic Processes, I—Penn State University (1972)
North American Society for the Psychology of Sport and Physical Activity—University of Illinois (1973)
Perceiving, Acting, and Knowing—University of Minnesota (1973)
International Conference on Dyslexia—Mayo Clinic (1975)
Seventh International Symposium on Attention and Performance—Sénanque, France (1976)
Levels of Processing in Memory—Rockport, MA (1976)
Information Processing Stages in Memory—Paris (1976)
Information Processing and Motor Control—University of Wisconsin (1977)
North American Society for the Psychology of Sport and Physical Activity—Ithaca College (1977)
Perceptual Organization—Washington, D.C. (1977)
Perspectives on Memory Research—Uppsala University (1977)
Cognition and the Symbolic Processes, II—Penn State University (1977)
Orthography, Reading, and Dyslexia—NIH (1978)
Interrelations Among the Communicative Senses—Asilomar, CA (1978)
Understanding Human Movement Control—Iowa State University (1980)
Biological Constraints on Linguistic Form—Berlin (1980)
American Psychological Association Symposium on James J. Gibson's Contribution to Psychology—
 Montreal, Canada (1980)
Nonlinear Approaches to Brain Function—Santa Inez, CA (1981)
Language and Movement—Lake Arrowhead, CA (1981)

Neural Modeling—Phoenix, Arizona (1981)
 Lake Ontario Visual Experimenters—Niagara, Canada (1982)
 Serbian Congress of Psychology—Smederevo, Yugoslavia (1982)
 Situational Semantics—University of Massachusetts (1983)
 ONR Meetings on Attention and Action—Santa Barbara, CA (1983)
 International Symposium on Psychological Aspects of the Chinese Language—University of Hong Kong (1984)
 ONR Meetings on Attention and Action—New Haven, CT (1984)
 Sensory-Motor Systems—Bielefeld, FRG (1985)
 ONR Meetings on Attention and Action—Boston, MA (1985)
 ONR Meetings on Attention and Action—Eugene, OR (1986)
 Speaking, Reading, Thinking, and Development—Southern Florida University (1987)
 A Natural-Physical Approach to Movement Control—The Free University, Amsterdam (1987)
 International Conference on Skilled Behavior—Sussex University (1987)
 Dynamical Patterns in Complex Systems—Boca Raton (1988)
 Mechanics, motion, and animation—MIT (1989)
 Synergetics of cognition—Munich, FRG (1989)
 International Symposium on motor control and motor learning—Saarbrücken, FRG (1989)
 Phonological process in visual word recognition—Zadar, Yugoslavia (1989)
 Gibson Memorial Lecture—Cornell University (1989)
 Methodological and theoretical issues in cognitive psychology—Minneapolis, MN (1991)
 Variability in motor control—Chicago, IL (1991)
 Dynamical representations in cognition—Bloomington, IN (1991)
 Dynamics of Complex Systems—Boca Raton, FLA (1992)
 International Conference on Interlimb Coordination—Leuven, Belgium (1992)
 Plenary address, Society for Cognitive Science Meetings—Bloomington, IN (1992)
 Human Kinetics Lecture, North American Society for the Psychology of Sport and Physical Activity—MN (1993)
 Keynote address, Gatlinburg conference on Research and Theory in Mental Retardation and Developmental Disabilities—Gatlinburg TN (1995).
 Symposium On rhythmic and discrete synergies: Current theories and new directions. Eighth International Conference on Perception and Action—Marseilles, FR (1995).
 Dynamical themes in perception and action on the 125th Anniversary of Vrije Universiteit—Amsterdam, Netherlands (1995)
 Symposium on Homeokinetic Physics at the North American Society for Ecological Psychology—Hartford, CT (1996)
 Workshop on Dynamics, Computation, and Cognition at the Santa Fe Institute—Santa Fe, NM (1996)
 Bernstein's Traditions in Motor Control—State College, PA (1996)
 Vision and Action at Institute for Spatial and Terrestrial Science, York University—Toronto, Canada (1997)
 Keynote Address, American Society for Biomechanics—Clemson, SC (1997).
 APA Distinguished Scientist Lecturer Keynote Address, SEPA—Mobile AL (1998).
 Keynote Address, Conference on Representation and Blindness—San Marino (1998).
 Invited presentation, 1998 Homeokinetics Conference—Storrs, CT (1998)
 Plenary Address, Chaos Society—Boston, MA (1998)
 Preeminent Tutorial, Society for the Quantitative Analysis of Behavior—Chicago (1999)
 Invited address, Workshop on Science and Practice of Reading—Storrs, CT (1999)

Symposium on Auditory Perception, X International Conference on Perception and Action—Edinburgh, Scotland (1999).

Special Lectures in Neuroscience, Purdue University Interdisciplinary Graduate Program in Neuroscience—West Lafayette, IN (1999).

Special Lectures in Cognitive Science, Norwegian University of Science and Technology—Trondheim, Norway (1999).

Society of Experimental Psychologists—Santa Cruz, CA (2000)

Perspectives on Human Memory and Cognitive Aging (In Honor of F. I. M. Craik)—Toronto, Canada (2000).

Invited paper, The new natural philosophy: Introduction to 21st century physics and cosmology—Storrs, CT. (2000).

Invited presentation, Symposium on Active and Passive Touch, International Congress of Psychology—Stockholm, Sweden (2000)

Invited presentation, Symposium on Ecological Psychology in the 21st Century, International Congress of Psychology—Stockholm, Sweden (2000)

Invited presentation, New England Sequencing and Timing Conference—New Haven, CT. (2001)

Society of Experimental Psychologists—Princeton, NJ (2001)

Invited presentation, Symposium on The Perception-Action Cycle, XI International Conference on Perception and Action—Storrs, CT. (2001)

Invited presentation, Symposium on Affordance, International Conference on Perception and Action—Storrs, CT. (2001)

Keynote Address, 6th Biennial Motor Control & Human Skill Research Workshop—Fremantle, Western Australia, Australia (2001)

Primary Workshop on the Physics and Psychology of the Muscle Sense, 6th Biennial Motor Control & Human Skill Research Workshop—Fremantle, Western Australia, Australia (2001)

Invited presentation, Conference on Current Issues in the Ecological Approach to Perception and Action—Amsterdam, Netherlands (2002)

Society of Experimental Psychologists—Berkeley, CA (2002)

Invited address, International Conference on Coordination Dynamics—West Palm Beach, FL (2002)

Invited address, Physics and Psychology of the Muscle Sense, APS Conference—New Orleans, LA (2002)

Invited address, Dynamical Neuroscience Symposium, Society for Neuroscience—Orlando, FL (2002)

Society of Experimental Psychologists—St. Louis, MO (2003)

Invited address, Munich Encounters in Cognition and Action, Max Planck Institute—Munich, Germany (2003).

Invited presentation, XII International Conference on Perception and Action—Gold Coast, Australia (2003)

F. J. McGuigan Lecture, APA—Toronto, Canada, (2003).

Organizer/Presenter NSF Workshop on Integrated Cognitive Science—Washington DC (2003)

Delos D. Wickens Memorial Lecture, Ohio State University—Columbus, OH (2003)

Society of Experimental Psychologists—Ithaca, NY (2004)

Lecture Series on Ecological Psychology, Japan Society for the Promotion of Science, Institute for Informatics—Tokyo, Japan (2004).

Keynote Address, Conference on Ecological Psychology, Kangnam University—Seoul, Korea (2004)

Keynote Address, Fourth International Conference on the Mental Lexicon—Windsor, Ontario, Canada (2004)

Keynote Addresses (Opening and Closing), Second Brazilian Conference on Motor Control—Belo Horizonte, Brazil (2004)

Invited presentation, Lake Ontario Visual Experimenters—Niagara, Canada (2005)

Howard Hughes Medical Institute Lecture, Trinity College—Hartford, CT (2005)

Society of Experimental Psychologists—Tampa, FLA (2005).

Invited presentations, 14th International Conference of Perception and Action—Yokohama, Japan (2005)

Invited presentation, 6th International Conference on Progress in Motor Control—State College, PA (2005)

Keynote Address, 11th International Congress of French Society of Movement Scientists—Paris, France (2005)

Society of Experimental Psychologists—San Diego, CA (2006)

Keynote Address, X1X Symposium of the Spanish Society for the History of Psychology—Madrid, Spain (2006)

Keynote Address on Motor Development, North American Society of the Psychology of Sport and Physical Activity—Denver, CO (2006)

Faculty, Motor Control Summer School—Ligonier, PA (2006)

Lecturer, APA Advanced Technical Institute (Applications of Nonlinear Dynamics in Psychology)—Cincinnati, OH (2006)

Invited presentation, International Conference on Coordination Dynamics—Boca Raton, FLA (2007)

Society of Experimental Psychologists—Storrs, CT (2007)

Keynote Address, European Workshop on Movement Science 2007—Amsterdam, Netherlands (2007)

Lecturer, APA Advanced Technical Institute (Applications of Nonlinear Dynamics in Psychology)—Cincinnati, OH (2007)

Invited presentations, 14th International Conference on Perception and Action—Yokohama, Japan (2007)

Distinguished Ohio State University Alumnus Award, Centennial Celebration, Department of Psychology Lecture—Columbus, OH (2007)

Centennial Celebration Lecture, College of Liberal Arts and Sciences, Purdue University—West Lafayette, IN (2007)

Society of Experimental Psychologists—Indiana University, Bloomington, IN (2008)

Lecturer, APA Advanced Teaching Institute (Applications of Nonlinear Dynamics in Psychology)—Cincinnati, OH (2008)

Keynote Address, European Society of Ecological Psychology—Madeira, Portugal (2008)

Invited workshop on Sports Science and the Sciences of Complexity—Madeira, Portugal (2008)

Invited lecture in the Lecture Series: George Berkeley's *New Theory of Vision*: 300 Years Later, Brown University—Providence, RI (2009)

Society of Experimental Psychologists—University of Colorado, Boulder, CO (2009)

Invited presentation, 15th International Conference on Perception and Action—Minneapolis, MN (2009)

Keynote Address, International Conference on Progress in Motor Control VII—Marseille, France (2009)

Inauguration of the Center for Motor Control Lecture—Pennsylvania State University, PA (2009)

Closing Address, 5th Biennial International Conference on the Philosophical, Epistemological, and Methodological Implications of the Theory of Complexity—Havana, Cuba (2010)

Society of Experimental Psychologists—University of Pennsylvania, Philadelphia, PA (2010)

Commencement Address—University of Connecticut, Storrs, CT (2010)

Invited Address, 25th Anniversary Conference on Perception and Action, ZIF—Bielefeld, Germany (2010)

Invited Address, Royal Society Conference on Active Tactile Systems—Chicheley, UK (2011)

Invited Presentation DARPA Meeting on Physical Intelligence—UCLA (2011)

Society of Experimental Psychologists—University of Washington, Seattle, WA (2011)

Honor Doctorate-Humane Letters University Address—Florida Atlantic University, Boca Raton, (2011)

Invited Presentations (3), International Conference on Perception and Action—Ouro Preto, Brazil (2011)

Past ISMC's President's Address, International Conference on Progress in Motor Control VIII—Cincinnati, J. R. Kantor Memorial Lecture, Denison University—Granville, OH (2012)

Society of Experimental Psychologists—Rice University, Houston, TX (2012)
Glushko-Samuelsom Distinguished Cognitive Scientist Award Lecture, University of California, (2012)
Esther Thelen Memorial Lecture, Feldenkrais Society International Conference—San Mateo, CA (2012)
Invited Presentation, Boston Action Club—Northeastern University, MA (2012)
Society of Experimental Psychologists—Brown University, Providence, RI (2013)
Invited Presentation, 17th International Conference on Perception and Action—Lisbon, Portugal (2013)
Keynote Address, Conference on Affordance—Darmstadt Technical University, Germany (2013)
Society of Experimental Psychologists—UCLA, Westwood, CA (2014)
Invited Address, Korean Society for Sports Science—Seoul National University, Korea (2014)
Plenary Address, Korean Society for Cognitive Science—Seoul National University, Korea (2014)
Plenary Address, 8th International Conference on Quantum Interactions—Filzbach, Switzerland (2014)
Invited Presentations (2), International Conference on Perception and Action—Minneapolis, USA (2015)
Society of Experimental Psychologists—Columbia University, NY, NY (2016)
Invited Presentation, North American Society for Ecological Psychology, Clemson (2016)
Plenary Address, European Workshop on Ecological Psychology, Groningen, Netherlands (2016)
Society of Experimental Psychologists—Vanderbilt University, Nashville, TN (2017)
Invited Presentations (2), 18th International Conference on Perception and Action— Seoul, Korea (2017)
Society of Experimental Psychologists—University of Arizona, Tempe, AZ (2018).