

VITA
David A. Rosenbaum
September 20, 2009

Position And Coordinates

Distinguished Professor of Psychology
Department of Psychology
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Background And Education

Born October 3, 1952

Central High School, Philadelphia, PA, June 1970

Swarthmore College, Swarthmore, PA, B.A., Psychology, May 1973

Stanford University, Stanford, CA, Ph.D., Experimental Psychology, August 1977

Professional Positions

Member of Technical Staff, Human Information Processing Research Department
(Saul Sternberg, Head), Bell Laboratories, Murray Hill, NJ, 1977-1981

Assistant Professor, 1981-1984, Associate Professor, 1984-1987, Hampshire College, Amherst, MA

Visiting Scientist, Center for Cognitive Science, Massachusetts Institute of Technology, Cambridge, MA, 1984-1985

Adjunct Associate Professor, 1985-1987, Associate Professor, 1987-1989, Professor, 1989-1994, Department of Psychology, University of Massachusetts, Amherst, MA

Fellow, Netherlands Institute for Advanced Study in the Humanities and Social Sciences, Wassenaar, The Netherlands, 1989-1990

Member, Neuroscience and Behavior Program, University of Massachusetts, Amherst, 1989-1994

Professor, 1994–2000, Distinguished Professor, 2000 - , Department of Psychology, Pennsylvania State University, University Park, PA

Adjunct Scientist, Moss Rehabilitation Research Institute, MossRehab Hospital, Philadelphia, Pennsylvania, 1997 – 2000.

Visiting Professor, Nijmegen Institute For Cognition and Information, University of Nijmegen, Nijmegen, The Netherlands, August 1999 – July 2000.

Visiting Professor, Department of Psychology, University of Leiden, Leiden, The Netherlands, February – June 2000.

Editor, Journal of Experimental Psychology: Human Perception and Performance, 1999-2004 (for the 2000-2005 volumes)

Faculty, Neuroscience Option, Integrative Biosciences Graduate Program, Penn State, 2003 –

Virtual Faculty member of the Cognitive Interaction Technology (CIT) research cluster, University of Bielefeld, Bielefeld, Germany, 2007 –

Research Interests

General: Cognitive neuroscience, computer simulation, experimental psychology, human perception, cognition, and performance

Specific: Human motor control, perceptual-motor integration, timing, organization of personal space.

Honors

Elected to Phi Beta Kappa, 1973

First publication selected for reprinting in a Random House volume on Alterations in awareness and human potentialities (Selection panel included Theodore X. Barber, Robert Ornstein, Jerome L. Singer, Charles Tart.)

National Science Foundation Graduate Fellowship, 1973-1976

Stanford University Special Research Fund, 1976

Stanford University Graduate Fellowship, 1976-1977

Elected Fellow, American Association For The Advancement of Science, 1987

Elected Fellow, American Psychological Society, 1991

Mortar Board Honor Society Teaching Award, University of Massachusetts, 1992

Short-listed, Editor, Journal of Experimental Psychology: Human Perception and Performance, 1992

Elected Member, Executive Committee of the International Association for the Study of Attention and Performance, 1992

Short-listed, Editor, Journal of Experimental Psychology: Learning, Memory, and Cognition, 1994

Invited to become Executive Editor of Journal of Motor Behavior, September, 1996 (Invitation declined)

Pennsylvania State University College of the Liberal Arts Distinction in the Social Sciences Award, 1996

Elected Editor, Journal of Experimental Psychology: Human Perception and Performance, June, 1998. (Term of office: 1999-2004)

Elected Treasurer, International Association for the Study of Attention and Performance, July, 1998. (Term of office: 1998-2004)

Promoted to Distinguished Professor of Psychology, Pennsylvania State University, May 2000.

Short-listed, Editor, Psychological Review, January 2003.

Elected Fellow, American Psychological Association, 2004

Elected Fellow, Society of Experimental Psychologists, 2005

Nominated for Penn State University Excellence in Advising Award, 2004 and 2005

Cattell Fellowship Alternate (2006)

Psi Chi Outstanding Professor Award, Department of Psychology, Penn State, 2006

Rockefeller Foundation invited guest, Study and Conference Center, Bellagio, Italy, February 2007.

Alpha Chi Sigma Professional Chemistry Fraternity Professor Award, 2008.

Extramurally Funded Grants

National Science Foundation grant BNS-8120104: Cognitive Control of Rapid Movement Sequences, 1982-1984, \$79,752

National Science Foundation grant BNS-84-08634: Cognitive Control of Rapid Movement Sequences (continuation), 1984-1987, \$145,104

Research Career Development Award 1K04 NS00942, National Institute of Health, Release from teaching, 1985-1990, \$267,430

National Science Foundation grant BNS-87-10933: Cognitive Control of Movement Sequences (continuation), 1987-1990, \$124,998

National Science Foundation Research Opportunity Award: Development of a Grammar of Action (with Jonathan Vaughan, Hamilton College), 1987-1988, \$10,053

National Institute of Child Health and Human Development Small Instrumentation Program: WATSMART Motion Digitizing System (with Rachel Clifton, PI) 1988-1989, \$49,000

National Science Foundation Research Opportunity Award: Elaboration of a Grammar of Action (with Jonathan Vaughan, Hamilton College), 1989-1990, \$10,053

National Science Foundation grant BNS 90-08665: Cognitive Control of Movement Sequences (continuation), 1990-1993, \$209,810

Research Scientist Development Award, National Institute of Mental Health KO2 MH00977-01A1, Release from teaching, September 30, 1992-September 29, 1997, \$393,609 (interrupted August 31, 1994 due to move to Penn State; competitive renewal application funded, 1995-1998)

National Science Foundation grant DBS 93-08671/SBR-9496290: Cognitive Control of Movement Sequences (continuation), 1993-1998, \$229,836.

National Institutes of Health, Organization Of A Simple Synergy (Professor Mark Latash, PI; DAR just one of several co-PIs), 1997-1999, \$379,332.

National Institutes of Health grant 1 R15 NS41887-01: A Posture-Based Model of Three-Dimensional Movement Planning (Professor Jonathan Vaughan, Hamilton College, PI; DAR consultant), 2001-2004, \$100,000.

Intramurally Funded Grants

Mellon Grant, Hampshire College, Summer 1982, \$1,000

Charles A. Dana Faculty Development Grant, Hampshire College, Summer 1984, \$1,200

Computerized Motion Digitization, BRSG grant, University of Massachusetts (Amherst), 1989-1990, \$4,981

Motor Control and Sign Language, Faculty Research Grant, University of Massachusetts (Amherst), December 1992-December 1993, \$4,389

Cognitive Speakers Series, Research and Graduate Studies Office (RGSO) grant, Pennsylvania State University, 1995-1996, \$5,000

Continuous Behavioral Measurement of Mental Activity, RGSO grant, Pennsylvania State University, 1996-1997, \$6,000

Rhythm and Reaction Time, RGSO grant, Pennsylvania State University, 1997-1998, \$7,000

Effort In Recovery of Motor Function, Moss Rehabilitation Research Institute, MossRehab Hospital, Philadelphia, Pennsylvania, 1997-1999, \$6,700.

Research Support during Editorship of JEP:HPP, RGSO grant, Pennsylvania State University, 2000-2005, \$50,000

Systems Neuroscience Initiative. RGSO grant, Pennsylvania State University, 2002–2003, \$6,000

A New Source of Data For Cognitive Psychology: The Organization of External Space. RGSO grant, Pennsylvania State University, 2003–2004, \$2,000

Development Of A New Method To Measure Preferred Speeds Of Manual Positioning Movements. Children, Youth, and Families Consortium, Pennsylvania State University, June 2005-May 2006, \$4,600

Control of Manual Positioning Sequences in Stroke Patients and Healthy Controls. Penn State Social Science Research Institute, September 1, 2006 – August 31, 2008, \$20,000.

Somatosensory Stimulation for the Alleviation of Craving to Smoke: A Pilot Study. Penn State Social Science Research Institute, May 15, 2009 – May 14, 2010, \$5,000. Stephen Wilson, Lead Investigator; David Rosenbaum, Collaborating investigator.

Cognitive Psychology and Kinesiology Collaboration on the Psychophysical Costs of Handedness. Penn State Social Science Research Institute, June 17, 2009 – June 16, 2010, \$3,500, D. A. Rosenbaum, Lead investigator, Chase Coelho & Robert Sainburg, Collaborating investigators.

Inauguration Day for the Penn State Center for Motor Control. Penn State Social Science Research Institute, May 15, 2009 – May 14, 2010, \$10,000. Robert Sainburg, Lead Investigator; David Rosenbaum, Collaborating investigator.

Extramural Service (Main Service Only)

Ad hoc reviews, Academic Press, Allyn & Bacon Publishers, Applied Cognitive Psychology, Attention and Performance VIII, IX, XII, XIV, XVI, Behavioral and Brain Sciences, Cambridge University Press, Child Development, Cognition, Cognition and Emotion, Current Biology, Developmental Science, Experimental Aging Research, Experimental Brain Research, Journal of Child Psychology and Psychiatry, Journal of Experimental Child Psychology, Journal of Experimental Psychology (JEP): Applied, JEP: General, JEP: Human Learning and Memory, Journal of Memory and Language, Journal of Neurophysiology, Journal of Neuroscience, Journal of Verbal Learning and Verbal Behavior, Machine Learning, Memory, MIT/Bradford Press, Motor Control, NeuroImage, Neuropsychologia, Oxford Uni-

versity Press, Pacific Sociological Review, Perception & Psychophysics, Perceptual and Motor Skills, Psychological Bulletin, Psychonomic Bulletin & Review, Psychological Review, Psychological Science, Psychology and Aging, Psychology Press, Quarterly Journal of Experimental Psychology, Review of General Psychology, Sinauer Associates, Science, Springer-Verlag, Theory & Psychology, Trends in Cognitive Science, Vision Research.

Advisory Panel, Program in Human Cognition and Perception, National Science Foundation, 1990-1993.

Chair, APA Early Career Award Committee in the Area of Perception/ Motor Performance, 2004.

Co-Founder, New England Sequencing and Timing (NEST) and organizer of its first four annual meetings, held in Amherst, Massachusetts, 1991-1994. (Led to publication of MIT Press 1998 book co-edited with C. Collyer). NEST continues to meet on a yearly basis, thanks to Bruno Repp, Haskins Laboratories, New Haven, CT.

Conference co-organizer, International Conference on Sequencing and Timing of Movement, June 12-14, 1989, Wassenaar, The Netherlands (with A. Thomassen and P. Wieringen, led to publication of a co-edited volume which appeared as a book and a special issue of the journal Human Movement Science, 1992)

Conference co-organizer, International Conference on Bernstein's Traditions in Motor Control, 1996 and 1999 (Mark Latash main organizer of both conferences)

Conference co-organizer, International Workshop on Computational Handwriting Models, June 28-30, 2000, Nijmegen, The Netherlands (Ruud Meulenbroek, main organizer).

Conference co-organizer, Progress in Motor Control V. August 17-20, 2005, University Park, PA (Dagmar Sternad, main organizer).

Consultant, Department of Neurology (Brain Imaging Section), Washington University School of Medicine (September, 1997).

Consulting Editor, Journal of Experimental Psychology: Human Perception and Performance (1985-1999), Journal of Experimental Psychology: Learning, Memory, and Cognition (1989-1991), Memory & Cognition (1985-1992).

Council of Editors, American Psychological Association, 2000-2005.

Editor, *Journal of Experimental Psychology: Human Perception and Performance*, 1999–2004 (volumes appeared in 2000-2005).

Editorial Board Member, *Acta Psychologica* (1983-1986), *Journal of Motor Behavior* (1981-1999), *Motor Control* (1996-1999), *Psychological Research* (1988-)

Editor Selection Committee for *Journal of Experimental Psychology: Human Perception and Performance*, 2009-2010

Endorser for Emerald Publishing Group (Simon Grondin, Ed., 2008. *Psychology of Time*), Oxford University Press (Knoblich, G., Thornton, I. M., Grosjean, M., & Shiffrar, M. (2006). *Human Body Perception From The Inside Out*)

Executive Committee member, International Association for the Study of Attention and Performance, 1992-2000.

Expert witness, *Gilligan vs. HON Industries, Inc.*, February-March, 2001.

Grant proposal reviewer, Air Force Office of Scientific Research, Australian Research Council, Belgian National Science Foundation, National Institutes of Health, Dutch National Science Foundation (NWO), National Institute of Mental Health (Special Review Committee Member, and Ad Hoc reviewer), International National Science Foundation, Michigan Center for Advancing Safe Transportation throughout the Lifespan, National Science Foundation, NATO Scientific Affairs Division, Natural Sciences and Engineering Research Council of Canada.

International dissertation defense committee member, Peter Beek, Free University, Amsterdam, Netherlands, 1990; Bert Steenbergen, University of Nijmegen, Nijmegen, Netherlands, 2000; Inge ten Scheggert, Twente University, Netherlands, 2009.

Invited participant, First Annual Science Leadership Conference, American Psychological Association, Washington, DC, December 2-4, 2005.

Invited participant, Second Annual Science Leadership Conference, American Psychological Association, Washington, DC, December 1-2, 2006.

Organizer, International Workshop on Posture-Based Motion Planning, Penn State University, March 3-7, 2003.

Organizer, Second International Workshop on Posture-Based Motion Planning, Penn State University, April 4-6, 2005.

Representative of Psychology to members of U. S. Congress at exhibit organized by Coalition for National Science Funding, Washington, D. C., March 19, 1996.
Event reported in Psychological Science Agenda (p. 1), American Psychological Association, May/June 1996, and APA Monitor, May, 1996, p. 26.

Scientific Advisory Board, Max Planck Institute for Psychological Research, Munich/Leipzig Germany, 2001 –

Scientific Advisory Board, European Union Project on Joint Action Science and Technology, 2005 –

Search committee for Editor, Behavior Research Methods, 2008

Special action editor, Journal of Experimental Psychology: Learning, Memory, and Cognition, 2006.

Symposium organizer: Contrasting Perspectives on Movement Control, Eighth Annual Meeting of the Cognitive Science Society, Amherst, MA, August 1986.

Symposium organizer: Motor Behavior, Nineteenth Annual Meeting of the Cognitive Science Society, Stanford, CA, August 1997.

Treasurer, International Association for the Study of Attention and Performance, 1998 - 2004.

Intramural Service (Main Service Only)

Advisory Board member, Penn State University Paterno Liberal Arts Fellows Program (2008 -)

Center for Motor Control organizing committee, 2009 -

Co-Director, Five-College Cognitive Science Program, Amherst (1987-1989).

College Promotion and Tenure Committee, College of the Liberal Arts, Penn State University, 2001-2003.

College Strategic Planning Committee, Penn State University, 1996.

Coordinator, Cognitive, Sensory, Motor Focus Group of the Neurosciences, Penn State University, 2001.

Coordinator, Cognitive Area, Department of Psychology, Penn State University, 2003 - 2004.

Department Colloquium Committee Chair, Penn State University, 1995-1999.

Department Promotion and Tenure Committee, Psychology Department, Penn State University, 1996 – 2005; 2007 – 2010.

Department Search Committees, Psychology Department, Penn State University, 1997-1999, 2002-2003.

Department Space Committee Chair, Psychology Department, Penn State University, 2001 - .

Faculty Coordinator, College of the Liberal Arts, Weiss Scholars Program, 1997-1999.

Founder and organizer, Massachusetts Action Group (1992) (Interdisciplinary group that met once a month in Amherst).

Honors Advisor, Psychology Department, Penn State University, 1995-1998, 2005-2007.

Honors Coordinator, Psychology Department, Penn State University, 2007 - .

Individual Conflict of Interest Committee, Office of Research Protection, Penn State University, 2004 - 2009.

Organizer, Distinguished Cognitive Speakers Series, Penn State University, 1995-1996 academic year (Sponsored by the Research and Graduate Studies Office, College Of Liberal Arts, Penn State University, Speakers were J. Duncan, MRC Applied Psychology Unit; R. Klatzky, Carnegie-Mellon University; E. Smith, University of Michigan; E. Thelen, Indiana University; C. Wickens, University of Illinois)

Panelist, Staying in the academic pipeline: Growing professionally in an economic drought. Women in Cognitive Science (WICS) meeting, Boston, MA, November 18, 2009.

Search committee member for Director of the Huck Institute of the Life Sciences, Penn State University, 2005-2006.

Smart Spaces Committee, Penn State University, 2007 – (university wide committee to create a research agenda for research on better living and work places for aging Americans)

Undergraduate Education Committee, Department of Psychology, Penn State University, 2007 -

Workshop organizer, Getting a Job in Psychology. Offered in 1988, 1990, and 1992 at UMass and in 1996, 1998, 2000, 2002, 2004, 2006, and 2008 at Penn State. (Penn State workshops co-organized with Professor Susan Mohammed and also, in 2006 and 2008 Professor Cynthia Huang-Pollock)

Professional Affiliations

American Association for the Advancement of Science (Fellow)

American Psychological Association (Fellow)

American Psychological Society (Fellow)

Human Factors Society

International Society for Ecological Psychology

International Society of Motor Control

New York Academy of Sciences

North American Society for the Psychology of Sport and Physical Activity

Psychonomic Society

Society for Neuroscience

Society of Experimental Psychologists (Fellow)

Women in Cognitive Science (WICS)

Courses And Seminars Taught (Penn State Only)

Action (PSY 497, Spring 1998, Spring 2002)

Advanced Cognitive Psychology (PSY 421, Fall 1995)

Advanced Research Methods in Psychology (PSY 401, Fall 1995)

Cognitive Control of Action (PSY 597, Spring 1995, Spring 1997, Fall 1998, Spring 2001, Spring 2003, Spring 2005)

Engineering Psychology (PSY 432, Fall 1998)

Introduction to Cognitive Psychology (PSY 221/256, Fall 1996, Spring 1999, Fall 2000, Fall 2001, Fall 2002, Fall 2004, Fall 2005, Fall 2007, Fall 2008, Fall 2009)

MATLAB For Behavioral Scientists: (PSY 525, Spring 2004, Spring 2006, Spring 2008)

Modeling Cognitive Processes (PSY 597, Fall 1995)

Rhythm and Timing (PSY 597, Fall 1997)

The Mind in Motion/Motor Control (PSY 525, Spring 2007, Spring 2009)

Awards To Students

Sarah Benjamin, Undergraduate: Mona Shibley Bird Memorial Scholarship in Psychology, \$680, December 2002.

Liana Brown, PhD student: Life Sciences Consortium Scholarship, 1999-2000, Life Sciences Consortium, Pennsylvania State University, \$16,000 plus tuition.

Liana Brown, PhD student: Huygens Scholarship, Netherlands Organization for International Cooperation in Higher Education, 2000, \$5,000. Support to visit the Nijmegen Institute For Cognition and Information, University of Nijmegen, January – April.

Liana Brown, PhD student: Travel award, \$900, for Annual Meeting of The Society for the Neural Control of Movement, Naples, FL, April 2002.

Liana Brown, PhD student: Travel award, \$600, for Annual Meeting of The Society for Neuroscience, Orlando, FL, November, 2002.

Liana Brown, PhD student: 2002-2003 Liberal Arts Graduate Student Award for Excellence in Research (Award to one student per academic year in the Penn State College of Liberal Arts).

Chase Coelho, PhD student, 2008 - . NSF Graduate Fellowship Application Incentive Award, Penn State University.

Rajal Cohen, PhD student, 2002-2006, University Graduate Fellowship, Penn State University.

Rajal Cohen, PhD student, Penn State University College of Liberal Arts Dissertation Support Grant, \$4000, 2007.

Amanda Dawson, PhD student, 2006 Penn State University Alumni Association Dissertation Award in Applied and Basic Social Sciences, \$5,000, December 2005.

Mark Gregware, Undergraduate, Harold L. Hinman Memorial Scholarship, \$1,000, December 2001.

Steven Jax, PhD student: NIH Predoctoral National Research Service Award (1 F31 NS 047784-01): Sequential Effects in Obstacle Avoidance, December 2003-2004, \$23,937.

Jackie Shin, PhD student: AFOSR Summer Research: Arithmetic effects on aiming performance in coordination: Sequential positions effects; June 27, 1996-September 30, 1997, \$9,536. Support for research related to doctoral dissertation carried out at Brooks Air Force Base, San Antonio, TX.

Jackie Shin, PhD student: AFOSR Summer Research Extension (AFOSR Contract Number F49620-93-C-0063): Coordination of cognitive and perceptual-motor activities; 1997, \$24,939. Support for doctoral dissertation research.

Jennifer Swinney, Undergraduate: Pennsylvania Psychological Association Outstanding Undergraduate Research Award, 1996: The psychology of eating disorders. Independent study project.

Robrecht van der Wel, Outstanding Publication by a Psychology Graduate Student Award, Penn State Psychology Department, 2009 (for van der Wel et al., JEP:HPP, 2007)

Matthew Walsh, Undergraduate: Mona Shibley Bird Memorial Scholarship, \$600, December 2005.

Matthew Walsh, Undergraduate: Penn State President's Fund For Research, \$1000, December 2006.

Graduate And Post-Doctoral Students Supervised

Jason Augustyn (PhD 2004)

Heather Jane Barnes (Masters 1990; Ph.D 1992)

Liana Brown (PhD 2003)

Chase Coelho (Current Masters-PhD student)

Rajal Cohen (PhD 2008)

Amanda Dawson (PhD 2006)

Robert Dufour (Postdoc 1992-1994)

Jeffrey Eder (Current PhD student)

Sascha Engelbrecht (Masters 1994)

Catherine Elsinger (PhD 2000)

Martin Fischer (Masters 1991)

Scott Glover (Post-doc 2001-2002)

Carolyn Harp (Masters 1997)

Steven Jax (PhD 2005)

Lyn Lagasse (Post-doc 1990-1992)

Loukia Loukopoulos (Masters 1994)

Esa Rantanen (PhD, 1999)

Joseph Santamaria (current Masters-PhD student)

Jackie Shin (PhD 1997)

James Slotta (Masters 1990)

Robrecht van der Vel (PhD, 2009)

Interns Hosted

Rinus Aarts (1995-1996 academic year, from University of Nijmegen, Netherlands)

Annemerle Beerthuizen (Spring 2001, from University of Maastricht, Netherlands)

Leslie Christman (Summer 2006, from Juniata College)

Sascha Engelbrecht (1991-1992 academic year, from University of Marburg, Germany)

Frouke Hermens (Fall 2003, from University of Nijmegen, Netherlands under the auspices of a Fulbright Fellowship)

Sophie Jacobs (Spring 2004, from University of Maastricht, Netherlands)

Marc de Lussanet (November-December 1995, from Agricultural University of Wageningen, Netherlands)

Chris Jansen (1994-1995 academic year, from University of Nijmegen, Netherlands)

Jewels Rhode (Summer 2009, Summer Research Opportunity Program, from Smith College)

Joerg Sangals (1989-1990 academic year, from University of Marburg, Germany)

Andrei Semenov (August 2008- May 2009, from Atlanta, Georgia. PhD student in Cognitive Psychology, Purdue University, August 2009 -)

Femke van der Linden (Spring 2001, from University of Maastricht, Netherlands)

Robrecht van der Wel (Spring 2003, from University of Maastricht, Netherlands)

Carolyn van Heugten (1990-1991 academic year, from University of Leiden, Netherlands)

Sabbatical Visitors Hosted

Horst Krist (1991-1992, From Johann Wolfgang Goethe Universität, Frankfurt am Main, Germany)

Jonathan Vaughan (1987-1988, From Hamilton College)

Howard N. Zelaznik (Fall 1988, From Purdue University)

Theses

Causal organization in memory. First year project (Master's thesis equivalent). Stanford University, 1974.

Processes of human movement initiation. Unpublished doctoral dissertation, Stanford University (Gordon H. Bower, Thesis advisor), 1977.

Books

Stillings, N. A., Feinstein, M. H., Garfield, J. L., Rissland, E. L., Rosenbaum, D. A., Weisler, S. E., & Baker-Ward, L. (1987). *Cognitive Science: An Introduction*. Cambridge, MA: Bradford/MIT Press. [Translated into Japanese, June 1990, by Shinyosha Ltd., Tokyo.]

Rosenbaum, D. A. (1991). *Human Motor Control*. San Diego, CA: Academic Press.

Thomassen, A., Rosenbaum, D. A., & P. Wieringen (Eds.). (1992). *Sequencing And Timing Of Human Movement*. Amsterdam: North-Holland.

Rosenbaum, D. A. & Collyer, C. E. (Eds.). (1998). *Timing Of Behavior: Neural, Psychological, And Computational Perspectives*. Cambridge, MA: MIT Press.

Rosenbaum, D. A. (2007). *MATLAB For Behavioral Scientists*. Mahwah, NJ: Lawrence Erlbaum Associates.

Rosenbaum, D. A. (2010). *Human Motor Control (Second Edition)*. San Diego, CA: Academic Press/ Elsevier.

Rosenbaum, D. A.. (In preparation). It's a jungle in there: How competition and cooperation in the brain underlie cognition, perception, and action.

Journal Articles

Rosenbaum, D. A. (1972). The theory of cognitive residues: A new view of fantasy. *Psychological Review*, 79, 471-486.

Rosenbaum, D. A. (1974). Rule use in character classification. *Memory & Cognition*, 2, 249-254.

- Rosenbaum, D. A. (1975). Perception and extrapolation of velocity and acceleration. *Journal of Experimental Psychology: Human Perception and Performance*, 1, 395-403.
- Rosenbaum, D. A. (1977). Selective adaptation of "command neurons" in the human motor system. *Neuropsychologia*, 15, 81-91.
- Rosenbaum, D. A., & Radford, M. (1977). Sensory feedback does not cause selective adaptation of human "command neurons." *Perceptual and Motor Skills*, 44, 447-451.
- Rosenbaum, D. A. (1978). Command neurons and effects of movement contexts. *Behavioral and Brain Sciences*, 1, 32-33.
- Rosenbaum, D. A. (1979). Moving toward movement: Review of G. E. Stelmach (Ed.), "Information processing in motor control and learning." *Contemporary Psychology*, 24, 692-693.
- Rosenbaum, D. A. (1980). Human movement initiation: Specification of arm, direction, and extent. *Journal of Experimental Psychology: General*, 109, 444-474.
- Rosenbaum, D. A., & Kornblum, S. (1982). A priming method for investigating the selection of motor responses. *Acta Psychologica*, 51, 223-243.
- Rosenbaum, D. A. (1983). Central control of movement timing. *The Bell System Technical Journal*, 62, 1647-1657.
- Rosenbaum, D. A. (1983). Hierarchical versus nonhierarchical control of rapid movement sequences: A reply to Klein. *Journal of Experimental Psychology: Human Perception and Performance*, 9, 837-839.
- Rosenbaum, D. A., Kenny, S., & Derr, M. A. (1983). Hierarchical control of rapid movement sequences. *Journal of Experimental Psychology: Human Perception and Performance*, 9, 86-102.
- Gordon, A. M., & Rosenbaum, D. A. (1984). Conscious and subconscious arm movements: Application of signal detection theory to motor control. *Bulletin of the Psychonomic Society*, 22, 214-216.
- Inhoff, A. W., Rosenbaum, D. A., Gordon, A. M., & Campbell, J. A. (1984). Stimulus-response compatibility and motor programming of manual response sequences. *Journal of Experimental Psychology: Human Perception and Performance*, 10, 724-733.

- Rosenbaum, D. A. (1984). It's not just what you say. Review of "The production of speech" (P. F. MacNeilage, Ed). *Contemporary Psychology*, 29, 216-217.
- Rosenbaum, D. A., Inhoff, A. W., & Gordon, A. M. (1984). Choosing between movement sequences: A hierarchical editor model. *Journal of Experimental Psychology: General*, 113, 372-393.
- Rosenbaum, D. A., Hindorff, V., & Munro, E. M. (1986). Programming of rapid finger sequences. *Experimental Brain Research*, 15, 64-71.
- Rosenbaum, D. A., Weber, R. J., Hazelett, W. M., & Hindorff, V. (1986). The parameter remapping effect in human performance: Evidence from tongue twisters and finger fumblers. *Journal of Memory and Language*, 25, 710-725.
- Rosenbaum, D. A. (1987). Successive approximations to a model of human motor programming. *Psychology of Learning and Motivation*, 21, 153-182.
- Rosenbaum, D. A., Gordon, A. M., Stillings, N. A., & Feinstein, M. H. (1987). Stimulus-response compatibility in the programming of speech. *Memory & Cognition*, 15, 217-224.
- Rosenbaum, D.A., Hindorff, V., & Munro, E. (1987). Scheduling and programming of rapid finger sequences: Tests and elaborations of the hierarchical editor model. *Journal of Experimental Psychology: Human Perception and Performance*, 13, 193-203.
- Rosenbaum, D. A., Barnes, H. J., & Slotta, J. D. (1988). In defense of the advance specification hypothesis for motor control. *Psychological Research/Psychologische Forschung*, 50, 58-62.
- Barnes, H. J., Vaughan, J., Jorgensen, M. J., & Rosenbaum, D. A. (1989). A low-cost method for recording videotaped continuous movements with the Macintosh. *Behavior Research Methods, Instruments, and Computers*, 21, 255-258.
- Rosenbaum, D. A. (1990). Choosing between movement sequences: Comments on Rose (1988). *Journal of Experimental Psychology: Human Perception and Performance*, 16, 439-444.
- Rosenbaum, D. A. (1991). Cognitive Science: Technologized Mentalism? Review of D. N. Osherson, S. M. Kosslyn, & J. M. Hollerbach (Eds.). (1990). *Visual Cognition and Action (Volume 2, An Invitation To Cognitive Science)*. Cambridge, MA: MIT Press. *Contemporary Psychology*, 36, 939-940.

- Rosenbaum, D. A., Slotta, J. D., Vaughan, J., & Plamondon, R. J. (1991). Optimal movement selection. *Psychological Science*, 2, 86-91.
- Rosenbaum, D. A. & Jorgensen, M. J. (1992). Planning macroscopic aspects of manual control. *Human Movement Science*, 11, 61-69.
- Rosenbaum, D. A., Vaughan, J., Barnes, H. J., & Jorgensen, M. J. (1992). Time course of movement planning: Selection of hand grips for object manipulation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 18, 1058-1073.
- Meulenbroek, R. G., Rosenbaum, D. A., Thomassen, A. J., & Schomaker, L. R. (1993). Limb-segment selection in drawing behavior. *Quarterly Journal of Experimental Psychology*, 46A (2), 273-299.
- Rosenbaum, D. A., Engelbrecht, S. E., Bushe, M. M., & Loukopoulos, L. D. (1993). A model for reaching control. *Acta Psychologica*, 82, 237-250.
- Rosenbaum, D. A., Engelbrecht, S. E., Bushe, M. M., & Loukopoulos, L. D. (1993). Knowledge model for selecting and producing reaching movements. *Journal of Motor Behavior*, 25, 217-227.
- Summers, J., Rosenbaum, D. A., Burns, B., & Ford, S. (1993). Production of polyrhythms. *Journal of Experimental Psychology: Human Perception and Performance*, 19, 416-428.
- Bushe, M. M., Vaughan, J., & Rosenbaum, D. A. (1994). Pascal external functions for Strawberry Tree's "Analog Connection Workbench." *Behavior Research Methods, Instruments, and Computer*, 26, 461-466.
- Dufour, R., Fischer, M. H., & Rosenbaum, D. A. (1994). Moving beyond imagination. Commentary on "The representing brain: Neural correlates of motor intention and imagery," by M. Jeannerod. *Behavioral and Brain Sciences*, 17 (2), 206-207.
- Rosenbaum, D. A. (1994). Choosing between models of choosing between response sequences: Comments on Shidoji (1992). *Perceptual and Motor Skills*, 78, 723-726.
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Invited Presentations

- Rosenbaum, D. A. (1976). Central events leading to the execution of skilled manual responses. Talk presented to the Memory and Cognition Group. Bolt Beranek and Newman, Cambridge, MA, May 13.
- Rosenbaum, D. A. (1978). The composition of forthcoming actions. Talk presented to the Second Symposium on the Psychophysics of Musical Performance, Montclair State University, Upper Montclair, NJ, May 5.
- Rosenbaum, D. A., & Patashnik, O. (1978). Time to time in the human motor system. Talk presented to the Eighth Symposium on Attention and Performance, Princeton, NJ, August 21.
- Rosenbaum, D. A. (1978). Deciding how to act: The planning of hand movements. Colloquium presented to the Institute for Cognitive Studies, Rutgers University, Newark, NJ, September 25.
- Rosenbaum, D. A. (1978). Planning of aimed hand movements: An information processing analysis. Colloquium presented to the Department of Kinesiology, University of Waterloo, Waterloo, Ontario, October 5.
- Rosenbaum, D. A. (1979). A mental clock-setting process revealed by reaction times. Talk presented to the NATO Advanced Study Institute on Motor Learning and Control, Abbaye de Sénanque, France, June 18.
- Rosenbaum, D. A. (1979). The mental control of movement timing. Colloquium presented to Department of Psychology, Adelphi University, Garden City, NY, October 12.
- Rosenbaum, D. A. (1979). Advance preparation of movement timing. Colloquium presented to Department of Psychology, Pennsylvania State University, University Park, PA, October 30.
- Rosenbaum, D. A. (1979). Probing motor programming with a new reaction time technique. Colloquium presented to Department of Exercise and Movement Science, Pennsylvania State University, University Park, PA, October 31.
- Rosenbaum, D. A. (1980). The structuring of motor programs: Evidence against a hierarchical process. Colloquium presented at Department of Psychology, University of Michigan, Ann Arbor, MI, January 31.

- Rosenbaum, D. A. (1980). Temporal control of finger movements. Colloquium presented at University of Michigan, Ann Arbor, MI, February 1.
- Rosenbaum, D. A. (1980). Some new methods for investigating the preparation of motor programs. Talk presented to the Annual Conference of the Canadian Society for Psychomotor Learning and Sport Psychology. Vancouver, British Columbia, October 24.
- Rosenbaum, D. A. (1982). On the control of movement sequences. Talk presented to the Conference on Cognition and Motor Processes, Center for Interdisciplinary Research, University of Bielefeld, Bielefeld, West Germany, July 12.
- Rosenbaum, D. A. (1982). Choosing between movement sequences. Talk presented to the Conference on Preparatory States and Processes, University of Michigan, Ann Arbor, MI, August 13.
- Rosenbaum, D. A. (1982). Recent studies of human motor control. Talk presented to the First Annual Applied Experimental Psychology Conference, Adelphi University, Garden City, NY, October 29.
- Rosenbaum, D. A. (1982). The Cinderella of psychology: Human movement control. Colloquium presented to the Department of Psychology and Education, Mount Holyoke College, South Hadley, MA, December 1.
- Rosenbaum, D. A. (1984). Let your fingers do the walking: A cognitive analysis. Colloquium presented to the Cognitive Science Program, University of Massachusetts, Amherst, MA, April 12.
- Rosenbaum, D. A. (1984). Programming of rapid finger sequences through hierarchical editing. Talk presented to the Conference on Generation and Modulation of Action Patterns. Center for Interdisciplinary Research, University of Bielefeld, Bielefeld, West Germany, October 22-26.
- Rosenbaum, D. A. (1984). Complex finger movements in motor control. Colloquium presented to the Department of Psychology, Northeastern University, Boston, MA, November 13.
- Rosenbaum, D. A. (1985). Central control of rapid finger sequences. Colloquium presented to the Department of Psychology and Social Relations, Harvard University, Cambridge, MA, March 5.

- Rosenbaum, D. A. (1985). Serial ordering of complex finger sequences. Colloquium presented to the Department of Psychology, Massachusetts Institute of Technology, Cambridge, MA, March 15.
- Rosenbaum, D. A. (1985). To know is not enough: The cognitive control of action. Colloquium presented in the Faculty Colloquium Series, Hampshire College, Amherst, MA, April 16, 1985.
- Rosenbaum, D. A. (1985). The abstract nature of human motor control. Colloquium presented to the Department of Linguistics and Philosophy, Massachusetts Institute of Technology, Cambridge, MA, April 10.
- Rosenbaum, D. A. (1985). Mental control of movement. Colloquium presented to the Department of Occupational Therapy, Spaulding Rehabilitation Hospital, Boston, MA, April 24.
- Rosenbaum, D. A. (1985). Cognitive psychological studies of human motor programming. Featured address to the Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity, Gulf Port, MS, May 26.
- Rosenbaum, D. A. (1985). Cognitive control of voluntary movements. Grand Rounds, Spaulding Rehabilitation Hospital, Boston, MA, June 7.
- Rosenbaum, D. A. (1985). Cognitive analyses of human motor programming. Colloquium presented to the Department of Psychology, Brandeis University, Waltham, MA, October 2.
- Rosenbaum, D. A. (1986). Studies of human motor programming. Colloquium presented to the Department of Psychology, University of Maryland, College Park, MD, March 3.
- Rosenbaum, D. A. (1986). Movement and mind. Colloquium presented to the Department of Psychology, University of New Hampshire, Durham, NH, November 18.
- Rosenbaum, D. A. (1986). Movement and cognition. Colloquium presented to the Department of Psychology, University of Massachusetts, Amherst, MA, December 1.
- Rosenbaum, D. A. (1986). Action knowledge. Colloquium presented to the Department of Physics, University of Massachusetts, Amherst, MA, December 3.

- Rosenbaum, D. A. (1987). Cognitive psychology and movement control: Similarities between verbal and motor recall. Talk presented to the Soviet-American Bilateral Exchange Conference on Motor Control, Moscow, U.S.S.R., March 22-April 1.
- Rosenbaum, D. A. (1987). Links between cognitive psychology and motor control. Talk presented to the Fourth International Conference on Cognitive Neurosciences, Dourdan, France, June 14-19.
- Rosenbaum, D. A. (1987). Memorial structure and retrieval of motor programs. Talk presented to the Second International Conference on Practical Aspects of Memory, Swansea, Wales, August 2-8.
- Rosenbaum, D. A. (1988). Serial ordering of behavior. Colloquium presented to the Department of Psychology, Hamilton College, Clinton, NY, April 28.
- Rosenbaum, D. A. & Vaughan, J. (1988). Minimal constraints for action selection. Paper presented to Attention and Performance XIII, Arc-en-Senans, France, June 27-July 1.
- Rosenbaum, D. A. (1989). Principles of manual action selection. Colloquium presented to the Department of Psychology, Johns Hopkins University, Baltimore, MD, February 1.
- Rosenbaum, D. A. (1989). Strategies for object manipulation. Colloquium presented to the Department of Exercise Science, University of Massachusetts, Amherst, Massachusetts, February 23.
- Rosenbaum, D. A. (1989). Macroscopic decisions for object manipulation. Colloquium presented to the Department of Psychology, Purdue University, West Lafayette, IN, February 28.
- Rosenbaum, D. A. (1989). Decision-making and object manipulation. Colloquium presented to the Department of Psychology, University of Leuven, Leuven, Belgium, March 15.
- Rosenbaum, D. A. (1989). Decision-making and keyboard performance. Colloquium presented to the Department of Psychology, University of Leuven, Leuven, Belgium, March 16.
- Rosenbaum, D. A. (1989). Planning of object manipulation Colloquium presented to the Department of Psychology, Columbia University, New York, NY, April 3.

- Rosenbaum, D. A. (1989). Preliminaries to a grammar of action. Colloquium presented to the Department of Psychology, Nijmegen University, Nijmegen, The Netherlands, September 27.
- Rosenbaum, D. A. (1989). The planning of manual actions. Colloquium presented to the Department of Psychology, der Philipps Univesität, Marburg, West Germany, November 30.
- Rosenbaum, D. A. (1989). Doing what comes naturally. Talk presented to the Symposium on the Origins of Temporal Order in Motor Coordination, Free University, Amsterdam, The Netherlands, November 24.
- Rosenbaum, D. A. (1989). On the selection of physical action. Keynote address presented to the Annual Meeting of the Dutch Psychonomic Society, Noordwijkerhout, The Netherlands, December 18.
- Rosenbaum, D. A. (1990). Will robots fold laundry by the year 2000? Fellow's Lecture to the Netherlands Institute for Advanced Study, Wassenaar, The Netherlands, January 18.
- Rosenbaum, D. A. (1990). Selecting physical actions: Biomechanical, perceptual, and computational efficiency. Colloquium presented to the Department of Psychology, University of Aachen, Aachen, West Germany, February 8.
- Rosenbaum, D. A. (1990). Toward a grammar of action: A rule of thumb for hand rotations. Colloquium presented to the Department of Psychology, Leiden University, Leiden, The Netherlands, February 19.
- Rosenbaum, D. A. (1990). A preferred-movement model of physical action selection. Talk presented to the Eastern Motor Group, Cambridge, England, March 15.
- Rosenbaum, D. A. (1990). Plans for object manipulation. Colloquium presented to the Department of Psychology, Cambridge University, Cambridge, England, March 16.
- Rosenbaum, D. A. (1990). Decision-making for physical tasks. Colloquium presented to the Department of Psychology, Free University, Amsterdam, The Netherlands, April 6.
- Rosenbaum, D. A. (1990). The constraint approach to human movement selection. Colloquium presented to the Department of Psychology, Gronigen University, Gronigen, The Netherlands, May 29.

- Rosenbaum, D. A. (1990). Planning macroscopic aspects of manual control. Talk presented to the Conference on Sequencing and Timing of Movement, Netherlands Institute For Advanced Study, Wassenaar, The Netherlands, June 11.
- Rosenbaum, D. A. (1990). Plans for object manipulation. Talk presented (in absentia) at Attention and Performance XIV. Ann Arbor, Michigan, July 9-13.
- Rosenbaum, D. A. (1990). Optimal movement selection. Talk presented to the Cognitive Science Program, University of Massachusetts, Amherst, MA, November 1.
- Rosenbaum, D. A. (1991). Movement selection: A rule of thumb for hand rotations. Colloquium presented to the Center for the Ecological Study of Perception and Action, University of Connecticut, Storrs, CN, February 17.
- Rosenbaum, D. A. (1991). Reaching and writing. Talk presented to the Fifth International Graphonomics Society Meeting, Tempe, AZ, October 27.
- Rosenbaum, D. A. (1991). Efficient reaching. Colloquium presented to the Department of Cognitive Science, Brown University, Providence, RI, December 2.
- Rosenbaum, D. A. (1991). Motor control: Current modelling. Colloquium presented to the Department of Industrial Engineering, The Technion, Haifa, Israel, December 16.
- Rosenbaum, D. A. (1992). A model of reaching control. Colloquium presented to the Department of Cognitive Science, University of Pennsylvania, Philadelphia, PA, February 14.
- Rosenbaum, D. A. (1992). Putting thought into action. Colloquium presented to the Department of Psychology Class of 1960's Scholars Speakers Series, Williams College, Williamstown, MA, March 5.
- Rosenbaum, D. A. (1992). Cognitive control of reaching. Colloquium presented to the Department of Psychology, New York University, New York, NY, March 12.
- Rosenbaum, D. A. (1993). Plans for reaching. Colloquium presented to the Max Planck Institut, Munich, Germany, January 11.
- Rosenbaum, D. A. (1993). Distributed planning for reaching behavior. Colloquium presented to the Institut fur Arbeitsphysiologie, Universitat Dortmund, Dortmund, Germany, January 12.

- Rosenbaum, D. A. (1993). Adventures of INKI. Colloquium presented to the Department of Psychology, Nijmegen University, Nijmegen, The Netherlands, January 20.
- Rosenbaum, D. A. (1993). Reaching for solutions to reaching. Colloquium presented to the Human Movement Faculty, Department of Psychology, Free University, Amsterdam, The Netherlands, January 22.
- Rosenbaum, D. A. (1993). Posture-based planning for movement. Colloquium presented to the Center for Adaptive Systems, Boston University, Boston, MA, March 2.
- Rosenbaum, D. A. (1993). Solving problems with infinitely many solutions: The case of reaching. Colloquium presented to the Department of Psychology, Ohio State University, Columbus, OH, March 16.
- Rosenbaum, D. A. (1993). Cognition with an eye for action. Colloquium presented to the Department of Psychology, Penn State University, State College, PA, December 9.
- Rosenbaum, D. A. (1994). New developments for a theory of motor control. Colloquium presented to the Cognition Department, Max Planck Institut, Munich, Germany, January 12.
- Engelbrecht, S. E. & Rosenbaum, D. A. (1994). A neurocomputational model for optimal path planning. Talk presented to the Cognition Department, Max Planck Institut, Munich, Germany, January 13.
- Rosenbaum, D. A. (1994). Cognitive substrates of reaching. Colloquium presented to the Department of Psychology, University of Tuebingen, Tuebingen, Germany, January 18.
- Rosenbaum, D. A. (1994). Planning reaches. Paper presented to the Workshop on Hand Function (Roland Johansson, Mario Wiesendanger, & Alan Wing, Organizers), Ascona, Switzerland, March 21-25.
- Rosenbaum, D. A. (1994). Integration of extrinsic space and motor space. Talk presented at Attention and Performance XVI: Information integration (Toshio Inui & J. L. McClelland, Co-Organizers). Kyoto, Japan, July 11-15.
- Rosenbaum, D. A. (1994). Posture-based planning of reaches. Talk presented to Bell Laboratories, Murray Hill, NJ, October 28.

- Rosenbaum, D. A. (1994). Movement planning: Reaching, with possible extensions to walking. Talk presented to the Exercise and Sports Science Department, Pennsylvania State University, November 7.
- Rosenbaum, D. A. (1995). Lost in thought no more: From cognition to action. Colloquium presented to Swarthmore College, Swarthmore, PA, February 17.
- Rosenbaum, D. A. (1995). Perceptual-motor skills research in the 1990's: From key-presses to complex action planning. Talk presented to the Mini-Conference on Human Perceptual and Motor Abilities. Lackland Air Force Base, Texas, March 8.
- Rosenbaum, D. A. (1995). The planning of movements: Computational and experimental explorations. Talk presented to the John B. Pierce Foundation, New Haven, CT, March 13.
- Rosenbaum, D. A. (1995). A psychologist looks at motor planning. Talk presented to the Department of Pure and Applied Biology, Leeds University, Leeds, England, May 12.
- Rosenbaum, D. A. (1995). Action planning. Colloquium presented to the Nijmegen Institute for Cognition and Information, Nijmegen, Netherlands, May 17.
- Rosenbaum, D. A. (1996). A psychologist looks at motor control. Colloquium presented to the Exercise and Sports Sciences Department, Penn State University, University Park, PA, February 29.
- Rosenbaum, D. A. (1996). A model of the control of reaching. Talk presented to the Penn State Action Club. Penn State University, University Park, PA, March 1.
- Rosenbaum, D. A. (1996). The control of reaching: Behavioral and computational analyses. Colloquium presented to Moss Rehabilitation Research Institute Philadelphia, PA, April 8.
- Rosenbaum, D. A. (1996). Is a general theory of movement within reach? Keynote address presented to the Annual Meeting Of North American Society for the Psychology of Sport and Physical Activity, Canada, June 6-8.
- Rosenbaum, D. A. (1996). Flexible action planning. Colloquium presented to Weitzman Institute, Rehovoth, Israel, July 15.
- Rosenbaum, D. A. (1997). Robotics, rehabilitation, and cognitive psychology: Strange or natural bedfellows? Talk given at Reception For Alumni & Friends of Penn

State University, Longboat Key, FL (February 3), Naples, FL (February 4), University Park, PA (May 30).

Rosenbaum, D. A. (1997). Enacting decisions: A cognitive psychological analysis of motor planning and control. Colloquium presented to the Department of Psychology, Carnegie-Mellon University, Pittsburgh, PA, March 5.

Rosenbaum, D. A. (1997). Putting thought into action. Colloquium presented to the Department of Psychology, Indiana University, Bloomington, IN, March 28.

Rosenbaum, D. A. (1997). Motor control: Issues for cognitive science. Talk presented at the Annual Meeting of the Cognitive Science Society, Stanford, CA, August 7.

Rosenbaum, D. A. (1997). Space-based timing. Talk presented to the Penn State Action Club, Department of Kinesiology, Penn State University, University Park, PA, September 26.

Rosenbaum, D. A. (1997). Movement planning. Colloquium presented to the Department of Kinesiology, University of Waterloo, Waterloo, Ontario, Canada. December 5.

Rosenbaum, D. A. (1998). Control of human reaching. Colloquium presented to the Department of Industrial Engineering, Penn State University, University Park, PA, February 12.

Rosenbaum, D. A. (1998). Is dynamical systems modeling just curve fitting? Talk presented to the Penn State Action Club, Department of Kinesiology, Penn State University, University Park, PA, February 27.

Rosenbaum, D. A. (1998). Broadcast theory of timing. Colloquium presented to the Department of Physics, Penn State University, University Park, PA, March 30.

Rosenbaum, D. A., Meulenbroek, R., Vaughan, J., & Jansen, C. (1998). Coordination of reaching and grasping by capitalizing on obstacle avoidance and other constraints. Talk presented to the Conference on Neural Basis of Hand Dexterity, Ascona, Switzerland, May 3-8, 1998.

Rosenbaum, D. A. (1998). Rhythmicity and latency fluctuations. Talk presented to the Nijmegen Institute for Cognition and Information, Nijmegen, The Netherlands, May 13.

- Rosenbaum, D. A. (1998). Planning of movements. Talk presented to the Human Movement Laboratory, School of Psychology, University of Wales, Bangor, Wales, July 20.
- Rosenbaum, D. A. (1998). Rhythm and reaction time. Talk presented to the Sensory Motor Neuroscience Centre (SyMoN), School of Psychology, University of Birmingham, Birmingham, England, July 21.
- Rosenbaum, D. A. (1999). Timing and reaction time, and a theory of timing. Talk presented at the Conference on Synchronization and Coordination in Human Movement and Timing, University of Potsdam, Germany, October 2.
- Rosenbaum, D. A. & Shin, J. (1999). Studies of timing: Coordination of aiming and arithmetic. Talk presented at the Dutch-Flemish Conference on Movement Control and Coordination, University of Leuven, Belgium, October 7-8.
- Rosenbaum, D. A. (1999). A theory of timing. Colloquium presented to the Nijmegen Institute for Cognition and Information, Nijmegen, Netherlands, November 10.
- Vaughan, J., Rosenbaum, D. A., Meulenbroek, R., & Jansen, C. (1999). Towards an understanding of the execution of actions: Modeling of motor planning in reaching and grasping. Talk presented at the 3rd International Symposium on Cognition, Education, and Mental Health, Banaras Hindu University, December 15-19.
- Rosenbaum, D. A. (2000). Posture-based motion planning: Applications, with reference to reaching and grasping. Talk presented at the International Workshop on Studies and Models of Human Prehension; Contributions to Understanding Grasping Pathology. Werkenrode, Groesbeek, The Netherlands. January 13.
- Rosenbaum, D. A. & Brown, L. E. (2000). Studies of motor planning and timing. Colloquium presented to the Max Planck Institute for Psychological Research, Munich, Germany, March 2.
- Rosenbaum, D. A. (2000). Time, space, and short term memory: Producing and perceiving timed events. Colloquium presented to the Department of Psychology, University of Maastricht, The Netherlands, March 31.
- Rosenbaum, D. A. (2000). Research on the control of movement. Colloquium presented to the Department of Psychology, Université de la Méditerranée, Marseille, France, April 6.

- Rosenbaum, D. A. & Brown, L. E. (2000). Current research at Penn State's Laboratory For Cognition and Action. Colloquium presented to the Department of Physiology, Erasmus Universiteit, Rotterdam, The Netherlands, April 13.
- Vaughan, J., Rosenbaum, D. A., and Meulenbroek, R. G. J. (2000). A posture-based model of reaching around obstacles: Passing the salt without spilling your milk. Colloquium presented to the Institute for Sensory Research, Syracuse University, April 18.
- Rosenbaum, D. A. (2000). Is there anything interesting about perceptual-motor control for psychologists? Colloquium presented to the Department of Psychology, University of Leiden, Leiden, The Netherlands, April 26.
- Rosenbaum, D. A. (2000). Posture-based motion planning: Motor equivalence in handwriting. Talk presented at the International Workshop on Computational Handwriting Models, University of Nijmegen Nijmegen, The Netherlands, June 28-30.
- Rosenbaum, D. A. (2000). Two hypotheses for motor control: Goal postures and via postures. Talk presented to the Penn State Action Club, Department of Kinesiology, Penn State University, October 13.
- Rosenbaum, D. A. (2000). From mind to movement. Colloquium presented to the Centro di Bioingegneria e Scienze Motorie, Università di Brescia-Trento-Verona, Italy, November 29.
- Rosenbaum, D. A. (2000). Timed actions. Talk presented to the Department of Neurological & Vision Sciences, University of Verona, Verona, Italy, November 30.
- Rosenbaum, D. A. (2001). Toward an integrated theory of motor planning. Colloquium presented in Graduate Student Lecture Series, University of Alberta, Canada, March 27.
- Rosenbaum, D. A. (2001). Aiming and adding: Scheduling cognitive and perceptual-motor events. Talk presented to the Department of Psychology, University of Alberta, Canada, March 28.
- Rosenbaum, D. A. (2001). Hand-mind coordination. Talk presented to the Max Planck Institute for Psychological Research, Munich, Germany, June 12.
- Rosenbaum, D. A. (2002). The end-state comfort effect: Prelude to the posture-based movement planning theory. Invited talk presented to the Workshop on Object

Manipulation From a Perpection-Action Perspective, Utrecht, Netherlands,
March 1.

Rosenbaum, D. A. (2002). The special role of undergraduates in psychology. Guest speaker at Psi Chi Induction Banquet, Penn State University, April 21. (Professor Alicia Grandy was also a guest speaker.)

Rosenbaum, D. A. (2002). Cognitive underpinnings of voluntary action. Invited lecture presented at the International Congress on Movement, Attention and Perception, Laboratoire d'Analyse de la Performance Motrice Humaine, Université de Poitiers, France, June 19-20.

Rosenbaum, D. A. (2002). Posture-based planning of visually guided actions. Invited lecture presented at the Workshop on The Neural Bases of Visuomotor Control, Hyères, France, September 5-8.

Rosenbaum, D. A. (2002). Cognition and action. Colloquium presented to the Department of Psychology, University of Louisville, Louisville, KY, September 13.

Rosenbaum, D. A. (2003). The cognitive control of movement. Invited talk presented at the conference on Progress in Motor Control: Motor Control and Learning (Francis Lestienne and Anatol Feldman Organizers), Caen, France, August 20-23.

Rosenbaum, D. A. (2003). How do we get from psycho to motor? Keynote address presented at the Annual Conference of the Canadian Society for Psychomotor Behaviour and Sport Psychology, October 16-18, Hamilton, Ontario, Canada.

Rosenbaum, D. A. (2003). Acting in and on the world. Talk given to the Penn State Action Club, November 14.

Rosenbaum, D. A. (2003). Should cognitive psychologists care about motor control? Colloquium presented to the Department of Experimental Psychology, University of Ghent, Belgium, December 15.

Rosenbaum, D. A. (2003). Mental moves. Keynote address presented at the Annual Meeting of the Dutch Psychonomics Society, December 19-20, Egmond-aan-Zee, Netherlands.

Rosenbaum, D. A. (2004). Acting in and on the world. Colloquium presented to the Department of Cognitive Science, Rennselaer Polytechnic University, Troy, New York, April 21.

- Rosenbaum, D. A. (2004). Current research on the psychology of movement at Penn State's Laboratory for Cognition and Action. Invited talk given at the Faculty of Human Movement Sciences, Vrije Universiteit, Amsterdam, Netherlands, June 3.
- Rosenbaum, D. A. (2005). The Cinderella of Psychology: The neglect of action in the science of mental life and behavior. Colloquium presented to the Department of Psychology, Columbia University, New York, New York, April 20.
- Rosenbaum, D. A. (2005). Haptic tracking. Invited talk presented at the Workshop on Perception and Action, Rauischholzhausen Castle, Giessen, Germany, August 28-31.
- Rosenbaum, D. A. (2005). Haptic tracking. Invited talk given in the Winer Lecture series, Department of Psychological Sciences, Purdue University, West Lafayette, IN, October 17-18.
- Rosenbaum, D. A. (2005). The Cinderella of psychology: The neglect of motor control in the science of mental life and behavior. Keynote address presented at the 21st Annual Meeting of the International Society for Psychophysics, Traverse City, MI, October 19.
- Rosenbaum, D. A. (2006). The Cinderella of psychology: The neglect of motor control in the science of mental life and behavior. Keynote address presented at the Annual Meeting of the Southern Society for Philosophy and Psychology, Charleston, SC, April 14.
- Rosenbaum, D. A. (2006). The Cinderella of psychology: The neglect of motor control in the science of mental life and behavior. Human Kinetics Lecture presented at the 2006 annual meeting of the North American Society of Sport Psychology and Physical Activity, Denver, CO, June 1.
- Rosenbaum, D. A. (2006). Steven Keele: Moving on. Invited talk given in a memorial symposium for Steven Keele held at the 2006 annual meeting of the North American Society of Sport Psychology and Physical Activity, Denver, CO, June 2.
- Rosenbaum, D. A. (2006). Cognition and action. Colloquium presented to the School of Psychology, University of Wales, Bangor, October 2.
- Rosenbaum, D. A. (2006). The Cinderella of psychology: The neglect of motor control in the science of mental life and behavior. Colloquium presented to the Department of Psychology, Hamilton College, Clinton, NY, October 9.

- Rosenbaum, D. A. (2006). Cognition and action. Colloquium presented to the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, December 6.
- Rosenbaum, D. A. (2007). Cognition and action. Talk presented at the Workshop on The Cognitive Basis of (Joint) Action, Nijmegen Institute for Cognition and Information, Nijmegen, Netherlands, January 9.
- Rosenbaum, D. A. (2007). Cognition and action. Colloquium presented to the Department of Psychology, Rutgers University, Newark, NJ, March 30.
- Rosenbaum, D. A. (2007). The problem of serial order in behavior: Lashley's legacy. Colloquium presented to the Faculty of Psychology and Sport Sciences, Bielefeld University, Bielefeld, Germany, May 29.
- Rosenbaum, D. A. (2007). The problem of serial order in behavior: Lashley's legacy. Keynote address presented to the European Workshop on Movement Science, Free University, Amsterdam, May 31.
- Rosenbaum, D. A. (2007). Human motor planning. Lecture presented to the Fourth Motor Control Summer School, Ligonier, PA, June 22.
- Rosenbaum, D. A. (2007). Keeping your nose clean while getting your hands dirty. Talk given at the Research Integrity Brownbag, Office of Research Protections, Penn State University, September 13.
- Rosenbaum, D. A. (2007). Motor planning. Talk given at the Workshop on the Control of Dance, University of Bielefeld, Bielefeld, Germany, October 29.
- Rosenbaum, D. A. (2008). Motor planning. Talk given at the Gerontology Colloquium series, Department of Human Development and Family Studies, Penn State University, University Park, PA, February 6.
- Rosenbaum, D. A. (2008). Language planning and action planning. Talk given at the Center for Language Science, Penn State University, University Park, PA, February 15.
- Rosenbaum, D. A. (2008). Putting thought into action. Colloquium presented to the Department of Psychology, University of Western Ontario, Canada, March 14.
- Rosenbaum, D. A. (2008). Putting thought into action. Distinguished Speakers in Bioengineering Series, Institute of Biomaterials & Biomedical Engineering (IBBME), University of Toronto, Toronto, Canada, September 22

- Rosenbaum, D. A. (2008). Reaching for a cognitive model of motor control. Invited talk for a Symposium on Models of Motor Control and Performance, Human Factors, New York City, September 23.
- Rosenbaum, D. A. (2008). Putting thought into action. Geraldine Pellecchia Memorial Lecture on Cognition and Coordination, University of Connecticut, Storrs, October 17.
- Rosenbaum, D. A. (2009). Putting thought into action. Colloquium presented to the Department of Psychology, Bowling Green University, Bowling Green, OH, February 26.
- Rosenbaum, D. A. (2009). Putting thought into action. Colloquium presented to the Department of Psychology, Rutgers University, New Brunswick, NJ, March 9.
- Rosenbaum, D. A. (2009). Putting thought into action. Invited talk for the Alice V. Morris Symposium on Language, Cognition and Motor Control. Stony Brook University, Stony Brook, NY, May 29-31.
- Rosenbaum, D. A. (2009). Development of expertise and the control of physical actions. 2009 Carnegie Symposium on Cognition, Carnegie Mellon University, Pittsburgh, PA, June 2-4.
- Rosenbaum, D. A. (2009). Putting thought into action. Colloquium presented to the Centre for Cognition, Radboud University, Nijmegen, Netherlands, June 9.
- Rosenbaum, D. A. (2010). Talk to be presented at the Conference on Perception and Action, University of Bielefeld, Bielefeld, Germany, June 23-26.
- Rosenbaum, D. A. (2010). Talk to be presented at the “Emeratation” Ceremony of Prof. Dr. Wolfgang Prinz, Max Plank Institute, Leipzig, Germany, September 10.

Presentations At Meetings

- Rosenbaum, D. A. (1976). Mental time and real time in the production of manual responses. Talk presented at the Seventeenth Annual Meeting of the Psychonomic Society. St. Louis, MO, November 12.
- Rosenbaum, D. A. (1978). Selecting the side of the body, limb, and direction of forthcoming movements. Talk presented at the Nineteenth Annual Meeting of the Psychonomic Society, San Antonio, TX, November 9.

- Rosenbaum, D. A. (1980). Context effects in movement timing. Talk presented at the Twenty first Annual Meeting of the Psychonomic Society, St. Louis, MO, November 14.
- Rosenbaum, D. A., & Saltzman, E. (1982). Levels of choice in the production of movement sequences. Talk presented at the Twenty-third Annual Meeting of the Psychonomic Society, Minneapolis, MN, November 12.
- Rosenbaum, D. A., Inhoff, A. W., & Gordon, A. M. (1983). A hierarchical editor model for choosing between movement sequences. Talk presented at the Twenty-fourth Annual Meeting of the Psychonomic Society, San Diego, CA, November 18.
- Rosenbaum, D. A., Hindorff, V., & Munro, E. M. (1984). Tests and elaborations of the hierarchical editor model of motor programming. Talk presented at the Twenty-fifth Annual Meeting of the Psychonomic Society, San Antonio, TX, November 9.
- Rosenbaum, D. A., Barnes, H. J., & Hindorff, V. (1986). Internal representation of the body surface. Talk presented at the Twenty-seventh Annual Meeting of the Psychonomic Society, New Orleans, LA, November 13.
- Barnes, H. J. & Rosenbaum, D. A. (1988). The response switching effect. Talk presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Knoxville, TN, June 6-7.
- Rosenbaum, D. A., Vaughan, J., Marchak, R., Barnes, H. J., Slotta, J. D., & Jorgensen, M. J. (1988). Grammar of action: I. Selecting grip patterns. Talk presented at the Annual Meeting of the Psychonomic Society, Chicago, IL, November 10-12.
- Vaughan, J., Rosenbaum, D. A., Slotta, J. D., Barnes, H. J., Marchak, F., & Jorgensen, M. J. (1988). Grammar of action: II. Selecting coordinative patterns of the arm, hand, and finger. Talk presented at the Annual Meeting of the Psychonomic Society, Chicago, IL, November 10-12.
- Barnes, H. J., Vaughan, J., Jorgensen, M. J., & Rosenbaum, D. A. (1988). A low-cost system for digitizing continuous movements. Talk presented at the Annual Meeting of the Society for Computers in Psychology, Chicago, IL, November 9.
- Slotta, J. D., & Rosenbaum, D. A., & Vaughan, J. (1989). The utilization of energetics in movement planning. Talk presented at the Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity, Kent, Ohio, June 3.

- Zelaznik, H. N., Slotta, J. D., & Rosenbaum, D. A. (1989). The timing of negative acceleration: A new theory for the linear speed accuracy trade-off in aimed hand movements. Talk presented at the Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity, Kent, Ohio, June 2.
- Diedrich, F. J., Vaughan, J., & Rosenbaum, D. A. (1990). Planning simple tapping movements: The virtual amplitude hypothesis. Talk presented at the 31st Annual Meeting of the Psychonomic Society, New Orleans, LA, November 16-18, 1990.
- Rosenbaum, D. A. (1990). Broadcast theory of sequencing and timing. Talk presented at the 31st Annual Meeting of the Psychonomic Society, New Orleans, LA, November 16-18, 1990.
- Rosenbaum, D. A. (1991). Spatially based timing. Talk presented at the first meeting of New England Sequencing and Timing, University of Massachusetts, Amherst, MA, January 10.
- Lagasse, L. L. & Rosenbaum, D. A. (1991). Does vision guide the hand or update knowledge of target location? Poster presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco, CA, November 22-24.
- Vaughan, J., Rosenbaum, D. A., & Moore, C. (1991). Cooperative selection of action in tapping: A quantitative model. Talk presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco, CA, November 22-24.
- Rosenbaum, D. A. & Engelbrecht, S. E. (1991). Turing tests of movement. Talk presented at the 32nd Annual Meeting of the Psychonomic Society, San Francisco, CA, November 22-24.
- Barnes, H. J. & Rosenbaum, D. A. (1992). Timing and attention. Talk presented at the Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity, Pittsburgh, PA, June 14.
- Vaughan, J., Rosenbaum, D. A., Joachim, E., Puleio, M., & Groph, D. (1992). Selecting a grip for manipulation: Order of information presentation. Talk presented at the 33rd Annual Meeting of the Psychonomic Society, St. Louis, MO, November 14.
- Rosenbaum, D. A. (1993). Simulated reaching. Talk presented to the Massachusetts Action Group, Amherst, MA, January 8.
- Meulenbroek, R. G. J., Rosenbaum, D. A., Thomassen, A. J. W. M., & Loukopoulos, L. D. (1993). Preliminaries of a motor control model accommodating body-and

- task-related degrees of freedom in graphomotor activity. Talk presented at the Sixth International Conference on Handwriting and Drawing. Paris, July 4-7.
- Rosenbaum, D. A. (1993). Control of human reaching. Talk presented to the Research Experience for Undergraduates Program, Neuroscience and Behavior Program, University of Massachusetts, Amherst, July 28.
- Rosenbaum, D. A., Loukopoulos, L. D., Meulenbroek, R. J. M., Vaughan, J., Engelbrecht, S., Dufour, R., Fischer, M. H., & Szymkowiak, A. (1993). Planning reaches based on affordances. Talk presented at the North American Meeting of the International Society for Ecological Psychology, Northampton, MA, October 15-16.
- Loukopoulos, L. D., Rosenbaum, D. A., Meulenbroek, R. G. J., Vaughan, J. (1993). Computations for obstacle avoidance. Talk presented at the 34th Annual Meeting of the Psychonomics Society, Washington, D. C., November 5.
- Rosenbaum, D. A. & Meulenbroek, R. J. M. (1994). Motor equivalence in handwriting. Talk presented at the Fourth Annual Meeting of New England Sequencing and Timing, Amherst, MA, March 12.
- Engelbrecht, S. E. & Rosenbaum, D. A. (1994). A computational model for optimal movement selection. Talk presented at the Western Psychological Association, Kona, Hawaii, April 28.
- Vaughan, J. & Rosenbaum, D. A., Loukopoulos, L. D., Fischer, M. H., Meulenbroek, R. G. J., & Engelbrecht, S. E. (1994). The Knowledge model simulation of movements. Talk presented at the 35th Annual Meeting of the Psychonomics Society, St. Louis, MO, November 13.
- Rosenbaum, D. A., Jansen, C., Lelivelt, A., Meulenbroek, R., & Vaughan, J. (1995). Selecting and timing collision-free reaching movements. Talk presented at the Fifth Annual Meeting of New England Sequencing and Timing, Brown University, Providence, RI, March 11.
- Rosenbaum, D. A., Lelivelt, A., Jansen, C. Vaughan, J., & Meulenbroek, R. (1995). How do we remember reached-for positions? Talk presented at the 36th Annual Meeting of the Psychonomics Society, Los Angeles, California, November 11.
- Vaughan, J., Diedrich, F., Boak, J., Moore, C. M., Mattson, T., & Rosenbaum, D. A. (1995). The cognitive psychology of action: The selection of motor movements in reaching and tapping. Poster presented at the 35th anniversary celebration of the Hamilton College Chapter of Sigma Xi. Clinton, NY, September 23.

- Harp, C. J., Elsinger, C., Rogosky, B. J., Lelivelt, A. B., & Rosenbaum, D. A. (1996). Effort minimization in movement selection: Evidence from a two-choice reaching task. Talk presented at the Annual Meeting Of The Eastern Psychological Association, Philadelphia, PA, March 30.
- Lussanet, M., Aarts, R., & Rosenbaum, D. A. (1996). Reaching control. Poster presented at the Annual Meeting Of the Society For Experimental Biologists, Lancaster, England, March 23.
- Shin, J. & Rosenbaum, D. A. (1996). Continuous behavioral measurement of mental activity: Reaching to calculate. Poster presented at the Eight Annual Meeting Of The American Psychological Society, San Diego, July 1.
- Meulenbroek, R. G. & Rosenbaum, D. A. (1996). Computational accounts of motor equivalence in handwriting: An historic perspective. Talk presented at the International Conference on Bernstein's Traditions in Motor Control, University Park, Pennsylvania, August 24.
- Johnson, S. H., Hawley, E., Tokowicz, N., & Rosenbaum, D. A. (1996). Virtual reaching to visual objects. Poster presented at the 37th Annual Meeting of the Psychonomics Society, Chicago, IL, November 2.
- Vaughan, J., Mattson, T., & Rosenbaum, D. A. (1996). The performance of rhythmic tapping: Hysteresis effects. Talk presented at the 37th Annual Meeting of the Psychonomics Society, Chicago, IL, November 3.
- Grosjean, M. & Rosenbaum, D. A. (1997). Rhythmic and reactive responding in reaction time tasks. Talk presented at the Seventh Annual Meeting of New England Sequencing and Timing, Brown University, Providence, RI, March 8.
- Rosenbaum, D. A. (1997). Spatially based timing. Talk presented at the Seventh Annual Meeting of New England Sequencing and Timing, Brown University, Providence, RI, March 8.
- Shin, J. & Rosenbaum, D. A. (1997). Scheduling of cognitive and perceptual-motor activities. Talk presented at the Seventh Annual Meeting of New England Sequencing and Timing, Brown University, Providence, RI, March 8.
- Harp, C. J., Lelivelt, A. B., Rosenbaum, D. A., & Buehl, M. (1997). Benefit of initially unconstrained joints in movement planning. Talk presented at the Annual Meeting Of The Eastern Psychological Association, Washington, DC, April 12.

- Rosenbaum, D. A., Meulenbroek, R. G. J., Vaughan, J. (1997). Reaching around obstacles. Talk presented at the 38th Annual Meeting of the Psychonomics Society, Philadelphia, PA, November 23.
- Vaughan, J., Mattson, T., & Rosenbaum, D. A. (1997). Hysteresis in rhythmic tapping: Limb segment selection and impulse modulation. Talk presented at the 38th Annual Meeting of the Psychonomics Society, Philadelphia, PA, November 23.
- Shin, J. C. & Rosenbaum, D. A. (1998). The interaction between aiming and arithmetic in a goal-directed task. Poster presented at the 39th Annual Meeting of the Psychonomics Society. Dallas, TX, November.
- Vaughan, J., Rosenbaum, D. A., Meulenbroek, R. G. J., & Jansen, C. (1999). Finding final postures without colliding. Talk presented at the Eighth Annual Meeting of New England Sequencing and Timing, Brown University, Providence, RI, March 6.
- Meulenbroek, R. G., Rosenbaum, D. A., Jansen, C., & Vaughan, J. (1999). Evaluation of a model of multijoint grasping movements. Talk presented at the Dutch Psychonomics Conference, Egmond aan Zee, The Netherlands, December 17.
- Brown, L. E., Moore, C. M., & Rosenbaum, D. A. (2000). Differential processing of color and depth for recognition and action. Poster presented at the Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 4.
- Rosenbaum, D. A., Meulenbroek, R. G. J., & Vaughan, J. (2000). Coming to grips with grasping. Talk presented at the 41st Annual Meeting of the Psychonomic Society, New Orleans, LA, November 19, New Orleans, Louisiana.
- Rosenbaum, D. A. & Shin, J. (2001). Synchronizing the hand and the mind. Talk presented at the Tenth Annual Meeting of New England Sequencing and Timing, Yale University, New Haven, CT, March 3.
- Brown, L. E. & Rosenbaum, D. A. (2001). Coordinate systems for movement planning: Evidence from positional drift. Poster presented at the annual meeting of the Psychonomic Society, Orlando, FL, November 15.
- Jax, S. & Rosenbaum, D. A. (2001). Reaching around obstacles. Poster presented at the annual meeting of the Psychonomic Society, Orlando, FL, November 15.
- Augustyn, J. S., Benjamin, S. E., Gacka, K. N., Graham, J. R., & Rosenbaum, D. A. (2002). Temporal coordination between mental and motor operations: Testing the

strategic coordination hypothesis. Talk presented at the Twelfth Annual Meeting of New England Sequence and Timing, New Haven, CT, March 16.

Jax, S. A., Graham, J. R., Meulenbroek, R.G.J., Rosenbaum, D. A., & Vaughan, J. (2002). Joint timing in reaching around obstacles. Talk presented at the Twelfth Annual Meeting of New England Sequence and Timing, New Haven, CT, March 16.

Brown, L. E., Rosenbaum, D. A., & Sainburg, R. L. (2002). Position drift is not proprioceptive drift. Poster presented at the annual meeting of the Society for the Neural Control of Movement, Naples, FL, April 18.

Waszak, F., Wascher, E., Prinz, W., & Rosenbaum, D. A. Exploration of “reactive” and “willed” actions by means of behavioural data and ERPs. (2002). Poster presented at the International Congress on Movement, Attention and Perception, Laboratoire d'Analyse de la Performance Motrice Humaine, Université de Poitiers, France, June 19-20.

Brown, L. E., Rosenbaum, D. A., & Sainburg, R. L. (2002). Hand position drift reflects independent control of movement production and posture. Poster presented at the annual meeting of the Society for Neuroscience, Orlando, FL, November 4.

Rosenbaum, D. A., (2002). Independence of hand movements during bimanual haptic pursuit tracking. Talk presented at the 43rd Annual Meeting of the Psychonomic Society, Kansas City, MO, November 22.

Waszak, F., Wascher, E., Aschersleben, G., Koch, I., Prinz, W., & Rosenbaum, D. A. (2002). Comparison of “reactive” and “willed” actions by means of ERPs. Poster presented at the 43rd Annual Meeting of the Psychonomic Society, Kansas City, MO, November 23.

Bosga, J., Meulenbroek, R. G., & Rosenbaum, D. A. (2003). Multiple task-constraint satisfaction in continuous motor performance. Talk presented at the Annual Meeting of the Dutch Psycho-nomics Society, December 19-20, Egmond-aan-Zee, Netherlands

Cohen, R. G. & Rosenbaum, D. A. (2003). The end-state comfort effect holds continuously. Talk presented at the Annual Conference of the Canadian Society for Psychomotor Behaviour and Sport Psychology, October 16-8, Hamilton, Ontario, Canada.

Jax, S. A. & Rosenbaum, D. A. (2003). Sequential effects in manual obstacle avoidance. Talk presented at the Annual Conference of the Canadian Society for Psy-

chomotor Behaviour and Sport Psychology, October 16-8, Hamilton, Ontario, Canada.

Jax, S. A. & Rosenbaum, D. A. (2003). Switching motor tasks: Reaching around obstacles. Talk presented at the Thirteenth Annual Meeting of New England Sequencing and Timing. New Haven, CT, March 15.

Jax, S. A. & Rosenbaum, D. A. (2003). Sequential effects in obstacle avoidance: The obstacle-perseveration effect. Poster presented at the 44th Annual Meeting of The Psychonomics Society, Vancouver, BC, November.

Cohen, R. G. & Rosenbaum, D. A. (2004). Moving and holding still: Two control systems or one? Poster presented at the 45th Annual Meeting of The Psychonomics Society, Minneapolis, Minnesota, November 18.

Biddle, J., Cohen, R. G., Fleckenstein, R., Jax, S. A., Van Der Wel, R., & Rosenbaum, D. A. (2005). Reaching around obstacles. Talk presented at the Fifteenth Annual Meeting of New England Sequencing and Timing. New Haven, CT, March 5.

Cohen, R. G. & Rosenbaum, D. A. (2005). Moving versus maintaining positions: One process or two? Talk presented at the Fifteenth Annual Meeting of New England Sequencing and Timing. New Haven, CT, March 5.

Dawson, A. & Rosenbaum, D. A. (2005). Haptic tracking allows for bimanual independence. Talk presented at the Fifteenth Annual Meeting of New England Sequencing and Timing. New Haven, CT, March 5.

Benjamin, S., Dalsania, P., Lee, S., Gaydos, M., Gelety, L., Mobarek, C., Pinsky, J., Redenz, C., & Rosenbaum, D. A. (2005). Better here than Philadelphia: Choosing between movement alternatives. Talk presented at the Second International Workshop on Posture-Based Motion Planning, University Park, PA, April 4-6.

Biddle, J., Cohen, R. G., Schiller, C., Walsh, M., Hopkins, L., Miller, M., & Rosenbaum, D. A. (2005). Issues in obstacle avoidance. Talk presented at the Second International Workshop on Posture-Based Motion Planning, University Park, PA, April 4-6.

Cohen, R. G., Ludwig, A., McCullough, J., New, A., Parkins, A., Rosenbaum, D. A. (2005). Does the end-state comfort effect hold when objects are rotated? Talk presented at the Second International Workshop on Posture-Based Motion Planning, University Park, PA, April 4-6.

- Cohen, R. G. & Rosenbaum, D. A. (2005). Stillness and movement: One system or two? Talk presented at the Second International Workshop on Posture-Based Motion Planning, University Park, PA, April 4-6.
- Dawson, A., Rosenbaum, D. A., Starr, P., Bonadio, F., Kane, C., Erschen, J., & Cortellini, K. (2005). Haptic tracking allows for bimanual independence. Talk presented at the Second International Workshop on Posture-Based Motion Planning, University Park, PA, April 4-6.
- van der Wel, R., Fleckenstein, R. M., Jax, S. A., & Rosenbaum, D. A. (2005). Sequential effects in obstacle avoidance. Talk presented at the Second International Workshop on Posture-Based Motion Planning, University Park, PA, April 4-6.
- Cohen, R. G. & Rosenbaum, D.A. (2005). Are movement and stillness distinct? Poster presented at Progress in Motor Control V. University Park, PA, August 17-20.
- Dawson A., Bonadio F., Cortellini K., Erschen J., Kane C., Starr P., & Rosenbaum D.A. (2005). Reduced planning permits bimanual independence, Poster presented at Progress in Motor Control V, University Park, PA, August 17-20.
- Jax, S. A. & Rosenbaum, D. A. (2005). Sequential effects in reaching around obstacles: Evidence for reuse of movement plans. Poster presented at Progress in Motor Control V, University Park, PA, August 17-20.
- Van der Wel R., Fleckenstein R., Jax S. A., & Rosenbaum D. A. (2005). Anticipatory and perseveratory effects in obstacle avoidance. Poster presented at Progress in Motor Control V, University Park, PA, August 17-20.
- Vaughan J., Klein Breteler M., Rosenbaum D. A., Meulenbroek R. G., Jax S. A., Lantz K., Kudurshian A., & Godleski S. (2005). Generating trajectories in 3-D workspaces using goal postures and bounce postures. Poster presented at Progress in Motor Control V, University Park, PA, August 17-20.
- Dawson, A. M., Rosenbaum, D. A. , & Challis, J. H. (2005). Haptic tracking permits bimanual independence. Talk presented to the Penn State Action Club, September 16.
- Rosenbaum, D. A. & Cohen, R. G. (2005). Looking into the future: How we grasp objects reflects anticipation of future positions. Talk presented at the 46th Annual Meeting of The Psychonomics Society, Toronto, Ontario, November 12.

- Van der Wel, R. & Rosenbaum, D. A. (2005). Tapping the mind for movement. Poster presented at the 46th Annual Meeting of The Psychonomics Society, Toronto, Ontario, November 12.
- Vaughan, J., Klein Breteler, M., Rosenbaum, D. A., Jax, S. A., Lantz, K., & Kudurshian, A. (2005). Planning trajectories in 3-dimensional space on the basis of three postures. Talk presented at the 46th Annual Meeting of The Psychonomics Society, Toronto, Ontario, November 12.
- Vaughan, J., Klein Breteler, M. D., Rosenbaum, D. A., Meulenbroek, R. G. J., Jax, S. A., Lantz, K., Kudurshian, A., & Godleski, S. (2005). Manipulating objects around obstacles: The extended posture-based model. Talk presented at the Workshop on Object Manipulation From A Perception-Action Perspective, Nijmegen, Netherlands, December 2-4.
- Vaughan, J., Rosenbaum, D. A., & Meulenbroek, R. G. J. (2006). Modeling 3-dimensional trajectories in reaching: Moving a tool around obstacles. Paper presented at the Tenth International Conference on Cognitive and Neural Systems, May 17-20, Boston University.
- Vaughan, J., Rosenbaum, D. A., & Meulenbroek, R. J. G. (2006). Modeling reaching and manipulating: Extending the posture-based model to 3-dimensional work-spaces. Paper presented at the International Conference on Development and Learning, Bloomington, Indiana, May 31-June 3.
- van der Wal, R. & Rosenbaum, D. A. (2006). The obstacle perseveration effect. Poster presented at the Annual Meeting of the Society For Neuroscience, Atlanta, Georgia, October 16, 2006
- Vaughan, J., Jax, S. A., & Rosenbaum, D. A. (2006). Extending and evaluating the posture-based model of motion planning. Talk presented at the 47th Annual Meeting of The Psychonomics Society, Houston, Texas, November 17.
- Cohen, R. & Rosenbaum, D. A. (2007). Directionally specific preparatory activity. Poster presented at the European Workshop on Movement Science, Free University, Amsterdam, May 31.
- Rosenbaum, D. A. (2007). Taking hold of the future. Talk presented at the annual meeting of the Society of Experimental Psychologists, Storrs, CT, March 10, 2007.
- Rosenbaum, D. A. (2007). Taking hold of the future. Talk presented at New England Sequencing and Timing, New Haven, CT, March 17, 2007.

- Van der Wel, R. & Rosenbaum, D. A. (2007). Resistance to slow motion: Strategies for moving near preferred speeds. Poster presented at the European Workshop on Movement Science, Free University, Amsterdam, May 31.
- Vaughan, J., Rosenbaum, D. A., Brandt, J., & Linsley, D. (2007). Following through: Extensions of the posture-based model to the planning of everyday actions. Paper presented at the Joint Meeting of the European Psychonomics Society and American Psychonomics Society, Edinburgh, Scotland, July 4 - 7.
- Van der Wel, R. & Rosenbaum, D. A. (2007). Resistance to slow motion: Strategies for moving near preferred speeds. Poster presented at the 48th annual meeting of the Psychonomic Society, Long Beach, CA, November 15.
- Vaughan, J., Rosenbaum, D. A., & Linsley, D. (2007). Representing postures and generating trajectories in 3 dimensions: A MATLAB program. Paper presented at the Annual Meeting of the Society For Computers In Psychology, Long Beach, CA, November.
- Walsh, M. M. & Rosenbaum, D. A. (2007). Planning and evaluation of movement sequences. Poster presented at the annual meeting of the Pennsylvania State University Psychology Department's Psi Chi chapter, University Park, PA, April 10.
- Rosenbaum, D. A. (2008). As long as we are alive, we are always moving. Talk presented at New England Sequencing and Timing, New Haven, CT, March 8.
- Rosenbaum, D. A. (2008). Putting thought into action. Talk presented to the Penn State Action Club, September 5.
- Eder, J. & Rosenbaum, D. A. (2008). Shaping eliminates the simple interval-ratio advantage for unimanual tapping. Poster presented at the 49th annual meeting of the Psychonomic Society, Chicago, IL, November 13-16.
- Santamaria, J. & Rosenbaum, D. A. (2008). Combined control of locomotion and prehension: Different effects for picking up and dropping off objects. Poster presented at the 49th annual meeting of the Psychonomic Society, Chicago, IL, November 13-16.
- van der Wel, R. & Rosenbaum, D. A. (2008). What do congruency effects in bimanual grasping tell us about action representations? Poster presented at the 49th annual meeting of the Psychonomic Society, Chicago, IL, November 13-16.

- Rosenbaum, D. A. (2008). Always moving: A new solution to the posture-movement paradox of neuro-muscular control. Poster presented at Society For Neuroscience, Washington, DC, November 16.
- Rosenbaum, D. A. (2009). Some goings-on at “Moss West.” Talk given at the Fifth International Workshop on Posture-Based Motion Planning. MossRehab, Philadelphia, PA, June 22.
- Coelho, C. & Rosenbaum, D. A. (2009). Motor planning for what matters: Pursuing a quantitative model of effort. Poster to be presented at Psychonomics, Boston, MA, November, November 20.
- Eder, J. & Rosenbaum, D. A. (2009). Trial-and-error learning eliminates the simple interval-ratio advantage for unimanual tapping. Poster to be presented at Psychonomics, Boston, MA, November.
- Santamaria, J. P. & Rosenbaum, D. A. (2009). Social effort reduction in door opening. Poster to be presented at Psychonomics, Boston, MA, November.