North American Society for the Psychology of Sport and Physical Activity

Conference Program

San Diego, California

June 7–9, 2007
Wednesday, June 6

9:00 am – 5:00 pm — Executive Committee Meeting (Past-President’s Suite)

4:00 – 7:00 pm — Conference Registration (Boardroom)

Thursday, June 7

10:00 am – 7:30 pm — Conference Registration (Boardroom)

8:30 – 11:30 am — Preconference Symposium (Rousseau)

Title: Reflecting on the Contributions of Richard A. Schmidt to Motor Control and Learning Research

Organizers: Timothy Lee and Howard Zelaznik

David Sherwood, University of Colorado

*Role of schema and generalized motor program concepts as they relate to motor control generalization*

Howard Zelaznik, Purdue University

*Impulse variability in discrete manual control*

Gabriele Wulf, University of Nevada, Las Vegas; Stephan Swinnen, Catholic University, Belgium

*Role of augmented feedback in the acquisition, retention, and transfer of motor skills*

Carolee Winstein, University of Southern California

*Application of motor learning and control theory to physical therapy*

Doug Young, California State University, Long Beach

*Application of motor learning and control theory to human factors and ergonomics*

Timothy Lee, McMaster University

*Schmidt’s legacy in terms of books and as founder and first editor of the Journal of Motor Behavior*

Gwen Gordon

*Retrospective of decades of research in pictures*

Richard A. Schmidt

*Lessons learned after five decades of research and directions for the future*

11:45 am – 1:00 pm — Preconference Symposium (Cockatoo)

Title: Grant Money—Where Is It and How Do I Get Some of It?

Organizer: Christopher Rhea, Purdue University

Adam Kiefer, University of Cincinnati; Jeffrey Haddad, Purdue University; Daniel M. Corcos, University of Illinois at Chicago; Christopher Rhea, Purdue University
Concurrent Sessions, 1:15 – 2:45 pm

1:15 – 2:45 pm — Motor Learning/Control Symposium (Toucan)

Judgment and Decision Making in Sport

Organizers: Markus Raab, University of Flensburg; Joseph Johnson, Miami University, OH

1:15 Henning Plessner, University of Heidelberg; Ralf Brand, Geoffrey Schweizer, University of Stuttgart
A social cognition approach as the basis for development of decision training for soccer referees

1:30 Joseph Johnson, Miami University, OH
Cognitive modeling of athletes’ pre-decisional processes and resulting decisions

1:45 Gershon Tenenbaum, Florida State University
Decision in the form of attention: The speed-accuracy tradeoff and the cost-benefit paradigm

2:00 Joan Vickers, University of Calgary
The quiet eye as a factor in athlete decision-making

2:15 Markus Raab, University of Flensburg
Reaction

1:15 – 2:45 — Motor Development Symposium (Cockatoo)

Autism Spectrum Disorders and Motor Development: It’s Not Just About Language and Social Interaction

1:15 Michelle Pope and Dawn Lantero, Texas State University
Autism: Issues in measurement and research design

1:40 Nancy Getchell and Amy Lynch, University of Delaware
Motor competencies in children with autism spectrum disorders

2:05 Jody L. Jensen, University of Texas
Empirical evidence for the efficacy of neurosensory approaches to the treatment of autism spectrum disorders

1:15 – 2:45 — Sport and Exercise Psychology Verbal Presentations (Macaw)

Title: Exercise, Affect, and Women’s Health

Presider: Christopher Janelle, University of Florida

1:15 Tessa Sanderson and Anne Haase, University of Bristol
Does physical activity influence anxiety after pregnancy? Physical activity as a predictor of trait anxiety and social physique anxiety in postpartum women

1:30 Carolyn McIntyre and Ryan Rhodes, University of Victoria
Transitions to motherhood and its effect on physical activity
1:45 Katie-Ann Berry, Kent Kowalski, Tara-Leigh Fleming, University of Saskatchewan
Exploring the experience of body self-compassion for women who exercise

2:00 Kerry McGannon, Christina Johnson, University of Iowa, John Spence, University of Alberta
Adam and Eve in the Garden of Eatin’: The politics of gendered narratives and weight loss imperatives in news discourse

2:15 Danielle Symons Downs, Jennifer DiNallo, Tiffany Kimer, Pennsylvania State University
Pregnant women’s exercise motivation and behavior: Moderating influence of parental status

2:30 Sarah E. Junkin, Kent C. Kowalski, and Tara-Leigh Fleming, University of Saskatchewan
Yoga and self-esteem: Exploring change in middle-aged women

3:00 – 3:45 pm — Early Career Distinguished Scholar Lecture (Toucan)

Presider: Maureen Weiss, University of Virginia
Speaker: Matthew Heath, University of Western Ontario
Visual information: When and how we use it influences what we use

Concurrent Sessions, 4:00 – 5:15 pm

4:00 – 5:15 pm — Motor Learning/Control Verbal Presentations (Toucan)

Title: Timing/Coordination

Presider: Gershon Tenenbaum, Florida State University

4:00 Raoul Huys, Viktor Jirsa, CNRS & Institute Mouvement & Perception, France; Nicole Rheame, Breanna Studenka, Howard Zelaznik, Purdue University
Distinct mechanisms underwrite human timing

4:15 Howard Zelaznik, Gordon Binsted, A. Georgescu, K. Brownell, Purdue University and University of Saskatchewan
Individual differences in timing precision for eye movement timing, tapping and circle drawing: Is saccadic timing shareable with timing in tapping?

4:30 Jeffrey Fairbrother and Tim Nguyen, University of Tennessee
The effects of task switching during the acquisition and retention of timing tasks

4:45 Adam Kiefer, Michael Riley, Kevin Shockley, Guy Van Orden, University of Cincinnati
Random thoughts while walking: Dynamics of concurrent cognitive-locomotor performance

5:00 Polemnia Amazeen, Arizona State University
Intentional control of motor-respiratory coordination
4:00 – 5:15 pm — Sport and Exercise Psychology Verbal Presentations (Macaw)

Title: Motivation and Group Dynamics

Presider: Danielle Symons Downs, Pennsylvania State University

4:00 Meghan McDonough, Purdue University; Peter Crocker, University of British Columbia
*Examining changes in psychological needs and self-determined motivation among adult dragon boat participants*

4:15 Kylie Wilson, University of Wales Institute, Cardiff; Lew Hardy, University of Wales, Bangor
*Investigating the interactions between achievement goal orientations and perceived competence on motivation*

4:30 Graig Chow, Teri Hepler, Deborah Feltz, Michigan State University
*The effects of group motivational processes on individual performance in women’s volleyball*

4:45 Diana Vincer, Ashleigh Baker, Todd Loughead, Krista Munroe-Chandler, University of Windsor
*The role of athlete leadership in dyadic team sports*

5:00 Ben Jackson, University of Leeds, Marc Beauchamp, University of British Columbia
*Self-efficacy, other efficacy, and relation-inferred self-efficacy in elite athlete dyads: A qualitative investigation into antecedents and consequences*

4:00 – 5:15 pm — Motor Development Verbal Presentations (Cockatoo)

Title: Developmental Biomechanics

Presider: Jody L. Jensen, University of Texas

4:00 Anastasia Kyvelidou, Wayne Stuberg, Regina Harbourne, Stacey DeJong, Joan Deffeyes, Nick Stergiou, University of Nebraska, Omaha
*Postural control in typically developing infants and adults during sitting*

4:15 Joan Deffeyes, Regina Harbourne, Stacey DeJong, Wayne Stuberg, Anastasia Kyvelidou, Nick Stergiou, University of Nebraska, Omaha
*Severity of infant developmental delay can be assessed using variability measures of sitting postural sway*

4:30 Thomas Korff, Elaine L. Hunter, James C. Martin, Brunel University
*Development of maximum power production during multi-joint tasks in pre-pubertal children: The influence of inter-muscular coordination*

4:45 Jeffrey Haddad, Purdue University; Richard Van Emmerik, Joseph Hamill, University of Massachusetts
*Developmental changes in trunk-arm coordination during a standing precision manual task*
5:00 Linda Gagen, Old Dominion University; Kathleen Haywood, University of Missouri, St. Louis
Wrist lag using varied weight rackets in a tennis-striking task

6:00 – 7:15 pm — Human Kinetics Lecture (Toucan)
Presider: Maureen Weiss, University of Virginia
Speaker: Robert W. Schutz, Professor Emeritus, University of British Columbia
Measurement and statistics in kinesiology: Cinderella, wicked stepsister, or fairy godmother?

7:15 – 7:30 pm — Distinguished Scholar Award (Toucan)
Presider: Digby Elliott, McMaster University

7:30 – 10:00 pm — Wine and Cheese Reception (Location: Bayside)

Friday, June 8

7:30 am – 12:00 noon — Conference Registration (Boardroom)

Concurrent Sessions, 8:00 – 9:15 am

8:00 – 9:15 am — Motor Learning/Control Verbal Presentations (Toucan)
Title: Motor Deficits
Presider: Timothy Welsh, University of Calgary

8:00 Quincy Almeida and Kimberly Coros, Wilfred Laurier University
Influence of enhanced proprioceptive awareness on spatiotemporal aspects of gait in Parkinson’s disease

8:15 Kuan-yi Li, Paul Tuite, Howard Poizner, Juergen Konczak, University of Minnesota and University of California, San Diego
Kinaesthesia and the perception of hand trajectory curvature in Parkinson’s disease

8:30 Pooja Wasson, Hong Yu, Janey Prodoehl, Daniel Corcos, David Vaillancourt, University of Illinois at Chicago
Role of the basal ganglia in predicting pinch grip force

8:45 Jeffery Summers, Michael Garry, Wayne Dicker, University of Tasmania; James Cauraugh, University of Florida
Effects of EMG-triggered neuromuscular stimulation on motor function and cortical excitability in chronic stroke
9:00 Jarugool Tretriluxana, Carolee Winstein, James Gordon, University of Southern California
Right hemisphere specialization for transport-grasp coordination: Insight from a stroke model

8:00 – 9:15 am — Sport and Exercise Psychology Verbal Presentations (Macaw)

Title: Psychological Factors, Well-Being, and Performance
Presider: Walter Bixby, Elon University

8:00 Richard Ramsey, Jennifer Cumming, Chris Brunning, Sarah Williams, University of Birmingham
A PETTLEP-based imagery intervention with university soccer players

8:15 Amanda Rymal, Diane Ste-Marie, University of Ottawa
The influence of a self-modeling intervention on self-regulatory processes: A qualitative analysis

8:30 John Gotwals and John G.H. Dunn, University of Alberta
An examination of the relationship between sport-based perfectionism and competitive trait anxiety among male intercollegiate ice hockey players

8:45 Shelby Hinkle Smith, Clinton Community College, NY, Megan Babkes Stella, University of Northern Colorado
Cognitive dissonance in athletic hazing: The roles of commitment and athletic identity

9:00 Jennifer Cumming, Michelle Law, Tom Olphin, University of Birmingham
Self-reported psychological states and physiological responses to different types of motivational general imagery

8:00 – 9:15 am — Motor Development Verbal Presentations (Cockatoo)

Title: Perception-Action
Presider: Nida Roncesvalles, Texas Tech University

8:00 Matthias Weigelt, Mareike Wolfgram, and Thomas Schack, Bielefeld University, Germany
The developmental nature of the end-state comfort effect

8:15 Sunghan Lee and Carl Gabbard, Texas A & M University
Examining the effects of postural constraints on estimating reach

8:30 Alberto Cordova and Carl Gabbard, Texas A & M University
A developmental view of action processing via estimation of reachability
Concurrent Sessions, 9:30 – 10:45

9:30 – 10:45 — Motor Learning/Control Verbal Presentations (Toucan)

Title: Perception-Action

Presider: Diane Ste-Marie, University of Ottawa

9:30 Christopher Rhea and Shirley Rietdyk, Purdue University
Does varying amounts of optic flow prior to gait initiation alter kinematics?

9:45 Joern Munzert, Ernst-Joachim Hossner, University of Giessen and University of Greifswald
Self-other distinction in evaluating throwing distances

10:00 Matthew Ray, Timothy Welsh, Daniel Weeks, Deborah Dewey, Digby Elliott; University of Calgary, Simon Fraser University, and McMaster University
Between- and within-person inhibition of return effects in the movement of people with autism

10:15 Alberto Cordova and John Buchanan, Texas A & M University
Interpersonal coordination with and without the intention to synchronize actions

10:30 Ann Tuzson and Bradford Bennett, University of Virginia
Relative timing patterns of walking in children with cerebral palsy

9:30 – 10:45 — Sport and Exercise Psychology Verbal Presentations (Macaw)

Title: Youth Sport and Physical Activity

Presider: Cheryl Stuntz, St. Lawrence University

9:30 Lenny Wiersma and Angie Fifer, California State University, Fullerton
It’s our turn to speak: The joys, challenges, and recommendations of youth sport parents

9:45 Stacey Wisdom and Alan Smith, Purdue University
Peer relationship profile differences on moral reasoning in youth soccer

10:00 Ralph Maddison, Vaughan Roberts, Jane Magnusson, University of Auckland; Harry Prapavessis, University of Western Ontario
The utility of a revised social cognitive model to predict objective physical activity in adolescents

10:15 Valerie Hadd, Meghan McDonough, Peter Crocker, University of British Columbia, Purdue University
Managing stressful sport transactions: Adolescents’ coping behaviours pre-, during, and post-races throughout a swim season

10:30 Anne Cox, Illinois State University; Lavon Williams, Guilford College; Alan Smith, Purdue University
Motivation in physical education and physical activity behavior outside of school
9:30 – 10:45 — Interdisciplinary Verbal Presentations (Cockatoo)

Presider: Clark Dickin, University of Idaho

9:30 Barbi Law and Craig Hall, University of Western Ontario
Relationship between golfers’ skill level, age, and observational learning use

9:45 Robin Jackson, Bruce Abernethy, University of Hong Kong; Simon Wernhart, University of Graz
An expert (dis)advantage in perceptual skill? Susceptibility to deception when viewing normal and blurred motion

10:00 Bruce Abernethy, Annette Rayner, Edwin Hoy, Robin Jackson, University of Hong Kong, University of South Australia, and Nanyang Technological University
Loading a movement makes it easier to predict: An experimental test of the relationship between display kinematics, anticipation and expertise

10:15 Joerg Schorer, Joseph Baker, and Bernd Strauss, University of Muenster and York University
An exploratory study on the role of pre-experience for perceptual-cognitive skill in soccer coaches

11:00 am – 12:00 noon — Keynote Speaker, Sport and Exercise Psychology (Toucan)

Presider: Christopher Janelle, University of Florida

Speaker: Richard Ryan, University of Rochester
Motivation for Physical Activity: Research on Persistence, Performance, and Enjoyment in Sport, Exercise, and Everyday Life from a Self-Determination Perspective

Concurrent Sessions, 12:15 – 1:30 pm

12:15 – 1:30 pm — Motor Learning/Control Verbal Presentations (Toucan)

Title: Expertise/Attention

Presider: Matthew Heath, University of Western Ontario

12:15 Rob Gray, Arizona State University; Sian Beilock, University of Chicago
Expertise, execution, and attentional spillover in novice and expert golf putting

12:30 Clare MacMahon, Victoria University, Sue McPherson, Western Carolina University
Information usage in baseball strike zone decisions

12:45 Damian Farrow, Australian Institute of Sport
The effect of viewing perspective on decision-making performance in water polo

1:00 Rouwen Canal-Bruland and Bernd Strauss, University of Münster
Guiding visual attention: Verbal instructions vs. flicker cueing
1:15 Steven Passmore, Timothy Lee, Janet Starkes, Jim Lyons, McMaster University; Marije Elferink-Gemser, University of Groningen
The autonomic response and determinants of a hierarchical order of feature integration during simulated driving

12:15 – 1:30 pm — Sport and Exercise Psychology Verbal Presentations (Macaw)

Title: Environmental/Social Issues and Exercise Behavior
Presider: Kent Kowalski, University of Saskatchewan

12:15 Kim Shapcott, Shauna Burke, Albert Carron, University of Western Ontario
A qualitative examination of university students’ preferences for physical activity contexts

12:30 Kelly Arbour, Kathleen Martin Ginis, Shape-SCI Research Group, McMaster University
Does the environment matter? Exploring the role of the physical environment in predicting leisure-time wheeling among people with spinal cord injury

12:45 Jennifer Burgess and John Spence, University of Alberta
Eliminating hypothetical bias in a physical activity context: The effect of a corrective entreaty beyond willingness-to-pay studies

1:00 Oliver Webb, Kingston University; Frank Eves, University of Birmingham
Promoting stair climbing: The effects of message specificity and validation

1:15 Amy Latimer, Queens University; Kathleen Martin Ginis, McMaster University
Reflecting the role of self-awareness in mirrored exercise environments

12:15 – 1:30 pm — Motor Learning/Control Verbal Presentations (Cockatoo)

Title: Control/Aiming
Presider: Bradford Bennett, University of Virginia

12:15 Lawrence Grierson and Digby Elliott, McMaster University
Goal-directed aiming and the relative contribution of two on-line control processes

12:30 Wondae Kim, Carl Gabbard, John Buchanan, Younguk Ryu, Texas A & M University
Examining the relationship between limb selection and movement efficiency for reaching in hemispace

12:45 Mathias Hegele and Herbert Heuer, Leibniz Research Center for Working Environment and Human Factors, Germany
Feedback effects on the adaptation to a nonlinear visuo-motor transformation
1:00 Michael Trujillo, Posit Science Corp, CA, David Anderson, Ryan Streeter, Stephen Wallace, San Francisco State University
A test of the muscular effort-grip force compatibility hypothesis

1:15 Cheryl Glazebrook, David Gonzalez, Digby Elliott, McMaster University
The role of vision for online control of aiming movements in persons with autism

1:45 – 2:45 pm — Keynote Speaker, Motor Learning and Control (Toucan)
Presider: Sian Beilock, University of Chicago
Speaker: Guenther Knoblich, Rutgers University
Motor contributions to action perception or the couch potato’s way of exercising?

Concurrent Sessions, 3:00 – 4:45 pm

3:00 – 4:45 pm — Motor Learning/Control Symposium (Toucan)

Functional Brain Imaging of Action Observation: Implications for Skill Acquisition
Organizers: Stefan Vogt, Lancaster University; Mark Williams, Liverpool John Moores University
3:00 S. Vogt, S. Higuchi, N. Roberts, Lancaster University; Magnetic Resonance Imaging and Analysis Research Centre, University of Liverpool
Neural circuits involved in physical and observational practice of hand actions: A common pathway to skilled performance?
3:15 P.L. Gribble, University of Western Ontario
Motor learning by observing
3:30 K. Zentgraf and I. Munzert, University of Giessen
Sportive action observation, instructions, and motor imagery: Neurophysiological aspects
3:45 S.L. Beilock, A. Mattarella-Micke, I. Lyons, H. Nusbaum, S. Small, University of Chicago
Moving beyond the ice-rink: Hockey expertise drives more than just one’s slap shot
4:00 Guenther Knoblich, Rutgers University
Reaction

3:00 – 4:45 pm — Motor Development Symposium (Cockatoo)

Nonlinear Analysis Techniques in Motor Development
Organizers: R.T. Harbourne and N. Stergiou, University of Nebraska, Omaha
3:00 Nick Stergiou, University of Nebraska, Omaha
*Nonsignificant tools provide us with a viable alternative to investigate variability in motor development and control*

3:20 B.A. Smith, University of Michigan; N. Stergiou University of Nebraska, Omaha; B.D. Ulrich, University of Michigan
*A comparison of two surrogation algorithms to investigate stability and periodicity in toddler gait*

3:40 Regina Harbourne, Joan Deffeyes, Stacey DeJong, Wayne Stuberg, Anastasia Kyvelidou, Nick Stergiou, University of Nebraska Medical Center and University of Nebraska, Omaha
*Discriminant analysis and nonlinear variables used to identify postural control deficits in infants*

4:10 Max Kurz, Melissa Scott-Pandorf, Chris Arellano, University of Houston
*Influence of weight on the nonlinear structure of gait*

### 3:00 – 4:45 pm — Sport and Exercise Psychology Symposium (Macaw)

#### Physical Activity and Successful Aging

Organizer: Patricia Weir, University of Windsor

3:00 Patricia Weir, University of Windsor
*Symposium Introduction*

3:15 Sean Horton and Janice Deakin, Queens University
*Role models for seniors and society: Seniors’ perceptions of aging successfully*

3:30 A. Jane Logan and Joseph Baker, York University
*Cross-sectional and longitudinal profiles of age-related decline in golf performance*

3:45 Joseph Baker and A. Jane Logan, York University
*Varying doses of leisure-time physical activity and health in Canadian seniors*

4:00 Patricia Weir, University of Windsor
*Successful aging in Canadian seniors: The role of physical activity*

### 5:00 – 6:45 pm — Posters (Kon Tiki and Rousseau)

(Please see Friday Posters list on pages 19–27)

Presider: Jeffrey Fairbrother, University of Tennessee

### 7:30 – 10:00 — Graduate Student Meeting and Social
*(Cockatoo, then offsite location)*

Presider: Christopher Rhea, Purdue University
Saturday, June 9

7:00 – 8:00 am — Breakfast meeting for 2008 conference planning (Boardroom)

Digby Elliott, Maureen Weiss, Penny McCullagh, 2007 area program chairs (Sian Beilock, Christopher Janelle, Jody Jensen), and 2008 area program chairs

Concurrent Sessions, 8:00 – 9:00 am

8:00 – 9:00 am — Sport and Exercise Psychology Verbal Presentations (Macaw)

Title: Expertise, Automaticity, Effort, and Attention

Presider: Mark Williams, Liverpool John Moores University

8:00 Jasmin Hutchinson, Todd Sherman, Emory University; Gershon Tenenbaum, Florida State University; Nevena Martinovic, Emory University

*Perceived and sustained effort and task-related affect: The mediating role of self-efficacy*

8:15 Philip Furley and Daniel Memmert, University of Heidelberg

“I spy with my little eye!” Breadth of attention, inattentional blindness and tactical decision-making in team sports

8:30 Nikola Medic, Janet Starkes, McMaster University; Patricia Weir, University of Windsor; Bradley Young, University of Alberta

*Gender and age differences in the relative age effect among Masters swimming and track athletes*

8:45 William Land and Gershon Tenenbaum, Florida State University

*Facilitation of automaticity: Sport-relevant vs. non-relevant secondary tasks*

8:00 – 9:00 am — Motor Development Verbal Presentations (Cockatoo)

Title: Skill Development

Presider: Mary Rudisill, Auburn University

8:00 Jacqueline Goodway, Ohio State University; Harriet Amui, University of Winneba-Ghana

*Promoting motor development in disadvantaged preschoolers: To direct or facilitate?*

8:15 Ting Liu and Jody L. Jensen, University of Texas

*Effects of strategy use on children’s performance and learning in recall of pedaling cadences*

8:30 Jill Heathcock, University of Michigan, James Galloway, University of Delaware

*The effects of movement training on the development of hand reaching in infants born preterm*
8:45 Leah Robinson, Jacqueline Goodway, Robin Dunn, Erica Johnson, Lori Devins, Ohio State University
*Developmental changes in object control skills as a result of motor intervention in disadvantaged preschoolers*

8:00 – 9:00 am — Motor Learning/Control Verbal Presentations (Toucan)

**Title: Aging**

Presider: James Cauraugh, University of Florida

8:00 Naomi Kochi, Nick Stergiou, University of Nebraska, Omaha; James Cavanaugh, Duke University
*Linear and nonlinear measures of variability in step activity data reveal motor control strategies employed by relatively active and inactive older adults*

8:15 Heidi Ojha, Rebecca Kern, Chien-Ho Lin, University of Southern California and Kern & Associates Physical Therapy
*Aging increases attentional demands of stair climbing: Findings from a dual-task paradigm*

8:30 Jacob Sosnoff, University of Illinois; Andrew Vallantine, Karl Newell, Pennsylvania State University
*Aging, loss of complexity or loss of adaptability*

8:45 Caroline Ketcham, Tiffany Rodriguez, Renee Carter, Texas A & M University
*Influence of target size and movement direction in two-segment aiming movements in healthy young and elderly adults, and individuals with Parkinson’s disease*

9:15 – 11:00 am — Senior Lecturers (Toucan)

Presider: Maureen Weiss, University of Virginia

Janet Starkes, McMaster University
*Understanding expert performance: Beyond what to the how and what ifs!*

Tara K. Scanlan, University of California, Los Angeles
*Growing our science through mixed-methods research*

Jo-Anne C. Lazarus, University of Wisconsin, Madison
*Two hands, one brain, infinite actions: Contributions from development and pathology*

11:15 am – 12:30 pm — Business Meeting (Toucan)
**Concurrent Sessions, 12:45 – 2:00 pm**

**12:45 – 2:00 pm — Motor Development Verbal Presentations (Cockatoo)**

**Title: Special Populations**

Presider: Jill Whitall, University of Maryland, Baltimore County

12:45 Eric James, S. Lee Hong, Karl Newell, Pennsylvania State University  
*Aging alters coupling and irregularity in finger posture and movement*

1:00 Suely Santos, Paula Gehring, Marco Bertolassi, Marcelo Eduardo de Souza Nunes, Luciano Basso, Cassio Meira, Jr., University of Sao Paulo  
*Motor performance and aging: Is there any difference between 60 and 86 years old?*

1:15 Caroline Teulier, Nick Rademacher, Victoria Moerchen, Beverly Ulrich, University of Michigan and University of Wisconsin  
*Specificity of the developmental trajectory of lower limbs in babies with spina bifida*

1:30 Jianhua Wu, Julia Looper, Dale Ulrich, Rosa Angulo-Barroso, University of Michigan  
*Strategy adoption and locomotor adjustment in obstacle negotiation in toddlers with typical development*

1:45 Chad Tiernan, Rosa Angulo-Barroso, Dale Ulrich, Amy Burghardt, University of Michigan  
*Treadmill response and physical activity levels in infants at risk for cerebral palsy*

**12:45 – 2:00 pm — Sport and Exercise Psychology Verbal Presentations (Macaw)**

**Title: Exercise, Motivation, and Affect**

Presider: Philip Sullivan, Brock University

12:45 Anne Haase and Florence Kinnafick, University of Bristol  
*What factors drive regular exercise behavior? Exploring the concept and maintenance of habitual exercise*

1:00 Amy Welch, Iowa State University; Angie Hulley, University of Leeds; Mark Beauchamp, University of British Columbia  
*When Is It Going To End? Manipulating cognitive appraisal of acute aerobic exercise and its influence on temporal perceptions of affect and self-efficacy*

1:15 Shaelyn Strachan and Larry Brawley, University of Saskatchewan  
*Exercise identity moderates the strenuous exercise intention-behavior relationship*

1:30 Damian Stanley and Jennifer Cumming, University of Birmingham  
*Exercise imagery use and its relationship with cognitive, affective, and behavioral outcomes to exercise*
1:45 Walter Bixby, Lauren Nowlan, Amanda Davis, Paul Miller, Eric Hall, Elon University
Is affect related to physiological factors? An examination of the dual-mode model.

12:45 – 2:00 pm — Motor Learning/Control Verbal Presentations (Toucan)

Title: Attention and Memory

Presider: Gabriele Wulf, University of Nevada, Las Vegas

12:45 Thomas Schack and Matthias Weigelt, Bielefeld University
Representation of complex motor skills in long-term memory

1:00 Norbert Hagemann and Jan Christoph Boldt, University of Muenster
The spatiotemporal course of visual information pick-up in tennis

1:15 Laura Higgins and Timothy Welsh, University of Calgary
Visual selective attention and distractor interference

1:30 Mark Fischman, Auburn University
Revelations from Frank Henry: Unraveling the mystery of the memory drum theory’s “C” response

2:15 – 3:15 pm — Keynote Speaker, Motor Development (Toucan)

Presider: Jody L. Jensen, University of Texas
Speaker: Scott Robinson, University of Iowa
Action and Experience during Perinatal Motor Development

Concurrent Sessions, 3:30 – 4:45 pm

3:30 – 4:45 pm — Motor Development Verbal Presentations (Cockatoo)

Title: Coordination and Control

Presider: Thomas Korff, Brunel University

3:30 Julia Looper, Jianhua Wu, Dale Ulrich, Rosa Angulo-Barroso, University of Michigan
Spatiotemporal gait parameters in toddlers with typical development and at-risk for cerebral palsy

3:45 Chia-Lin Chang, Masayoshi Kubo, Beverly Ulrich, University of Michigan, University of Delaware
Muscle activity during walking in toddlers with and without Down syndrome

4:00 Chia-Lin Chang, Beverly Ulrich, University of Michigan
The relationship between muscle strength and walking in people with spina bifida
4:15 Meghann Lloyd, Amy Burghardt, Dale Ulrich, Rosa Angulo-Barroso, University of Michigan *Relationship between early physical activity and motor milestone achievement in infants with Down syndrome*

**3:30 – 4:45 pm — Sport and Exercise Psychology Verbal Presentations (Macaw)**

**Title: Physical Activity and Special Populations**

Presider: Diane Mack, Brock University

3:30 Jill Norris, Nicole Culos-Reed, University of Calgary; Linda Carlson, Tom Baker Cancer Centre; Susi Hately Aldous, Functional Synergy Inc.  
*Utilizing the Theory of Planned Behavior for understanding yoga participation in cancer survivors*

3:45 Rebecca Bassett, Kathleen Martin Ginis, McMaster University; Amy Latimer, Queens University  
*Wheeling for fitness in people with SCI: What’s pain got to do with it?*

4:00 Chad Rethorst, Bradley Wipfl, Daniel Landers, Arizona State University  
*The effect of exercise on depression: Examining clinical significance*

4:15 Julia Devonish, Nicole Culos-Reed, Melanie Keats, Lynette Stephenson, University of Calgary  
*Physical activity for cancer survivors: Fitness and QOL results from a 16-week intervention*

**3:30 – 4:45 pm — Motor Learning/Control Verbal Presentations (Toucan)**

**Title: Learning and Performance**

Presider: Charles Shea, Texas A & M University

3:30 Melanie Krueger, Thomas Muehlbauer, Stefan Panzer, University of Leipzig; Charles Shea, Texas A & M University  
*The coding and retention of movement sequences*

3:45 Ernst J Hossner, University of Greifswald  
*End-state comfort in sequenced actions: Evidence for learning effects*

4:00 Tino Stöckel, Matthias Weigelt, Jürgen Krug, University of Leipzig, Bielefeld University  
*Contralateral sequence effects in the acquisition of a basketball dribbling skill in school children*

4:15 Yeou-Teh Liu, National Taiwan Normal University; Gottfried Mayer-Kress, Karl Newell, Pennsylvania State University  
*Self-organized criticality predicts success rates in a self-paced motor learning task*

4:30 Kelly Gamble, Stephen Coombes, Reid Savid, James Cauraugh, Christopher Janelle, University of Florida  
*Motivational direction and premotor reaction time: Understanding the impact of emotion on movement*
5:00 – 6:45 pm — Posters (Kon Tiki and Rousseau)
(Please see Saturday Posters list on pages 27–35)
Presider: Windee Weiss, University of Northern Iowa

7:00 – 10:00 pm — Dinner and Banquet (Location: Bayside)

Sunday, June 9

8:00 – 10:00 am — Executive Committee Meeting
(Continuing, Incoming, and Outgoing) (Location: Boardroom)

Friday Posters (Kon Tiki and Rousseau)

5:00 – 6:45 pm
Presider: Jeffrey Fairbrother, University of Tennessee

Aiming and Grasping

1. Three-dimensional manual responses to unexpected target perturbations during rapid aiming movements. Steve Hansen and Digby Elliott, McMaster University
2. Assembling reciprocal aiming actions from different motor primitives: Transitions between units of action. Noah Dean, John Buchanan, Texas A & M University
3. Bamboozled and confused: Execution and anticipation errors during goal-directed aiming. Steve Hansen, Cheryl Glazebrook, Andrea Jones, Ellie Clin, Digby Elliott, McMaster University and Queens University
5. Integrating allocentric and egocentric visual reference frames for manual aiming. Lauren Dickson, Gordon Binsted, University of Saskatchewan, Matthew Heath, University of Western Ontario
6. Contextual interference and parameter switching as sources of error in sequential aiming movements. David Sherwood, University of Colorado
7. Prediction of final pointing errors using gaze and body orientations. Jan Hondzinski and Taegyong Kwon, Louisiana State University
8. COP velocity related measures characterize differences in postural control during reaching. Anne Galgon, Patricia Shewokis, Drexel University, Carole Tucker, Shriners Hospital for Children, Philadelphia
9. Do the predictions of the end state comfort hypothesis apply to grasping strategies of typically developing children? Dawn Lantero, Texas State University
10. Planning constraints in bimanual grasping and placing of objects. Charmayne Hughes, Purdue University, Liz Franz, University of Otago

Motor Skill Development and Intervention

11. Development level variability of a basic motor skill as a systemic practice function. Jorge Alberto de Oliveira, Suely Santos, Go Tani, University of São Paulo

12. Accelerometer measurement validation: Association of accelerometer data with acceleration units with students engaged in and the instructors of a mastery motivation physical play program. Paul St. Onge, Loraine Parish, Charles Farquar, Brad Bumgardner, Casey Breslin, Mary Rudisill, Auburn University

13. Toddlers’ heart rate profiles following participation in a mastery motivational physical play program. Paul St. Onge, Loraine Parish, Mary Rudisill, Auburn University

14. Mastery motivational motor skills program: Influence on heart rate and physical activity levels in pre-service teachers. Loraine Parish, Paul St. Onge, Charles Farquar, Casey Breslin, Mary Rudisill, Auburn University

15. Fundamental motor skills: A description of the most common errors demonstrated by children. Nadia Valentini, Barbara Spessato, Universidade Federal do Rio Grande do Sul, Mary Rudisill, Auburn University

16. Two case studies of an intervention of interfaced phonological processing and motor tasks with second graders. Kathleen Haywood, Megan Franke, University of Missouri, St. Louis

17. Needs assessment of the object controls skills of African American and Hispanic Pre-schoolers who are at-risk. Jacqueline Goodway, Leah Robinson, Ohio State University, Harriet Amui, University of Winneba-Ghana


Coordination, Control, Variability, and Timing

20. Segmental interaction when throwing: Constraining the distal segment. Dan Southard, Texas Christian University


22. A coordinative structure in the timing of baseball hitting. Hiromu Katsumata, Daito-Bunka University, Japan

23. Do perceptual constraints limit the intentional control of motor-respiratory coordination? Laura Gonzales, Eric Hessler, Polemnia Amazeen, Arizona State University
24. Interlimb transfer: Effector independence and effector specificity. Qin Lai, Demetra Panayiotou, Wayne State University, Attila Kovacs, Texas A & M University

25. Interlimb versus intralimb anchoring in a novel bimanual coordination pattern. Dana Maslovat, Kirstin Brunke, Melanie Lam, David Goodman, Romeo Chua, Ian Franks, University of British Columbia and Simon Fraser University

26. Interlimb and intralimb coordination of bimanual ellipse drawing. Tiffany Rodriguez and Caroline Ketcham, Texas A & M University

27. The interaction of fixed point shift with arm dominance in a bimanual circle tracing task. John Buchanan, Texas A & M University

28. Coordination in a bimanual perturbation task. Andrea Mason and Jennifer Bruyn, University of Wisconsin

29. Movement variability of the upper body and metabolic cost during walking at different stride frequencies. Richard Van Emmerik, William McDermott, Jebb Remelius, Joseph Hamill, University of Massachusetts

30. Timing accuracy and smoothness of movement when speeding up and slowing down. Nicole Rheuma, Breeana Studenka, Howard Zelaznik, Purdue University, Raoul Huys, Viktor Jirsa, University of Marseilles

31. Effects of eye rotation constraints on head-trunk coordination during circular path walking. Kijima Akifumi, Fukuyama Heisei University, Japan

32. Can passive dynamic walking robots provide insights on nonlinear gait dynamics? Max Kurz, Tim Judkins, Melissa Scott-Pandorf, Chris Arellano, University of Houston and University of Maryland

33. Regulation of stroke in swimming crawl stroke finish. Wang Ning, Yeou-Teh Liu, National Taiwan Normal University

34. The effect of task constraints on performance distribution. Tsung Yu Hsieh, Yeou-Teh Liu, National Taiwan Normal University, Gottfried Mayer-Kress, Karl Newell, Pennsylvania State University

35. Listen: Is your car trying to tell you something? Thea Rotteau, Dave Gonzalez, James Lyons, McMaster University

36. Impact of varied fatigue protocols on postural sway in altered sensory environments. Clark Dickin, University of Idaho, Jon Doan, University of Lethbridge

37. The role of postural support in the control of kicking. Ben Sidaway, David Anderson, Matt Bouchard, Julie Chasse, Jon Dunn, and Andrea Guvoni, Husson College and San Francisco State University

38. One-legged postural stability predicts kicking velocity and accuracy. Tracey Chew-Bullock, Anthony Mayo, Robert Schleihauf, Ryan Streeter, Ben Sidaway, David Anderson, San Francisco State University and Husson College

39. Postural control in professional ballet dancers. Adam Kiefer, University of Cincinnati, Sarah Cummins-Sebree, Raymond Walters College, OH, Michael Riley, University of Cincinnati, Jacqui Haas, Cincinnati Ballet Company

40. Movement-related cortical potentials associated with increment and decrement of force during isometric force variability and cardioballistic impulse. Huai-Hsiao Chiang, Shein-Shou Huang, Chung-Yuan Christian University
41. Force variability and cardioballistic impulse. Jacob Sosnoff, Stefani Voudrie, Sae Young Jae, Kevin Heffernan, Bo Fernhall, University of Illinois at Urbana-Champaign

42. Does discrete force error impact continuous force production? Edward Ofori, Jacob Sosnoff, University of Illinois at Urbana-Champaign

43. Physical activity and variability of cognitive processing. Jacob Sosnoff and Jean Samson, University of Illinois at Urbana-Champaign

44. Accuracy and variability of grip force output with different voluntary-opening prehensors. Ryan Streeter, Anthony Mayo, Mary Tran, Stephen Wallace, David Anderson, San Francisco State University

45. The significance on countermovement in cut-maneuver control. Kenichiro Imamura, Keio University, Japan

46. Kicking coordination captures differences between premature infants with white matter disorder and comparison groups at 1 and 5 months. Inbal Sapir, Boston University, Linda Fetters, University of Southern California, Yuping Chen, University of Massachusetts

47. Comparing balance and posture control mechanisms among children with ADHD under both “OFF” and “ON” medication conditions. Karen Aranha, Maria Nida Roncesvalles, Texas Tech University

48. Finger tremor characteristics depend on the level of mental retardation. Katherine Deutsch, Robert Sprague, Karl Newell, Pennsylvania State University and University of Illinois

49. The change of postural control abilities on the development of locomotion in children. Minjoo Kim, Seon Jin Kim, Jehkwang Ryu, Sang Hee Lee, Seoul National University

50. UCM analysis of variability in head movement during level walking in healthy children and young adults. Jianhua Wu, University of Michigan

51. Speed-accuracy trade-off in cyclic and discrete tasks. Victor Hugo Okazaki, Fábio Heitor Okazaki, Luiz Teixeira, University of São Paulo

**Perception and Action**

52. Perceptual processing time differences due to visual field asymmetries. Anthony Carlsen, Dana Maslovat, Romeo Chua, Ian Franks, University of British Columbia

53. Perception of single limb multi-joint relative phase patterns. Attila Kovacs, John Buchanan, Texas A & M University

54. Now you see it, now you don’t: Intermittent vision in one-handed catching. Simon Bennett, Liverpool John Moores University, Matthieu Lenoir, Liesbeth Mazyn, Ghent University

55. Visual search behavior in skateboarding. Kento Takeishi, Tran Mykha, Tomohisa Nagano, Takaaki Kato, Keio University, Japan

56. Visual behaviors of soccer players while kicking with inside of the foot. Tomohisa Nagano, Takaaki Kato, Keio University, Japan
57. How do national badminton players utilize advanced visual cue to anticipate an attacker’s intent? Seonjin Kim, Seungmin Lee, Donghyun Ryu, Chungil Kim, Sooyoun Lee, Seoul National University

58. Anticipation of tennis serves from computer graphics animation. Kazunobu Fukuhara, Hirofumi Ida, Motonobu Ishii, Tokyo Institute of Technology and Kanagawa Institute of Technology

59. Location of stationary visual references alters center of pressure displacement. Leigh Schanfein, Shirley Rietdyk, Purdue University

60. Can the processing of visually-masked stimuli during rapid target-directed actions be mediated by the dorsal stream? Erin Cressman, Ian Franks, James Enns, Romeo Chua, University of British Columbia

61. Visual fixation effects on quiet standing: Yoginis versus controls. Tobin Silver, Shirley Rietdyk, Purdue University

62. The effect of fixation distance on reaction times for the peripheral visual field. Masahiro Kokubu, Soichi Ando, Shingo Oda, Kyoto University and Osaka University

63. Effects of lifting on the perception of weight. Eric Amazeen, Philip Tseng, Andre Valdez, Diego Vera, Arizona State University

64. Thinking upside-down: The perception of human body rotation. Jonas Contakos, Les Carlton, University of Illinois at Urbana-Champaign

65. Affordance for the preferred orientation for line drawing in an East Asian sample. Ying Hwa Kee, Yeou-Teh Liu, Tsung-Yu Hsieh, National Taiwan Normal University

Imagery

66. Effects of biofeedback and imagery on learning a complex balance task. Steven Radlo, Western Illinois University

67. Different imagery ratios effects on teenage gymnasts’ floor routine performance. Adrian Popescu, University of Alberta

68. Imagery intervention with youth swimmers. Wade Wilson, Krista Munroe-Chandler, University of Windsor, and Craig Hall, University of Western Ontario

69. The effect of an imagery intervention on pre-competitive anxiety and stress levels of Brazilian junior tennis players. Ricardo Coelho, Birgit Keller, Fabio Okazai, Suzane Oliveira, Ana Braga, Universidade Federal do Paraná

70. The effects of competition and neutral environments on the development of imagery skills in competitive and recreational swimmers. Adam Sunderland, Laurentian University

71. How college basketball coaches advise their athletes to use imagery in practice settings. Jayden Olson, Sandra Short, Martin Short, University of North Dakota

72. “Imagine that…” How coaches advise their athletes to use imagery in practice settings. Megan Kelling, Sandra Short, Lindsay Ross-Stewart, University of North Dakota
73. Preventing performance breakdown during competitive and pressure situations with anxiety-symptomatic imagery for self-paced tasks. Derek de la Pena, University of Houston, Nicholas Murray, East Carolina University

74. Estimating reach via visual imagery and motor imagery. Carl Gabbard, D. Ammar, Texas A & M University

75. It’s all in the mind: The effects of stimulus- and response-oriented imagery on grip strength. Bradley Wiest, Danielle Cribb, Bruce Hale, Daniel Russell, Penn State-Berks

**Social Influence: Adults and Peers**

76. Rules for parents in youth sport? Opinions of children and their parents. Nicholas Holt, Danielle Black, Katherine Tamminen, University of Alberta

77. Parenting styles and specific parenting strategies in youth sport. Nicholas Holt, Danielle Black, University of Alberta

78. Adolescent body satisfaction: The role of perceived parental encouragement to physical activity. Jennifer DiNallo, Jennifer Savage, Daniell Symons Downs, Pennsylvania State University

79. Expectancy-value beliefs and behavioral involvement of parents, children’s perceived quality of parents’ involvement, children’s expectancy-value beliefs, and sport participation. Chu-Min Liao, Ya-Hsin Lai, Chun-Chieh Hsiao, Chang-Pang Lin, Ya-Ting Shang, Ling-Wen Huang, National College of Physical Education and Sports, Taiwan

80. Attachment relationships and physical activity motivation of college students. Sarah Ullrich-French, Alan Smith, Purdue University

81. Profiles of multiple attachment relationships are salient to physical activity motivation. Sarah Ullrich-French, Alan Smith, Purdue University

82. Social influence and physical activity in adolescents: Does level of physical activity matter? Kathleen Wilson, Kevin Spink, Karen Chad, Louise Humbert, Nazeem Muhajarine, Pat Odnokon, University of Saskatchewan

83. Parental response to lapses in child’s physical activity: To control or not to control. Kathleen Wilson, Kevin Spink, Carly Whittaker, University of Saskatchewan

84. Perceived social influence on disordered eating correlates of collegiate female gymnasts. Jessica Doughty, Heather Hausenblas, University of Florida

85. Gender differences in athletes’ social support during injury rehabilitation. Ian Mitchell, Richard Neil, Ross Wadey, Sheldon Hanton, University of Wales Institute, Cardiff

**Youth Sport, Physical Activity, and Health Indices**

86. Positive youth development through sport: Comparison of participants in The First Tee life skills programs with participants in other organized activities. Maureen Weiss, Nicole Bolter, Jennifer Bhalla, Melissa Price, University of Virginia
87. Physical activity behaviors in school-aged children. Louise Foley, Harry Prappavessis, Shauna Burke, Erin McGowan, University of Western Ontario, Ralph Maddison, Lisa Gillanders, University of Auckland

88. Association between motor skill competence and health-related physical fitness. David Stodden, Stephen Langendorfer, Mary Ann Roberton, Lauren Kelbley, Bowling Green State University

89. Longitudinal changes in the adiposity of child cohorts. Kyle Morrison, Crystal Branta, Sheila Kelly, David Wisner, Vern Seefeldt, John Haubenstricker, Michigan State University

90. BMI differences between children ages 5-9 in California and Michigan. Sheila Kelly, Crystal Branta, Kyle Morrison, Vern Seefeldt, John Haubenstricker, Michigan State University

91. Health behaviors: Addressing the gap in pediatric cancer care. Melanie Keats, Nicole Culos-Reed, University of Calgary

92. Hypopituitarism following multiple concussions: A case study and primer for exercise neuroscientists. Jeff Ives, Ithaca College, Susan Stred, Upstate Medical University, NY

93. Rep Leagues vs. House Leagues: Relative age and injury risk in Canadian youth ice hockey. Nick Wattie, Stephen Cobley, Alison Macpherson, Andrew Howard, William Montelpare, Joseph Baker, York University, Leeds Metropolitan University, Hospital for Sick Children, ON, Lakehead University

94. Physical fitness as a predictor of cognitive functioning in healthy children. Nadja Schott, University of Giessen

Aging

95. Age-related differences in locomotor targeting and step length regulatory behavior. William Berg, Lindsey Monterotti, Miami University, OH, Leslie Murdock, Wright State University

96. Manual asymmetries and hemispatial differences for movement planning in goal directed aiming movement with age. Jinyoung Huh, Hun-Hyuk Choi, Hyounsoo Kwon, Dankook University

97. Sensorimotor adaptation in early and late working age. Mathias Hegele, Herbert Heuer, Leibniz Research Center for Working Environment and Human Factors, Germany

98. Age-related segment contribution in trunk-assisted prehension. Tania Flink, George Stelmach, Arizona State University

99. Age-related differences in walking stability at different speeds. Kristin Lowry, Iowa State University, John Kerr, Voxel Research, IA, Ann Smiley-Oyen, Iowa State University

100. Changes in postural dynamics as a function of task constraints in elderly women. Jonas Contakos, Jacob Sosnoff, Edward McAuley, Karl Rosengren, University of Illinois at Urbana-Champaign

101. Relative age effect in Masters sports: A replication and extension. Nikola Medic, Janet Starkes, McMaster University, Patricia Weir, University of Windsor, Bradley Young, University of Alberta
102. Physical activity in older asthmatics: Do age-related changes in mental and self-perceived health have an impact? Shilpa Dogra, Brad Meisner, Joseph Baker, York University

103. Change in physical activity beliefs among culturally diverse older adults. Iina Antikainen, Rebecca Ellis, Maria Kosma, Louisiana State University

104. Study on effective lighting and visual information for walking control of older subjects. Nana Itoh, National Institute of Advanced Industrial Science and Technology

Special Populations

105. Drumming movements are more precise with visual instructions for adults with Down syndrome. Shannon Ringenbach, Genna Mulvey, Christina Beachy, Arizona State University

106. Variability in “stable” walkers with typical development and with Down syndrome: Controlled or uncontrolled? David Black, Beth Smith, Jianhua Wu, Beverly Ulrich, University of Michigan


108. Throwing and catching in children with Developmental Coordination Disorder (DCD). Nadja Schott, Robert Rhode, University of Giessen


110. Pain perception, depression and reaction time in women with fibromyalgia syndrome. Sabrina Sanches, Caroline Luft, Alessandra Fonseca, Viviane Gonçalves, Alexandre Andrade, University of Santa Catarina State


112. Stroke motor recovery evidence: Bilateral coordination training with an extra load on the unimpaired hand. James Cauraugh, Stephen Coombes, University of Florida, Jeffery Summers, University of Tasmania

113. Functional reach-to-grasp actions: A new instrument for quantification of recovery after hemiparetic stroke. Maureen Whitford, Jarugool Tretriluxana, Carolee Winstein, University of Southern California


Group Processes

115. The effects of team building on the adherence patterns of youth exercise participants. Mark Bruner, Kevin Spink, University of Saskatchewan
116. Influence of collective efficacy beliefs on the formation of team attributions. Graig Chow, Deborah Feltz, Michigan State University

117. Team-referent attributions: A multilevel analysis. Kim Shapcott, Albert Carron, University of Western Ontario, Iain Greenlees, University of Chichester

118. Baseball fans’ reasons for supporting a team, attributions to team performance, and fan loyalty. Chu-min Liao, Ling-Wen Huang, Yu-Wen Ho, Wen-Chun Yu, Chia-Hsiiu Hsu, Kuo-Fong Pan, National College of Physical Education and Sports, Taiwan

119. Effect of interdependence and gender on team cohesion and performance. Craig Paiement, Danielle Bischoff, Castleton State College

120. Investigating the processes that contribute to enhanced coordination in rugby union teams. Kylie Wilson, University of Wales, Steve Mellalieu, Swansea University

121. The psychosocial dynamics of organizational effectiveness: Common themes throughout the mainstream and sport literatures. Sarah Lee, Christopher Wagstaff, David Fletcher, Sheldon Hanton, Hartpury College, University of Wales, Cardiff, and University of Essex

122. The effect of uniform color on athletes’ readiness for competition and perceptions of opponents’ attributes. Julie LeMaire, Sandra Short, Lindsay Ross-Stewart, Martin Short, University of North Dakota

123. The influence of paternalistic leadership in athlete burnout. Chee Liou, Overseas Chinese Institute of Technology, Taiwan, Ying-Mei Tsai, Central Taiwan University of Science and Technology Lung Hung Chen, National College of Physical Education and Sports, Ying Hwa Kee, National Taiwan Normal University

Saturday Posters (Kon Tiki and Rousseau)

5:00 – 6:45 pm

Presider: Windee Weiss, University of Northern Iowa

Observational Learning and Skill Transfer

1. The role of verbal cues in visual search behavior during observational learning. Cheryl Coker, New Mexico State University

2. Coping vs. mastery: Does model type and practice format have interactive effects on self-efficacy expectations, perceived task difficulty, and performance of a balance task? Richard Ramsey, Jennifer Cumming, Victoria Mathews, Kelly Binstock, Matthew Robson, University of Birmingham


4. Eye movements during observation facilitate motor learning. Spencer Hayes, Simon Bennett, Liverpool John Moores University
5. The effects of positive video modeling during warm-up. Christopher Bertram, Anita Cote, Matt Brown, Mark Guadagnoli, Nate Palomaria, University College of the Fraser Valley, University of Nevada, Las Vegas
6. Auditory model: Effects on learning under random and blocked practice schedules. Dong-Wook Han, Charles Shea, Texas A & M University
7. Motor learning and auditory information: Is movement sonification efficient? Alfred Effenberg, Andreas Weber, Klaus Mattes, Ursula Fehse, Heinz Mechling, University of Cologne, University of Bonn, and University of Hamburg
8. Sequence learning: Extended practice and effector transfer. Attila Kovacs, Charles Shea, Texas A & M University
9. The transfer of movement sequences: Effects of decreased and increased load. Thomas Muehlbauer, Stefan Panzer, University of Leipzig, Charles Shea, Texas A & M University

Skill Learning and Feedback

12. Motor programming for speech sequences. Joohyun Rhee, Amber Vaculin, David Wright, Texas A & M University
13. Implicit learning of an embedded regularity in children using an SRT task in a virtual reality environment. Rose Martini, Ebony St. Rose, Diane Ste-Marie, Heidi Sveistrup, University of Ottawa
14. The influence of task difficulties on learning a balance task. Ya-Ting Yen, Yeou-Teh Liu, National Taiwan Normal University
15. Effect of choice in motor learning. Nicolas Schweighofer, University of Southern California
16. The influence of preceding information on implicit and explicit perceptual training of baseball batters. Yufu Miki, Hiroshi Sekiya, Hiroshima University
17. Low and away: Do spatial representations of the tonal pitch height extend to the horizontal plane. David Gonzalez, Thea Rotteau, James Lyons, McMaster University
18. Effects of summary knowledge of results and error estimation in motor learning: An EMG study. Tiffany Liggins, Yuhua Li, Lyndsie Stephens, Qin Lai, University of Memphis and Wayne State University
20. Specificity of practice in baseball batting. Sandee Scott, Robert Gray, Arizona State University
21. Kinesthetic versus self-guided practice in performance enhancement. Lorelei Grosser, Mark Guadagnoli, Christopher Bertram, University of Nevada, Las Vegas, University College of the Fraser Valley
22. The effectiveness of combining kinesthetic practice with custom-fitted equipment on golf swing performance. Christopher Bertram, Mark Guadagnoli, Sean Hayes, University College of the Fraser Valley, University of Nevada, Las Vegas
23. Learning robotic surgical skills with a virtual reality environment. Dimitrios Katsavelis, Ka-Chun Siu, Bernadette Brown-Clerk, Irene Lee, Oleynikov Dmitry, Nick Stergiou, University of Nebraska, Omaha
24. Nonlinear analysis validates the need to learn a surgerical skill. Ka-Chun Siu, Irene Lee, Bernadette Brown-Clerk, Dimitrios Katsavelis, Dmitry Oleynikov, Nick Stergiou, University of Nebraska, Omaha
25. Concurrent visual feedback in learning a complex balance task. Noreen Goggin, Jeff Goodwin, University of North Texas
27. The trial-by-trial effects of visual feedback uncertainty in manual aiming. Darian Cheng, Luc Tremblay, Marlene Luis, University of Toronto
28. Examining action-effects in the execution of a skilled soccer kick through erroneous feedback. Paul Ford, Nicola Hodges, Mark Williams, Liverpool John Moores University and University of British Columbia
29. Learning effects of self-controlled, best-trial and worst-trial feedback schedules on an interception task. Justin Barney, Timothy Lee, McMaster University
30. Specificity of feedback and perceived difficulty of a putting task. Mark Guadagnoli, Lorelei Grosser, Samuel Hunt, Tisheena Jones, and Kristina Lundquist, Christopher Bertram, University of Nevada, Las Vegas, University College of the Fraser Valley
31. Learning effect of self-controlled feedback by index of difficulty on golf putting task. Jihyun Ko, Seonjin Kim, Yongvin Kim, Seoul National University
32. Reduced feedback beyond the challenge point during practice in children interferes with temporal parameter learning. Hui-Ting Goh, Shailesh Kantak, Kathy Sullivan, University of Southern California
33. The development of passive motion sensitive in late childhood and early adolescence. Kristen Pickett, Juergen Konczak, University of Minnesota
34. A review of the National Academies Keck Futures Initiative Smart Prosthetics: Exploring assistive devices for the body and mind conference. Patricia Shewokis, Drexel University, Bradford Bennett, University of Virginia
Affect, Anxiety, Stress, and Coping

35. Effects of trait anxiety and emotional state on simple and choice reaction time. Reid Savid, Stephen Coombes, Christopher Janelle, University of Florida
36. Emotional arousal modulates pinch grip stability when visual feedback is occluded. Stephen Coombes, Kelly Gamble, Reid Savid, James Cauraugh, Christopher Janelle, University of Florida
37. The impact of affective state on sustained force production post stroke. Stephen Coombes, Reid Savid, Christopher Janelle, James Cauraugh, University of Florida
38. Relationships among attention, kinematics, and performance of a golf putting task under pressure. Yoshifumi Tanaka, Hiroshi Sekiya, Hiroshima University
39. Kinematic changes in a single-joint movement under pressure. Hiroshi Sekiya, Hiroshima University
40. Influence of practice and pressure on compensatory movements of a ball throwing task. Hiroshi Sekiya, Kensuke Urimoto, Hiroshima University
41. Effects of varying levels of stress on balance acquisition. Ronald Benedict, Qin Lai, Wayne State University
42. Cognitive appraisal of stressors encountered in sport organisations. Sheldon Hanton, Christopher Wagstaff, University of Wales Institute, Cardiff, David Fletcher, University of Essex
43. Coping with stressors encountered in sport organizations. Christopher Wagstaff, Sheldon Hanton, University of Wales Institute, Cardiff, David Fletcher, University of Essex
44. Competitive anxiety in handicapped athletes. Ricardo Brandt, Whyllerton Mayron da Cruz, Carlos Alberto Rocha, Alexandre Andrade, Maick Viana, University of Santa Catarina State
45. Independent and interactive effects of task and ego orientations in predicting competitive trait anxiety among college-age athletes. Chris Eisenbarth, University of Idaho, Linda Petlichkoff, Boise State University
46. Qualitative research on the mechanism of choking under pressure. Takayuki Murayama, Hiroshi Sekiya, Hiroshima University
47. The mechanisms underlying the relationship between basic psychological skills usage and competitive anxiety responses. Ross Wadey, Sheldon Hanton, University of Wales Institute, Cardiff
48. Anxiety performance relationships in rugby union. Richard Neil, Stephen Mellalieu, Kylie Wilson, Sheldon Hanton, University of Wales Institute, Cardiff and Swansea University
49. Temporal patterning of precompetitive state anxiety symptoms in female netballers. Richard Neil, Stephen Mellalieu, Sheldon Hanton, Ian Mitchell, University of Wales Institute, Cardiff and Swansea University
50. Another air ball? Or have you been schooled? An investigation into the relationship between anxiety and basketball performance. Richard Neil, Stephen Mellalieu, Sheldon Hanton, Joe Taylor, University of Wales Institute, Cardiff and Swansea University
51. The relationship of self-esteem and perceived stress in female volleyball players. Fábio Heitor Okazaki, Ricardo Coelho, Universidade Federal do Paraná Victor Hugo Okazaki, Universidade de São Paulo, Birgit Keller, Universidade Federal do Paraná, Brazil

52. Thriving in the face of adversity: Applying the resiliency model to high level athletes. Nick Galli, University of Utah, Robin Vealey, Miami University

53. Components of mental resilience: Effects of comprehensive stress management and prevention. David Chen, Andrew Park, California State University, Fullerton

54. The effect of pre-competitive and post-competitive climate on salivary cortisol and stress levels of top ranking Brazilian wrestlers. Birgit Keller, Ricardo Coelho, Fabio Okazaki, Sergio Santos, Universidade Federal do Paraná, Brazil

Expertise: Development and Processes

55. On the specificity of especial motor skills. Katherine Keetch, Timothy Lee, McMaster University, Richard Schmidt, Human Performance Research, CA

56. The non-emergence of an especial skill: Good is not enough. Gabriel Wilson, Jeffery Simons, Jacob Wilson, and Ward Rodriguez, California State University, East Bay, and Florida State University

57. A test of self-efficacy and parameterization changes as possible explanations for the especial skills phenomenon at the 60.5-foot distance for highly experienced baseball pitchers. Jacob Wilson, Florida State University, Jeffery Simons, Gabriel Wilson, Stephen Theall, Ward Rodriguez, California State University, East Bay

58. Visual search, action and expertise in baseball runners during a base-stealing situation. Takaaki Kato, Keio University, Japan

59. Motor inhibition process in baseball players. Hiroki Nakamoto, Shiro Mori, National Institute of Fitness & Sports in Kanoya, Japan

60. Expert versus novice differences in the perception of basketball dribbles. Tanja Hohmann, Joern Munzert, Universität Gießen, Germany, Nikolaus Troje, Queens College

61. Experience-dependent effects in unimanual and bimanual reaction time tasks in musicians. Charmayne Hughes, Purdue University, Liz Franz, University of Otago

62. Testing assumptions of deliberate practice theory relevance, effort, and inherent enjoyment of practice. Randy Hyllegard, Tamara Bories, Western Illinois University

63. Degeneracy reflected in compensatory movements of professional basketball players. Han Yun Chiang, Yeou Teh Liu, National Taiwan Normal University

64. Expertise in change detection. Nicholas Murray, Christopher Harris, East Carolina University, Derek de la Pena, University of Houston
65. Examination of anticipatory performance with computationally-simulated tennis serve motion. Hirofumi Ida, Kazunobu Fukuhara, Motonobu Ishii, Tetsuri Inoue, Kanagawa Institute of Technology and Tokyo Institute of Technology

66. Contextual information and anticipation skill in cricket batting. Allistair McRobert, Mark Williams, Liverpool John Moores University, Paul Ward, David Eccles, Anders Ericsson, Florida State University

**Attention**

67. Memory based anti-saccade tasks increase response time and decrease pro-anti. Samuel Bayless, David Goodman, Simon Fraser University, Bruce Bjornson, BC Children’s Hospital, Michael Gaetz, University College of the Fraser Valley

68. Posner’s cueing paradigm with sport-specific stimuli. Rouwen Canal-Bruland, Norbert Hagemann, University of Munster

69. Switching induced response biasing caused by alternating task schedule. Jeffrey Fairbrother, Sebastian Brueckner, Joao Barros, Tim Nguyen, University of Tennessee

70. The compatibility of change versus N-change stimulus-response sets. Mark Guadagnoli, Robert Kohl, Kristina Lundquist, Tisheena Jones, Lorelei Grosser, University of Nevada, Las Vegas, and College of William and Mary

71. Perception of index of difficulty: Influences on control structure and performance. Attila Kovacs, John Buchanan, Charles Shea, Texas A & M University

72. Extracting of boxing–offensive pattern by association rules. Takeshige Nishiyama, Koichi Furukawa, Takaaki Kato, Tomohisa Nagano, Keio University, Japan

73. Increases in jump-and-reach height through an external focus of attention. Gabriele Wulf, Carolina Granados, Janet Dufek, University of Nevada, Las Vegas

74. The effect of internal and external focus of attention on learning tasks differing in complexity and duration. Peter Smith, Illinois State University

**Motivation**

75. Self-regulation of hand preference during the line drawing task: Do entity and incremental beliefs matter? Ying Hwa Kee, Yeou-The Liu, National Taiwan Normal University

76. Achievement goal changes associated with affective responses to feedback. Jonathan Metzler, Georgia Southern University

77. The learning climate in a sport social educational project. Fábio Heitor Okazaki, Vinicius Petrunko, University of Sao Paulo and Instituto Compartilhar

78. An experimental investigation of determinants and consequences of self-handicapping strategies across motivational climates. Guillaume Coudevyille, Kathleen Martin Ginis, McMaster University
79. Overweight-based teasing and motivation to be physically active: The importance of autonomy, competence, and relatedness. Amber Burgess, Megan Babkes Stellino, University of Northern Colorado

80. Examining the social-cognitive model of motivation: The importance of understanding leisure time motivation. Sarah Stevenson, Marc Lochbaum, Geoffrey Lowe, Texas Tech University

81. The interaction of goal orientation and motivational climate in predicting athlete burnout. Lung Hung Chen, National College of Physical Education and Sport, Ying-Mei Tsai, Central Taiwan University of Science and Technology, Ying Hwa Kee, National Taiwan Normal University

82. A descriptive study examining flow experiences to outdoor experiences. Eric Hall, Carol Smith, Bruce Nelson, Elon University

Self-Perceptions

83. Self-efficacy and performance in athlete dyads: Evidence of actor and partner effects. Ben Jackson, University of Leeds, Marc Beauchamp, University of British Columbia

84. Mortality salience, self-efficacy, and intentions of risk taking of Taiwanese surfers. Chu-Min Liao, Yu-Win Ho, Ling-Wen Huang, Chi-Chung Lee, Li-Yun Wang, Wen-Hsiu Tsai, National College of Physical Education and Sports, Taiwan

85. Self-efficacy of active and non-active adolescents. Martina Rolim, Thiago Matias, Luciana Segato, Alexandre Andrade, University of Santa Catarina State, Brazil

86. Sources of sport confidence and their relationship with sport confidence in college basketball players. Cara Demaine, Sandra Short, University of North Dakota

87. The relationship of self-esteem and perceived stress in female volleyball players. Fábio Heitor Okazaki, Ricardo Coelho, Victor Hugo Okazaki, Birgit Keller, Universidade Federal do Paraná, Brazil

88. The relationship between self-esteem and the drive for muscularity. Trista Hallman, Krista Munroe-Chandler, Todd Loughead, Mathu Yogarajah, University of Windsor

89. Exploring women track and field athletes’ meanings of muscularity. Amber Mosewich, Adrianne Vangool, Kent Kowalski, Tara-Leigh Fleming, University of Saskatchewan

90. The exercise/self-esteem relationship: An investigation of the role of physical activity motives. Jason Willow, Gannon University, PA


92. Medical students’ self-efficacy in physical activity counseling to older adults. Olga Santiago, Deborah Feltz, Maureen Mickus, Voogt Shannon, Carlos Rios, Michigan State University
93. The influence of optimism on athlete burnout. Ying-Mei Tsai, Central Taiwan University of Science and Technology, Lung Hung Chen, National College of Physical Education and Sports, Taiwan, Ying Hwa Kee, National Taiwan Normal University

Measurement Development and Validation

94. Examining the relationship between attitudes towards unsportsmanlike behaviour and achievement goal orientations. Kylie Wilson, University of Wales Institute, Cardiff

95. The psychometric properties of the humour styles questionnaire with a sample of athletes. Philip Sullivan, Lori Dithurbide, Brock University

96. Exercise preference: Development of a standardized measure. Karen Harris, Peter Giacobbi, University of Florida

97. Factorial and construct validity of the self-presentational efficacy in exercise scale. Heather Strong, Kathleen Martin Ginis, McMaster University


99. Construct validity of a comprehensive falls risk screening instrument using falls efficacy. Rebecca Ellis, Kevin McCarter, Deborah Moore, Jennifer Fabre, Iina Antikainen, Louisiana State University, Robert Wood, Husson College

100. Validating the Coaching Efficacy Scale for youth sport coaches. Teri Hepler, Deborah Feltz, Nathan Roman, Craig Paiement, Michigan State University

101. Coach-athlete and teammate holistic relationships: Measurement development and prediction of motivational factors. Cheryl Stuntz, April Spearance, St. Lawrence University

102. Using a normative personality profile to predict success in the National Hockey League: A 15-year longitudinal study. Chris Gee, University of Toronto, Robert Dougan, Brock University, John Marshall, Larry Dunn, The Self Management Group, ON

103. Using the Implicit Association Test to measure athlete’s attitude towards doping. Simone Lotz, Norbert Hagemann, University of Muenster

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104. Muscle gains, emotional strains, and social deigns: Conflicting experiences of change among overweight women participating in an exercise intervention program. Catherine Sabiston, McGill University, Meghan McDonough, Purdue University, Whitney Sedgwick, Peter Crocker, University of British Columbia

105. Exercise motives in Native Americans/Alaskans: A preliminary study using self-determination theory. Philip Wilson, Meghan LeBlanc, Brock University, Chris Blanchard, Dalhousie University

106. Do personal trainers help clients take responsibility for their exercise? Christopher Shields, Acadia University, Mary Jung, Larry Brawley, University of Saskatchewan
107. Promoting physical activity in the natural environment through prompted stairway use. Amy Kossert, Todd Loughead, Krista Munroe-Chandler, University of Windsor

108. Walking for wellness: Results from a mall walking program for the elderly. Lynette Stephenson, Nicole Culos-Reed, Patricia Doyle-Baker, Julia Devonish, James Dickinson, University of Calgary

109. The effect of mirrored environments and prior aerobics experience on self-presentational efficacy, task self-efficacy, and social anxiety in women. Larkin Lamarche, Kimberley Gammage, Brock University, Heather Strong, McMaster University

110. Effects of a first-year student physical activity guide on action plans and physical activity during transition to university. Steven Bray, Courtney Clayton, Matthew Kwan, Kelly Arbour, Jaskiran Chohan, McMaster University

111. Keep it real: Do behavioural entreaties change first year students’ intentions to exercise? Courtney Clayton, Steven Bray, McMaster University

112. Healthy campus 2010: Progress towards the reduction of gender disparities in physical activity objectives. Diane Mack, Philip Wilson, Katie Gunnell, Kristin Oster, Virginia Lightheart, Brock University

113. Differences in physical activity-related social cognitions among first-year university students’ consideration of future consequences. Matthew Kwan, Steven Bray, Jennifer Woodgate, McMaster University, Nancy Gyurcsik, University of Saskatchewan

114. Starting up or starting over: The role of intentions to increase or to maintain exercise behavior. Marcia Milne, Wendy Rodgers, Craig Hall, Philip Wilson, University of Western Ontario, University of Alberta, Brock University

115. Examining the dose-response relationship between exercise and reductions in anxiety. Brad Wipfli, Chad Rethorst, Daniel Landers, Arizona State University

116. Predicting daily reports of leisure-time exercise from stress appraisals and coping using a multilevel modeling approach. Matthew Buman, Daniel Tuccitto, Peter Giacobbi, University of Florida

117. Postnatal exercise: The psychological benefits of exercising with baby compared to without baby. Anita Cramp, Steven Bray, McMaster University

118. Lost in translation: Bridging the gap between physical activity intentions and behaviour. Neil Barr, Elizabeth Gunn, Elisa Murru, Kelly Russell, Steven Bray, Kathleen Martin Ginis, McMaster University