North American Society for the Psychology of Sport and Physical Activity

Conference Program

Tucson, Arizona

June 10–12, 2010
Please note that the room locations cited here may need to be changed, so it is wise to check the single-sheet flyer you receive with registration.

**Wednesday, June 9**

9:00 am – 5:00 pm Executive Committee Meeting  
(Boardroom)

3:00 pm – 6:00 pm Conference Registration

**Thursday, June 10**

8:30 am – 12:30 pm Preconference Workshop (Room: Joshua)  
Title: Nonlinear analysis and human movement variability

Presiders: Jill Whitall, University of Maryland, Baltimore; Neha Lodha, University of Florida  
Speaker: Nick Stergiou, University of Nebraska

12:30 pm – 1:30 pm Lunch (on your own)

10:00 am – 7:00 pm Conference Registration

**CONCURRENT SESSIONS, 1:00 pm – 3:00 pm**

1:30 pm – 3:00 pm Symposium (Room: Coronado 1)  
Title: New insights into motor development from eye-tracking studies (Organizer: Daniela Corbetta, University of Tennessee)

1:30 Daniela Corbetta, University of Tennessee.  
*Symposium introductory statement*

1:40 Petra Hauf, St. Francis Xavier University.  
*How are you moving? Infants’ motor experience influences the way they look at biologically possible and impossible movement*
2:00  Regina Harbourne, University of Nebraska Medical Center & Joshua Haworth, Anastasia Kyvelidou, & Nick Stergiou, University of Nebraska at Omaha. Eye and head tracking and sitting postural control in typical infants and infants with neuromotor delays

2:20  Daniela Corbetta, Guan Yu, & Joshua Williams, University of Tennessee. Do 9-months-old infants reach where they look?

2:40  General Discussion

1:30 pm – 3:00 pm  Verbal Presentations (Room: Turquoise I)

Title: Motivational determinants of physical activity (Moderator: Amy Latimer, Queens University)

1:30  Peter Rouse, Joan Duda, Nikos Ntoumanis, Kate Jolly, University of Birmingham & Geoffrey Williams, University of Rochester. A longitudinal examination of self-determination theory in participants of a UK based exercise on referral program

1:45  Ines Pfeffer, University of Leipzig. Gender identity and motivation to participate in preventive exercise programs

2:00  Philip Wilson, Diane Mack, Brock University, Chris Blanchard, Dalhousie University, Xie Bin, Xi’an Physical Education University & Susanna Cheung, Brock University. On the nature and function of scoring protocols used in exercise motivation research: An empirical study of the Behavioural Regulation in Exercise Questionnaire

2:15  Kimberley Bartholomew, Nikos Ntoumanis & Cecilie Thøgersen-Ntoumani, University of Birmingham. Self-determination theory and the prediction of ill-being in the sport context: The role of psychological need thwarting

2:30  Taeeung Kim & Maria Kosma, Louisiana State University. Psychosocial determinants of physical activity and the stages of change among diverse older adults

2:45  Carly Priebe & Kevin Spink, University of Saskatchewan. Descriptive norms for physical activity: Looking to others when the path is not clear

1:30 pm – 3:00 pm  Symposium (Room II)

Title: Recurrence quantification analysis: Overview and applications of a nonlinear analysis for human behavior dynamics (Organizers: Christopher Rhea & Adam Kiefer, Brown University)
1:30  Christopher Rhea, Brown University.

Introduction

1:40  Michael Riley, University of Cincinnati.

Using recurrence quantification analysis to characterize the dynamics of action

1:55  Jeffrey Haddad, Purdue University.

Recurrence quantification analysis reveals developmental changes in the time-dependent structure of postural sway during a precision fitting task

2:10  Christopher Rhea, Brown University.

Recurrence quantification analysis of walking path trajectories in a functional mobility task with imposed constraints

2:25  Adam Kiefer, Brown University.

Recurrence quantification analysis as a tool for characterizing human path dynamics in cluttered environments

2:40  General Discussion

1:30 pm – 3:00 pm  Verbal Presentations (Room: Agave)

Title: Sport psychology: Psychosocial correlates (Moderator: Chris Janelle, University of Florida)

1:30  Ian Boardley, Maria Kavussanu & Chris Ring, University of Birmingham.

Morality in sport versus university

1:45  Graig Chow, University of California, Los Angeles & Deborah Feltz, Michigan State University.

Examining the influence of social interaction on collective efficacy dispersion using social network analysis

2:00  Nicholas Murray, East Carolina University, Scott Rigby, Immersyve, Inc., Richard Ryan, University of Rochester, Danielle Zebroski & David Esposito, East Carolina University.

Psychophysiological indices of competition: A self-determination theory examination

2:15  Melissa Hopwood, Victoria University, Joseph Baker, York University, Clare MacMahon, Victoria University & Damian Farrow, Victoria University and Australian Institute of Sport.

The Developmental History of Athletes Questionnaire (DHAQ): Considerations when collecting athlete training histories
2:30  Sarah Williams & Jennifer Cummings, University of Birmingham.  
*An investigation of imaged meaning propositions to manipulate athletes’ challenge-threat states*

2:45  Lan-Ya Chuang & Tsung-Min Hung, National Taiwan Normal University.  
*The relationship among sport-specific threat cues, life-related threat cues, trait anxiety and competition trait anxiety in archers*

**1:30 pm – 3:00 pm  Verbal Presentations (Room: Joshua)**

**Title: Attention** (Moderator: David Sherwood, University of Colorado)

1:30  Keith Lohse, David Sherwood, Alice Healy, University of Colorado.  
*How changing the focus of attention affects performance, kinematics, and electromyography*

1:45  Jared Porter, Southern Illinois University, Carbondale, Gabriele Wulf, University of Nevada, Las Vegas, Russell Nolan & Erik Ostrowski, Southern Illinois University Carbondale.  
*Instructions that promote an external focus of attention benefit agility performance*

2:00  Suzete Chiviacowsky, Raquel Wally, Universidade Federal de Pelotas, Nels Rydberg, Gabriele Wulf, University of Nevada, Las Vegas.  
*An external focus of attention enhances balance learning in older adults*

2:15  Victoria Gottwald, Gavin Lawrence & Michael Khan, Bangor University.  
*Can learning under an external focus of attention counteract the negative effects of choking under pressure?*

2:30  Tyler Cluff, Taher Gharib & Ramesh Balasubramaniam, McMaster University.  
*Attentional influences on the performance of secondary physical tasks during posture control*

2:45  Johan, Koedijker, University of Bern, Jamie Poolton, Jon Maxwell, Hong Kong University, Raoul Oudejans, Peter Beek, VU University, Amsterdam, & Rich Masters, Honk Kong University.  
*Attention and time constraints in performing and learning a table tennis forehand shot*

**3:00 pm – 3:15 pm  Refreshment Break**
3:15 pm – 4:20 pm  Keynote Speaker, Motor Learning/Control (Room: Turquoise I–II)

Title: Fast, accurate and predictive: How the brain uses state estimation to integrate what we are doing, what we perceive we are doing, and what ought to get done

Presider: Carolee Winstein, University of Southern California
Speaker: Scott Grafton, University of California, Santa Barbara

4:20 pm – 6:00 pm  POSTERS (Room: Turquoise III)

Please set up posters by 10 am Thursday.

The presentations are listed beginning on page 30 of this program.

Presider: Dale Ulrich, University of Michigan
1. Physical Activity Promotion
2. Body Image/Physique
3. Expertise Development and Comparison
4. Measurement/Test Construction/Validation
5. Motor Learning & Self Regulation
6. Motor Development: Control/Performance/Lateralization

6:05 pm – 7:20 pm  Human Kinetics Lecturer (Room: Turquoise I–II)

Title: Going deep: Human, dog, and robot ball-catching helps clarify fundamental principles of psychology

Presider: Jill Whitall, University of Maryland. Baltimore
Speaker: Michael McBeath, Arizona State University

7:20 pm – 7:30 pm  Sponsors Special (Room: Turquoise)

7:30 pm – 10:00 pm  Opening Reception (Poolside); Dinner on your own.
Friday, June 11

8:00 am – Noon  Conference Registration

7:30 am – 8:55 am  JSEP Editorial Board Meeting (Boardroom)

8:00 am – 8:25 am  Sponsored Breakfast (Delsys)

8:25 am – 9:20 am  Keynote Speaker (Room: Coronado)
Title: Neural regulation of force: A model

Presider: Jody Jensen, University of Texas, Austin
Speaker: Carlo De Luca, Boston University

CONCURRENT SESSIONS, 9:30 am – 10:30 am

9:30 am – 10:30 am  Verbal Presentations (Room: Coronado I)
Title: Elite/Expert Performance (Moderator: Ernst Hossner, University of Bern)

9:30  Florian Loffing, Norbert Hagemann, University of Kassel & Bernd Strauss, University of Münster.
Application of principal components analysis to ball trajectory data: A preliminary study on identifying rally patterns in professional tennis

9:45  Adam Kiefer, Brown University, Kevin Shockley, University of Cincinnati, Timothy Hewett, Cincinnati Children’s Hospital/University of Cincinnati, Sarah Cummins-Sebree, University of Cincinnati, Jacqui Haas, Cincinnati Ballet Company & Michael Riley, University of Cincinnati.
The role of lower-limb proprioception in the multi-segmental postural coordination of professional ballet dancers

10:00  Markus Raab, German Sport University Cologne.
The advantages of intuitive decision-making in expert sports

10:15  Damian Farrow, Australian Institute of Sport, Darren McMurtrie, Tennis Australia, Tara Handke, Australian Institute of Sport & Machar Reid, Tennis Australia.
Expert perception of situational probability information in a time stressed interceptive task
9:30 am – 10:30 am  Verbal Presentations (Room: Turquoise I)

Title: Lifespan impact: Parental influences on physical activity (Moderator: Kathleen Martin Ginis, McMaster University)

9:30  Kathleen Wilson, Kevin Spink & Lawrence Brawley, University of Saskatchewan.
*Just to see how little she did was shocking: Cues leading to parental social control during declines in adolescent physical activity*

9:45  Jennifer Gapin, Barry University, & Jennifer Etnier, University of North Carolina, Greensboro.
*Parental perceptions of the effects of exercise on behavior in children and adolescents with AD/HD*

10:00  Ryan Rhodes, Cecilia Benoit, University of Victoria, Chris Blanchard, Dalhousie, University, Danielle Symons Downs, Pennsylvania State University, & Ryna Levy Milne, BC Cancer Agency.
*Comparison of physical activity motivation and behavior between age-matched parent and nonparent couples*

10:15  Rachel Mark, Ryan Rhodes, Naomi Casiro, Anna Marie de Zwager, University of Victoria.
*Understanding usage of exercise videogame bikes using the theory of planned behaviour among parents with young children in the home-setting: A pilot study*

9:30 am – 10:30 am  Verbal Presentations (Room: Turquoise II)

Title: Effect of age on motor learning and control (Moderator: Arend Van Gemmert, Louisiana State University)

9:30  Zongtao Li, Beijing Sport University/Wayne State University, Qui Lai, Wayne State University, Dongmei Luo & Yimin Zhang, Beijing Sport University.
*Static balance tests in relation to fall risk index and fall history in the female elderly*

9:45  Erin Fosnaugh, Leslie Desker, Sara Myers & Nick Stergiou, University of Nebraska at Omaha.
*Dual tasking indicates elderly inability to delegate locomotion to lower levels of control*

10:00  Zongtao Li, Beijing Sport University/Wayne State University, Dongmei Luo, Yimin Zhanget, Beijing Sport University & Qin Lai, Wayne State University.
*Neuromuscular activity of the lower extremities and fall in Chinese female elderly*
10:15 Stefan Panzer, University of Muenster, Nicole Gruetzmacher, Leipzig University, Melanie Krüger, LMU Munich.
Aging effects in coding simple movement sequences

9:30 am – 10:30 am Symposium (Room: Agave)
Title: Academic community engagement: Blending research and service
( Organizer: Diane Whaley, University of Virginia)

9:30 Tamar Semerjian, San Jose State University.
Introductory remarks on community engagement

9:42 Diane Whaley, University of Virginia.
The Charlottesville Community Obesity Task Force: Formative assessment and planning for a healthier community

9:54 Robin Schroyer, University of Virginia.
The Family Health and Fitness Camp: Adult and adolescent outcomes

10:06 Diane Whaley, University of Virginia.
Assessment and evaluation: How is “success” measured in a community project?

10:18 Discussion

9:30 am – 10:30 am Verbal Presentations (Room: Joshua)
Title: Psychological skills training (Moderator: Kelly Arbour-Nicitopoulos, University of Toronto)

9:30 Brad McKay & Gabriele Wulf, University of Nevada, Las Vegas.
Can verbal persuasion improve performance under pressure

9:45 Stephen Gonzalez, University of Utah, Jon Metzler, Army Center for Enhanced Performance, Fort Hood & Maria Newton, University of Utah.
Does inspiration increase situational motivation in male team athletes?: An exploratory study

10:00 Charlotte Woodcock, Mark Holland, Lee-Ann Sharp, Joan Duda, & Jennifer Cumming, University of Birmingham.
Psychological skill use in adolescents: Exploring structural and temporal validity of the TOPS

10:15 Mathieu Meeûs, Filip Boen, Bert DeCuyper, Catholic University, Leuven.
The effect of mindfulness training on performance in closed-skill sports: The power of mild acceptance

10:30 am – 10:45 am Refreshment Break
CONCURRENT SESSIONS, 10:45 am – 12:15 am

10:45 am – 12:15 am   Symposium (Room: Coronado I)

Title: The relationship between motor skill competence and physical activity: The path may not be straight (Organizer: David Stodden, Texas Tech University)

10:45  David Stodden, Texas Tech University.

Introduction

10:50 Jacqueline Goodway, Ohio State University David Stodden, Texas Tech University, Rick Ferkel, Texas Tech University & Laura Mowad, Ohio State University.

Associations among motor skill competence, physical activity, health-related fitness, and perceived competence in young children

11:07 Lawrence Foweather, Lee Graves, Nicola Ridgers, & Gareth Stratton, Liverpool John Moores University.

A longitudinal examination of the influence of fundamental movement skill competence, maturation, physical self-perceptions, and physical activity on body fat in children

11:24 Lisa Barnett, Deakin University, Phillip Morgan, University of Newcastle, Eric van Beurden, North Coast Area Health Service Health Promotion Unit, Kylie Ball, Deakin University, & David Lubans, University of Newcastle.

Evidence for a reciprocal dynamic relationship between fundamental motor skill proficiency, perceived sports competence and physical activity

11:41 David Stodden, Larissa True, Texas Tech University & Stephen Langendorfer, Bowling Green State University.

Predicting health-related fitness in young adults: Association to motor skill competence

11:58 Jacqueline Goodway, Ohio State University.

Summary

12:03 General Discussion

10:45 am – 12:15 am   Symposium (Room: Turquoise I)

Title: Socio-cultural explorations of physical activity: Stretching our methodological boundaries (Organizer: Kerry McGannon, University of Iowa)

10:45  Kerry McGannon, University of Iowa.

Introduction
10:55 Tatiana Ryba, University of Jyväskylä.  
*The psychological impact of transnationalism: A case of disengagement from physical activity*

11:10 Kerry McGannon, University of Iowa.  
*Enough about you, let’s talk about me: Using grounded theory to understand identity as a socio-cultural influence on rural women’s physical activity participation*

11:25 Brett Smith, Loughborough University.  
*Disability, sport, and the narrative study of lives: A creative analytical practice ethnography perspective*

11:40 Vikki Krane, Bowling Green State University.  
*Using visual methods in sport psychology research*

11:55 General Discussion

**10:45 am – 12:15 am Symposium (Room: Turquoise II)**

**Title:** Motivation and motor learning/control: An essential interface for movement science (Organizers: Gabriele Wulf, University of Nevada, Las Vegas & Rebecca Lewthwaite, Rancho Los Amigos National Rehabilitation Center)

10:45 Rebecca Lewthwaite, Rancho Los Amigos National Rehabilitation Center.  
*Introduction*

10:55 Gabriele Wulf, University of Nevada, Las Vegas & Rebecca Lewthwaite, Rancho Los Amigos National Rehabilitation Center.  
*How beliefs about ability affect the extent and quality of movement skill acquisition*

11:15 Rebecca Lewthwaite, Rancho Los Amigos National Rehabilitation Center & Gabriele Wulf, University of Nevada, Las Vegas.  
*Impacts of social-comparative information*

11:30 Suzete Chiviacowsky, Universidade Federal de Pelotas, Gabriele Wulf, University of Nevada, Las Vegas & Rebecca Lewthwaite, Rancho Los Amigos National Rehabilitation Center.  
*Self-controlled learning*

*Emotional influences on approach and avoidance behavior: Micro indices of macro behavioral tendencies*

12:05 Rebecca Lewthwaite, Rancho Los Amigos National Rehabilitation Center.  
*Implications*
12:10 General Discussion

**10:45 am – 12:15 am Verbal Presentations (Room: Agave)**

**Title:** Coaching Influences (Moderator: Deb Feltz, Michigan State University)

10:45 Ben Jackson, Robert Grove, University of Western Australia, Daniel Gucciardi, University of Queensland, James Dimmock, University of Western Australia. *Relational consequences associated with coach-athlete Big Five similarity: Do opposites really attract?*

11:00 Nicole Bolter & Maureen Weiss, University of Minnesota. *Coaching for character: Development and initial validation for a measure of coaching behaviors focused on sportsmanship*

11:15 Likang Chi, National Taiwan Normal University, Yen-Hun Chiang & Yun-Chi Yen, National Taiwan Sport University. *The prediction of coach-athlete relationships on coach’s and athlete’s satisfaction, motivation, and performance*

11:30 Wei-Jiun Shen, Chu-Min Liao & Wei-Ren Chen, National Taiwan Sport University. *The prediction of the aggressive nature of sport and perceived coaching behaviors to aggressive beliefs and behaviors in young athletes*

11:45 Phillip Sullivan, Tammy Whitaker-Campbell, Brock University, Nicholas Holt, University of Alberta, & Gordon Bloom, McGill University. *The relationships between athletes’ assessment of coaching behavior and positive youth development*

12:00 Jiech-der Dong-Fang, Soochow University & Likang Chi, National Taiwan Normal University. *The relationships between coach-athletes relationship and performance and satisfaction and the mediating effect of team cohesion*

**10:45 am – 12:15 am Verbal Presentations (Room: Joshua)**

**Title:** Dynamical and non-linear approaches to motor control (Moderator: David Sherwood, Colorado University)

10:45 Poremnia Amazeen, Arizona State University, Jamie Gorman, Cognitive Engineering Research Institute, & Eric Hessler, Arizona State University. *Dynamical analysis of team coordination in real time*

11:00 Attila Kovacs, Florida Atlantic University & Charles Shea, Texas A&M University. *Using scanning trials to assess interpersonal coordination dynamics*
11:15 Jacob Sosnoff, Karla Wessels, Steve Serio & Jeremy Butler, University of Illinois at Urbana-Champaign.  
*Sub-maximal force control as a function of shoulder pain in manual wheelchair users*

11:30 Adam King & Karl Newell, Pennsylvania State University.  
*Practice schedules and time scales of motor learning*

11:45 Rajiv Ranganathan, Northwestern University & Karl Newell, Pennsylvania State University.  
*Is reduction in movement variability a sign of optimization?*

12:00 Sunghoon, Shin, & Jacob Sosnoff, University of Illinois, Urbana-Champaign.  
*Nonlinear time series analyses of seated postural control in young adults with spinal cord injury*

**12:15 pm – 1:45 pm  Business Meeting (box lunch provided)  
(Room: Turquoise I–II)**

**1:45 pm – 2:30 pm Early Career Distinguished Scholar Award  
(Room: Coronado)**

*Title: The way two complete a task and learn from each other: Evidence for action co-representation in social movement contexts*

*Presider: Jill Whitall, University of Maryland, Baltimore  
Speaker: Tim Welsh, University of Toronto*

**2:35 pm – 3:05 pm Senior Lecturer: Motor Development  
(Room: Coronado)**

*Title: Understanding motor development from a multileveled approach*

*Presider: Dale Ulrich, University of Michigan  
Speaker: Daniela Corbetta, University of Tennessee*

**3:10 – 4:15 pm Keynote Speaker: Sport and Exercise Psychology (Room: Turquoise I–II)**

*Title: Role of exercise in the treatment and prevention of depression*

*Presider: Danielle Downs, Penn State University  
Speaker: Andrea Dunn, Klein Buendel, Inc.*

**4:15 pm – 4:30 pm  Refreshment Break**
CONCURRENT SESSIONS, 4:30 pm – 6:00 pm

4:30 pm – 6:00 pm  Symposium (Room: Coronado I)

Title: “I act, therefore I know”: The concept of embodied cognition in movement science (Organizer: Michael G. Wade, University of Minnesota)

4:30  Michael Wade & Thomas Stoffregen, University of Minnesota.  
On embodied cognition and its relevance for movement science

4:40  Joshua Aman, Chia-Hao Lu, & Juergen Konczak, University of Minnesota.  
Differential effect of visual and haptic information on hand aperture

5:00  Fu-chen Chen, Michael Wade, University of Minnesota, Chia-Liang Tsai, National Cheng Kung & George Bilz, University of Minnesota.  
Postural and heart rate responses as a function of task demand in children at risk of developmental coordination disorder

5:20  Ya-Wen Yu, University of Minnesota, Benoit Bardy, Montpellier-1, & Thomas Stoffregen, University of Minnesota.  
Influence of active locomotion on perception of an affordance for wheelchair locomotion

5:40  Juergen Konczak, University of Minnesota.  
Discussant

5:55  General Discussion

4:30 pm – 6:00 pm  Symposium (Room: Turquoise I)

Title: New perspectives on the motivation-performance link in sport (Organizer: Henning Plessner, University of Leipzig)

Henning Plessner, University of Leipzig.  
Introduction

4:30  Mirko Wegner, Gordon Mempel, Hanno Strang, Humboldt University, Berlin.  
Implicit vs. explicit motives predict tennis players’ career tie-break vs. career match performances

4:50  Henning Plessner, George Froese, University of Leipzig, Daniel Memmert, German Sport University Cologne, Caroline Peterhaensel, Univeristy of Leipzig, Stefanie Huettermann, German Sport University Cologne.  
The influence of regulatory “team-fit” on tournament success in table soccer

5:10  Georg Froese, University of Leipzig, Julius Kuhl, University of Osnabrueck.  
Safety first: Differences in action orientation impact performance and risk-taking in soccer
5:30  Thomas Teubel, Henning Plessner, University of Leipzig.
_The affiliation motive in sport_

5:50  Markus Raab, German Sport University Cologne.
_Discussion_

**4:30 pm – 6:00 pm  Verbal Presentations (Room: Turquoise II)**

**Title:** Brain behavior, memory, neural correlates (Moderator: Jan Hondzinski, Louisiana State University)

4:30  David Mann, Australian Institute of Sport, Bruce Abernathy, University of Hong Kong, & Damian Farrow, Australian Institute of Sport.
_A visual manipulation used to examine the neural processing underpinning skilled interceptive actions_

4:45  Frank Zhu, Jamie Poolton & Richard Masters, University of Hong Kong.
_EEG coherence between the verbal-analytical region (T3) and the motor-planning region (Fz) increases under stress in explicit motor learners but not implicit motor learners_

5:00  Klaus Blishke, Universitaet des Saarlandes, Daniel Erlacher, University Heidelberg & Sebastian Brueckner, Universitaet des Saarlandes.
_Sleep-related off-line motor learning: Muscle activation vs. spatial sequence representation effects_

5:15  Patricia A. Shewokis, Hasan Ayaz, Meltem Izzetoglu, Drexel University, Nancy Getchell, University of Delaware & Kurtulus Izzetoglu, Drexel University.
_The acquisition and learning of computer tasks in a contextual interference paradigm: Using functional near infrared spectroscopy to examine prefrontal cortex activity_

5:30  Greg Anson, University of Auckland, Rebekak Scott, & Brian Hyland, University of Otago.
_Motor preparation of ‘extent’ is reflected in left hemisphere contingent negative variation_

5:45  Arnaud Boutin, University of Poitiers, Udo Fries, University of Leipzig, Stefan Panzer, Muenster University, Arnaud Badets & Yannick Blandin, University of Poitiers.
_Evolution of movement sequence representation over practice: Consolidation and relearning processes_

**4:30 pm – 6:00 pm  Verbal Presentations (Room: Agave)**

**Title:** Physical Activity and Children/Youth (Moderator: Claudio Nigg, University of Hawaii)
4:30 Casey Gray, Harry Prapavessis, Nerissa Campbell, Daniela Rivas, University of Western Ontario, Erin McGowan, University of Alberta, Justine Wilson Gray, University of Western Ontario.
An integrated self-efficacy and basic psychological need satisfaction in physical activity scale for children: Factor structure and composition

4:45 Rebecca Ellis, Georgia State University, Maria Kosma, Louisiana State University, Danielle Symons Downs, Pennsylvania State University.
Moderators of youth exercise intention and behavior

5:00 Leslie Podlog, Marc Lochbaum, Texas Tech University.
The relationship between self-presentational concerns and pre-game emotions among adolescent football players

5:15 Eryn Jewitt, Mark Eys, Wilfrid Laurier University, Todd Loughead, University of Windsor, Mark Bruner, Queens University.
Validity of a measure of cohesion for youth sport: The Youth Sport Environment Questionnaire

5:30 Kyle Paradis & Todd Loughead, University of Windsor.
Perceptions of formal and informal athlete leader effectiveness in youth sport

5:45 Lee-Ann Sharp, Charlotte Woodcock, Mark Holland, Joan Duda & Jennifer Cumming, University of Birmingham, UK.
Validation of the Athlete Burnout Questionnaire with youth athletes

4:30 pm – 6:00 pm Verbal Presentations (Room: Joshua)

Title: Self-regulation of learning and performance (Moderator: Gaby Wulf, University of Nevada, Las Vegas)

4:30 Jill Stewart, Rebecca Lethwaite & Carolee Winstein, University of Southern California.
Self-efficacy for reach actions after stroke: a pilot study

4:45 Jeffrey Fairbrother, Rainer Meisterjahn & Peter Jensen, University of Tennessee, Knoxville.
The effects of self-controlled feedback and error estimation on motor skill learning

5:00 Will Wu, California State University, Long Beach & Richard Magill, New York University.
Self-controlled learning: Is self-regulation responsible for the learning benefits?

5:15 Itay Basevitch, Florida State University, Paul Ward, Michigan Technological University, K. Anders Ericsson, Joyce Ehrlinger & Edson Medeiros Filho, Florida State University.
Practice habits, self-beliefs, self-evaluation, and soccer skill level
5:30  Breanna Studenka, McMaster University & Howard Zelaznik, Purdue University.
*Emergent timing is robust for self-paced circle drawing*

5:45  Phillip Post, David Laughlin & Jeffrey Fairbrother, University of Tennessee, Knoxville.
*The effects of self-controlled feedback on participant motivation and motor skill learning*

6:00 pm – 7:30 pm  POSTERS (Room: Turquoise III)
Please set up posters by 10 am Friday.

The presentations are listed beginning on page 35 of this program.

Presider: Jacqueline Goodway, Ohio State University
  1. Sport Psychology
  2. Applied Sport Psychology
  3. Motor Development
  4. Motor Control: Coordination and Control/Attention

8:00 pm  Student Social (Meet in lobby outside Turquoise I)
*Note.* Must sign up for the social at registration.
9:00  Nick Stergiou, University of Nebraska at Omaha.  
*Introduction*

9:05  Beth Smith, University of Michigan, Nick Stergiou, University of Nebraska at Omaha & Beverly Ulrich, University of Michigan.  
*Nonlinear dynamics in gait across the lifespan in persons with and without Down syndrome*

9:20  Regina Harbourne, University of Nebraska Medical Center.  
*Nonlinear dynamics in sitting postural control and visual attention in infants with typical development and infants with motor delays*

9:35  Fabien Cignetti, University of Nebraska at Omaha, Anastasia Kyvelidou, Regina Harbourne, University of Nebraska Medical Center & Nick Stergiou, University of Nebraska at Omaha.  
*Coordination and nonlinear dynamics in the development of infant sitting postural control*

9:50  Josh Haworth, Anastasia Kyvelidou, Regina Harbourne, University of Nebraska Medical Center & Nick Stergiou, University of Nebraska at Omaha.  
*Nonlinear dynamics in infant sitting postural control under distorted visual and proprioceptive information*

10:05  General Discussion

**9:00 am – 10:30 am  Symposium (Room: Turquoise I)**

**Title:** Examining the Köhler motivation gain effect in exercise and sport groups  
(Organizers: Deborah Feltz and Norbert Kerr, Michigan State University)

9:00  Deborah Feltz, Norbert Kerr, Michigan State University  
*Symposium overview*

9:15  Brandon Irwin, Deborah Feltz, Norbett Kerr, Seung Hwang, Michigan State University  
*Cyber buddies: Testing the Köhler motivation gain effect using virtual partners*

9:37  Kaitlynn Osborn, Lori Dithurbide, Deborah Feltz, Norbert Kerr, Michigan State University  
*Testing the weak link: Motivation gains of inferior relay members*

9:59  Nikolaus Skogsberg, Brandon Irwin, Deborah Feltz, Michigan State University  
*Köhler in the field: Motivation gains of inferior group members in track and field relay teams*

10:21  General Discussion
9:00 am – 10:30 am  Verbal Presentations (Room: Turquoise II)

Title: Neural and behavioral considerations in Parkinson’s disease (Moderator: Jan Hondzinski, Louisiana State University)

9:00  Genna Mulvey, Arizona State University, Beverly Ulrich, University of Michigan & Kelvin Chou, University of Michigan Health System.
Direction of attention can decrease the quality of gait patterns in patients with Parkinson’s disease

9:15  Suzete Chiviacowsky & Tiago Campos, Federal University of Pelotas.
Reduced frequency of knowledge of results enhances learning in subjects with Parkinson disease

9:30  Lauren King, University of Waterloo, Quincy Almeida, Wilfrid Laurier University & Eric Roy, University of Waterloo.
Distinguishing between primary motor deficits and apraxic impairments in Parkinson’s disease

9:45  Matt Brown, Quincy Almeida, Wilfrid Laurier University & Fariborz Rahimi, University of Waterloo.
Sensory and dopaminergic contributions to upper limb freezing during bimanual coordination in Parkinson’s disease

10:00  Patricia Knobl, Wilfrid Laurier University, Lauren King, University of Waterloo & Quincy Almeida, Wilfrid Laurier University.
The relationship between motor planning and freezing of gait in Parkinson’s disease

10:15  Kaylena Ehgoetz Martens, Michael Cinelli & Quincy Almeida Wilfrid Laurier University.
Height judgments and obstacle crossing in individuals with Parkinson’s disease

9:00 am – 10:30 am  Verbal Presentations (Room: Agave)

Title: Physical activity interventions and training (Moderator: Ryan Rhodes, University of Victoria)

9:00  Danielle Symons Downs, Jennifer DiNallo, Erica Rauff, Jan Ulbrecht, Leann Birch & Ian Paul, Pennsylvania State University.
Pregnant women’s exercise motivation and behavior: Preliminary findings from a randomized physical activity intervention

9:15  Kelly Arbour-Nicitopoulos, Guy Faulkner, Venus, Shyu, University of Toronto, Tony Cohn, & Natasha Golding, Centre for Addiction and Mental Health.
A 6-week weight management program for women with schizophrenia: The need for women-centred interventions
9:30  Erin Pearson & Craig Hall, University of Western Ontario.  
*Examining the effects of an 18-week cardiovascular exercise program on body image in overweight and obese women*

9:45  Ranil R. Sonnadara, Aaron Van Vliet, Oleg Safir, University of Toronto, James Burkitt, McMaster University & Richard Reznick, University of Toronto.  
*Surgical boot camp: A novel approach to teaching basic technical skills to surgical trainees*

10:00  Claudio Nigg, Karly Geller, University of Hawaii, Paula Adams, Kahoomiki, Michele Hamada, University of Hawaii & Richard Chung, Hawaii, Medical Service Association.  
*Successful Dissemination of Fun 5: A physical activity and nutrition program*

10:15  Brianne Foulon, McMaster University, Kathleen Martin Ginis, McMaster University, Cortney Benedict, Ontario Wheelchair Sports Association, Amy Latimer, Queen’s University.  
*A little bit goes a long way: The effects of a wheelchair sport session on social cognitive theory constructs and leisure time physical activity among people with physical disabilities*

**9:00 am – 10:30 am  Verbal Presentations (Room: Agave)**

**Title:** Bimanual coordination and training (Moderator: David Sherwood, University of Colorado)

9:00  Brandon Bernardin & Andrea Mason, University of Wisconsin-Madison.  
*How a unimanual goal is achieved via bimanual coordination*

9:15  Tino Stöckel, Andreas Bering and Jürgen Krug, University of Leipzig.  
*Interlimb transfer as a function of task perception and bilateral practice order*

9:30  Charmayne Hughes, Howard Zelaznik, Jeffrey Haddad & Amanda Gipson, Purdue University.  
*Interlimb coupling during cooperative bimanual actions when objects are physically connected*

9:45  John Buchanan, Texas A&M University & Tiffany Rodriguez, Rady Children’s Hospital.  
*Leading joint hypothesis and the learning of bimanual coordination patterns*

10:10  Seonjin Kim, Jehkwang Ryu, Min Joo Kim, Seoul National University & Sang Bum Kim, Chung-Ang University.  
*The effects of bilateral movement training on upper limb function and neural activity of cerebral motor cortex in chronic stroke patients*
10:15 Stefan Panzer, University of Muenster, Nicole Gruetzmacher, Leipzig University, Yannick Balndin, Poitiers University, Charles Shea, Texas A&M University & Melanie Krüger, LMU Munich.
Observation and coding of simple motor sequences

10:30 am – 10:45 am  Refreshment Break

CONCURRENT SESSIONS, 10:45 am – 12:15 am

10:45 am – 12:15 pm Symposium (Room: Coronado I)
Title: Power mobility for very young children: The technological, psychological, and clinical issues (Organizer: James Cole Galloway, University of Delaware)

10:45 James Cole Galloway, University of Delaware.
Introduction

10:50 Maria Jones, Irene McEwen, & Barbara Neas, University of Oklahoma Health Sciences Center.
Effects of power wheelchairs on the development of children aged 14 to 30 months with severe motor impairments

11:10 Sunil Agrawal, Xi Chen, James Galloway, University of Delaware.
Training toddlers with special needs for higher-level mobility behaviors using mobile robots and force-field joysticks

11:30 Christina Ragonesi, Xi Chen, Sunil Agrawal, James Galloway.
Power mobility and socialization in preschool: A case report on a child with cerebral palsy

11:50 General Discussion

10:45 am – 12:15 am  Verbal Presentations (Room: Turquoise I)
Title: Upper extremity studies across the lifespan (Moderator: Daniela Corbetta, University of Tennessee)

10:45 Juergen Konczak, University of Minnesota, Francesco Nori & Giulio Sandini Italian Institute of Technology.
Can imprecise internal motor models explain the hand trajectory formation during reaching in young infants

11:00 Hui Min Lee & James Galloway, University of Delaware.
The effect of early posture and movement experiences on head control, prereaching movements, and early reaching behaviors
11:15 Mei-Hua Lee & Karl Newell, Pennsylvania State University.  
*The transition of infant spontaneous arm movements to goal-directed reaching*

11:30 Melanie Krüger, Thomas Eggert & Andreas Straube, Ludwig-Maximilians-University, Munich.  
*Development of movement variability in unconstrained reaching movements*

11:45 Georgiana Juravle & Charles Spence, Oxford University.  
*Tactile attention in ball catching*

12:00 ShihChun Kao & Tsung-Min Humg, National Taiwan Normal University.  
*Comparison of different aiming time on shooting performance and EEG in skilled pistol shooters*

**10:45 am – 12:15 am  Verbal Presentations (Room: Turquoise II)**

**Title: Visuomotor control and learning (Moderator: Arend Van Gammert, Louisiana State University)**

10:45 Robert Horn, Michelle Okumara, Curtis Sylvester, Melissa Alexander, Fredrick Gardin, Raisa Gray & E Zullo, Montclair State University.  
*Effects of contextual interference and the axis of target location changes on quiet eye duration in a dart throwing task*

11:00 Norbert Hagemann, University of Kassel, Dennis Dreiskämper, University of Münster, Rouwen Cañal-Bruland, VU University Amsterdam, Florian Loffing, University of Kassel & Mark Williams, Liverpool John Moores University.  
*Global vs. local perception when making anticipating judgments: An investigation using the moving window paradigm*

11:15 Alexandre Lang, University of Technology of Compiègne.  
*Questioning the continuous pursuit tracking task as explanatory of implicit motor learning*

11:30 Heiko Lex, Bielefeld University, Matthias Weigelt, Saarland University, Yaochu Jin, Honda Research Institute-Europe & Thomas Schack, Bielefeld University.  
*Visuo-motor adaptation relies on kinesthetic representation of movement directions*

11:45 Bruce Abernathy, University of Hong Kong, Robin Jackson, Brunel University & Chris Wang, University of Sydney.  
*The perception of deception: The role of kinematic and other information in detecting deceptive intent within movements*

12:00 Nicole Ong, Nicola Hodges, Romeo Chua and Ian Franks, University of British Columbia.  
*What does observation tell us about visuomotor adaptation and the processes necessary for learning?*
10:45 am – 12:15 am  Verbal Presentations (Room: Agave)

Title: Cognitive correlates of physical activity (Moderator: Rebecca Ellis, Georgia State University)

10:45  Kelly Barnes, Arizona State University, Chad Rethorst, University of Rochester Medical Center, Jennifer Etnier, University of North Carolina at Greensboro, Bradley Wipfli, Oregon Health & Science University & Daniel Landers, Arizona State University.

The effects of exercise on cognitive function across the life span: A meta-analysis

11:00  Carlos Salas, University of Illinois at Chicago, Katsumi Minakata, & William Kelemen, California State University, Long Beach

Exercise and Metamemory: Walking before study can improve memory and judgment of learning accuracy


Cognitive demands of moderately intense physical activity

11:30  Daniel Erlacher, University of Heidelberg, Institute for Sport and Sport Science

Duration for cognitive and motor activities in lucid dreams

11:45  Kathleen Martin Ginis, McMaster University, Amy Latimer, Queen’s University, Rebecca Bassett, McMaster University, Kelly Arbour-Nicitopoulos, University of Toronto & Dalton Wolfe, University of Western Ontario.

The importance of self-regulation for physical activity participation: A test of social cognitive theory

12:00  Jennifer Cumming & Joan Duda, University of Birmingham.

Self-regulatory strategies to overcome boredom in the gym: Development and VALIDATION of the Interest-Enhancing Strategies for Exercise Questionnaire (IESEQ)

10:45 am – 12:15 am  Verbal Presentations (Room: Joshua)

Title: Psychosocial correlates of physical activity (Moderator: Steve Bray, McMaster University)

10:45  Catherin Sabiston, Jennifer Brunet, McGill University, Kent Kowalski, University of Saskatchewan.

Beyond the comforts of social physique anxiety: exploring other body-related emotions and links to physical activity
11:00 Parminder Flora, University of Saskatchewan, Shaelyn Strachan, University of Ottawa, Kevin Spink & Lawrence Brawley, University of Saskatchewan.
*Emotional reactions to being unable to exercise: Identity and attributions predict guilt and shame*

11:15 Suyen Liu, National Chung Cheng University.
*A study of comparison of acute emotion and physiological signals before and after exercise*

11:30 Amy Latimer, Queen’s University, Lawrence Brawley, University of Saskatchewan & Rebecca Bassett, McMaster University.
*Is there an optimal approach to constructing physical activity messages? A systematic review and recommendations*

11:45 Megan Kirk & Ryan Rhodes, University of Victoria.
*Occupation correlates of adults’ participation in physical activity: A systematic review*

12:00 Lisa Cooke & Krista Munroe-Chandler, University of Windsor.
*Imagine that!: Investigating the relationship between exercise experience and imagery use among females*

12:15 pm – 1:15 pm  Lunch on your own or Student Lunch with Faculty (Room: TBA)

*Note. Students need to have signed up.*

1:15 pm – 2:20 pm  Senior Lecturers: Motor Learning/Control and Sport/Exercise Psychology (Room: Turquoise)

*Title: Two components but multiple processes: Woodworth revisited*

*Presider: Carolee Winstein, University of Southern California*
*Speaker: Digby Elliott, McMaster (CA) and John Moores (UK) University*

*Title: The psychosocial dynamics of disability sport and exercise*

*Presider: Danielle Downs, Penn State University*
*Speaker: Jeff Martin, Wayne State University*
CONCURRENT SESSIONS, 2:30 pm – 4:00 pm

2:30 pm – 4:00 pm  Verbal Presentations (Room: Coronado I)

Title: Clinical populations and innovative analysis (Moderator: Jane Clark, University of Maryland, College Park)

2:30  Melissa Pangelinan, Brad Hatfield, & Jane Clark, University of Maryland, College Park.
**Attenuated cortical activation may underlie movement deficits in children with developmental coordination disorder**

2:45  Ting Liu, Michelle Pope, Texas State University-San Marcos.
**Motor milestones may be used as indicators for early diagnosis in autism**

3:00  Brad King, Jeffrey Harring, Marcio Oliveira, & Jane Clark.
**What about me?: Utilizing random coefficient models to investigate individual behavioral trajectories in school-aged children**

3:15  Jerry Wu, Georgia State, Julia Looper, University of Puget Sound, Dale Ulrich, & Rosa Angulo-Barroso, University of Michigan.
**Effect of different treadmill interventions on the development of joint kinematics in infants with Down syndrome**

3:30  Shannon Ringenbach, Zachary Gibbons, Chih-Chia Chen, & Genna Mulvey, Arizona State University.
**Visual-part and music instructions improve timing consistency in bimanual drumming in adults with Down syndrome**

3:45  Danielle Wadsworth, Leah Robinson, Mary Rudisill, Sam Logan, Maria Morera & Colleen Daly, Auburn University.
**The influence of motivational climates on the physical activity in rural, African American school-age children**

2:30 pm – 4:00 pm  Verbal Presentations (Room: Turquoise I)

Title: Physical activity and clinical populations (Moderator: Jennifer Etnier, UNC Greensboro)

2:30  Sandra Pelaez, Concordia University, Kim Lavoie, Université de Quebec a Montreal, Andre Arsenault, Montreal Heart Institute, Simon Bacon, Concordia University.
**Are social networks associated with exercise habits in coronary heart disease patients?**

2:45  Jennifer Brunet, McGill University, Catherine Sabiston, McGill University, & Carsten Wrosch, Concordia University.
**Breast cancer survivors’ goal adjustment processes: Associations with physical activity behavior and subjective well-being**
3:00 Erica Rauff & Danielle Symons Downs, Pennsylvania State University. Examining the mediating relationship between body image satisfaction and its biopsychosocial correlates from the first to second pregnancy trimester

3:15 Bianca Segatto & Catherine Sabiston, McGill University. Exploring the relationship between basic psychological needs and physical activity among transplant recipients

3:30 Wei-Ru Yao, Chu-Min Liao & Chiung-Chun Chen, National Taiwan Sport University. The prediction of sport commitment in athletes with physical disabilities

3:45 Ya-Wen Hsu, Chia-Liang Tsai, Jing-Horng Lu & Feng-Chun Tsai, National Taiwan Sport University. The effectiveness of table tennis training on motor performance and visual perceptual ability in children with DCD

2:30 pm – 4:00 pm Symposium (Room: Turquoise II)

Title: Focused training techniques in individuals with Parkinson’s disease (Organizer: Jan Hondzinski, Louisiana State University)

2:30 Jan Hondzinski, Louisiana State University. Introduction: Focused training techniques in individuals with Parkinson’s disease

2:40 Becky Farley, Sara Derosa, Gail Koshland, University of Arizona, Cynthia Fox, National Center for Voice and Speech, & Arend Van Gemmert, Louisiana State University. The LSVT BIG and LOUD training protocol transfers to an untrained handwriting task in early Parkinson disease

3:00 Zahra Kadivar, Baylor College of Medicine, Daniel Corcos, University of Illinois at Chicago, James Foto, National Hansen’s Disease Programs & Jan Hondzinski, Louisiana State University. Application of rhythmic auditory stimulation during multi-directional step training in Parkinson’s patients

3:20 Beth Fisher, Quanzheng Li, Jooeun Song, George Salem & Giselle Petzinger, University of Southern California. Central and behavioral effects of exercise in patients with Parkinson’s disease

3:40 Arend Van Gemmert, Louisiana State University. Discussant

3:50 General Discussion

2:30 pm – 4:00 pm Verbal Presentations (Room: Agave)
Title: **Sport psychology: Achievement perspectives** (Moderator: Nicholas Murray, East Carolina University)

2:30  Miranda Kaye, Ithaca College.  
*Effects of moral disengagement and 2x2 achievement goals on unsportspersonlike behavior*

2:45  Rebecca Trenz, Fordham University.  
*An analysis of developmental differences in perceptions of motivational climate and achievement goals in competitive swimmers*

3:00  Todd Loughead, & Diane Vincer, University of Windsor.  
*Examining the relationship between athlete leadership behaviors and cohesion in team sport*

3:15  David Hancock, Brad Young & Diane Ste-Marie, University of Ottawa.  
*The relative age effect and level of competition in Canadian minor hockey*

3:30  Eleanor Quested & Joan Duda, University of Birmingham.  
*The social-psychological antecedents of burnout in dance: A longitudinal test of basic needs theory*

3:45  Melanie Gregg, University of Winnipeg, Jenny O, California State University, East Bay, Craig Hall, University of Western Ontario.  
*Examining the relationship between athletes’ achievement motives and ability to employ imagery*

2:30 pm – 4:00 pm  **Verbal Presentations (Room: Joshua)**

Title: **Control of posture and gait** (Moderator: Gabriele Wulf, University of Nevada, Las Vegas)

2:30  Hagen Beeger, University of Leipzig.  
*The relationship among core stability of postural tasks and balancing skills*

2:45  Christoph Schütz, Bielefeld University, Matthias Weigelt, Saarland University, Dennis Odekerken, Hogeschool Zuyd, Timo Klein-Soetebier, & Thomas Schack, Bielefeld University.  
*Motor hysteresis in continuous posture space*

3:00  William Berg, Rachel Funk, Megan Taylor, Amutha Thirunavukarasu, Ceith Creekmur, & Angela Mound, Miami University.  
*The effect of walking speed on typing performance using an active workstation*

3:15  Sara Myers, Leslie Decker, Jane Potter & Nick Stergiou, University of Nebraska at Omaha.  
*Auditory stimulus alters step width, but not step length gait characteristics of healthy young and elderly individuals*
3:30  Daniel Russell, Pennsylvania State University-Berks, Joshua Haworth, University of Nebraska-Omaha, Cesar Martinez-Garza, Abel Wolle & Jordan Barket, Pennsylvania State University – Berks.  
Asymmetrical and symmetrical ankle loads reduce local dynamic stability in walking

3:45  Kate Worster, Joanne Valvano & James Carolla, The Children’s Hospital.  
Use of nonlinear gait analysis methods to elucidate inter-segmental coordination dynamics of stiff knee gait in children with cerebral palsy

4:00 pm – 4:15 pm  Break

4:15 pm – 5:20 pm  Keynote Speaker, Motor Development  
(Room: Turquoise I–II)  
Title: How can we help children with motor disabilities learn to walk?  
Presider: Jill Whitall, University of Maryland, Baltimore  
Speaker: Diane Damiano, NIH Biomechanics Laboratory

5:20 pm – 7:00 pm  POSTERS (Room: Turquoise III)  
Please set up posters by 10 am Saturday.

The presentations are listed beginning on page 41 of this program.

Presider: Mary Rudisill, Auburn University  
1. Sport Psychology  
2. Applied Psychology  
3. Special Populations  
4. Interventions  
5. Motor Control: Brain-Behavior/Sensorimotor/Mental Practice & Observation  
6. Exercise Psychology

7:30 pm – 11:00 pm  Cocktails, Dinner, and Dance  
(Room: The Lost Territory)

Sunday, June 13

8:00 am – 10:00 am  Executive Committee Breakfast  
Meeting: Incoming, Outgoing, & Continuing (Boardroom)
Posters

Thursday

1. Physical Activity Promotion

1 Transformational teaching in elementary school physical education settings: implications for student motivation and adaptive attitudes. Sharon E. Keith & Mark R. Beauchamp, University of British Columbia.

2 Sport participation and possibilities for positive development among children from low-income families. Bethan C. Kingsley, Nicholas L. Holt & Lisa N. Tink, University of Alberta.

3 Establishing determinants of future efficacy: Initial proxy-efficacy as a predictor of post-program self-regulatory efficacy. Christopher A. Shields, Acadia University, Lawrence Brawley, Karen Glazebrook, Tara Anderson & Parminder Flora, University of Saskatchewan.

4 Achievement goals and self-determination constructs: Predicting self-reported stage of exercise behavior. Marc Lochbaum, Leslie Podlog & Kyle Litchfield, Texas Tech University.

5 Physical self-efficacy, goal orientation and the degree of participation for physical activity. Sun Yongjun, Peking University.


2. Body Image/Physique

7 The relationship between the physical self-description in bodybuilding members and intensity level. Felix Guillen & Rosa Lopez, University of Las Palmas de Gran Canaria.

8 The relationship between social physique anxiety and exercise behavior: Does the fulfillment of basic psychological needs matter? Diane E. Mack, Philip M. Wilson, Benjamin D. Sylvester, Paige Gregson, Susanna Cheung & Samuel Rimmer, Brock University.

9 The relationship between body image investment, dietary restraint, and exercise dependence in university-aged men and women. Larkin Lamarche, University of Toronto & Kimberley L. Gammage, Brock University.

10 Trait body image predictors of body-related social comparisons in university-aged women. Kimberley L. Gammage, Heather Varga, Brock University & Larkin Lamarche, University of Toronto.

11 An exploration of social physique anxiety in physical education. Anne E. Cox, Joe Madonia & Katie Witty, Illinois State University.
12 Clothing-based and proxy body image predictors of disordered eating risk among collegiate track and field athletes. Eva V. Monsma & Toni M. McGehee, University of South Carolina.

3. Expertise Development and Comparison

13 The development activities of elite soccer players who progressed to professional status at 16 years of age compared to those who did not. Paul R. Ford & Mark A. Williams, Liverpool John Moores University.

14 The geometry of the swing path in experts and novices. Yu-Ching Lan, National Yang-Ming University.

15 A multi-methodological and disciplinary examination of expertise development in cricket batting. Juanita R. Weissensteiner, Australian Sports Commission, Bruce Abernethy, Hong Kong University & Damian Farrow, Australian Institute of Sport.

16 Learning through observation: Combination of expert and novice models. Hassan Rohbanfard & Luc Proteau, Université de Montréal.

17 Variation in the elite basketball player’s gaze after a free-throw. Ju-Han Lin, Sheng-yu Hung & Jhih-Hang Song, National Dong Haw University, Taiwan.


19 Quiet eye duration and gun motion in elite shotgun shooting. Joe Causer, Simon J. Bennett, Liverpool John Moores University, Paul S. Holmes, Manchester Metropolitan University, Chris M. Janelle, University of Florida & Andrew M. Williams, Liverpool John Moores University.

4. Measurement/Test Construction/Validation


21 A quantitative and qualitative movement analysis of coordination in expressive movements. Seonjin Kim, Sooyeon Kim, Jongseong An & Hwansoo Kim, Seoul National University.

22 Novel method for estimating the psychophysical parameters of movement cost for a goal-directed stepping task. Charalambos Charalambous, Yi-Hsuan Lai & Carolee Winstein, University of Southern California.


26 The association between the object control subscale of two motor assessments. Sam W. Logan, Leah E. Robinson, Auburn University & Nancy Getchell, University of Delaware.

27 Developing the on-line test on perceptual-motor ability. Seungha Park, Ewha Womans University & Dong-Wook Han, Chonbuk National University.


31 Establishing the Content Validity of the Transformational Parenting Questionnaire (TPQ): A think-aloud investigation. Katie L. Morton & Mark R. Beauchamp, University of British Columbia.

32 Assessing athletes’ imagery ability: The development of the Sport Imagery Ability Questionnaire. Sarah E. Williams & Jennifer Cumming, University of Birmingham.

33 A cross-cultural examination of the validity of the Revised Physical Self-Perception Profile. Huang Ling-Wen, National Taiwan Colleage of Physical Education, Chu-Min Liao & Hsui-Tin Wu, National Taiwan Sport University.


35 Competitive state anxiety: A construct in search of a new measurement model. Sharleen D. Hoar, University of Lethbridge, Damon Burton, Emma Grindley, Jennifer Knight, University of Idaho, M. Blair Evans, University of Lethbridge & Michael A. Pickering, Embry-Riddle Aeronautical University.

36 Measurement development & validation: Physical Self-Concept Scale for Older Adults (PSCS-O). Ya-wen Eva Hsu, Jing-horng Frank Lu & Feng-chun Nell Tsai, National Taiwan Sport University.

38 The Physical Activity Recall Assessment for People with Spinal Cord Injury – Short Version: Validity and reliability. Sen Hoong Phang, Kathleen A. Martin Ginis, McMaster University, Amy E. Latimer, Queen’s University & Kelly Arbour-Nicitopoulos, University of Toronto.

39 The Chinese version of Students’ Perceptions of Teacher Feedback in Physical Education: Developing validation and reliability. Lu-Chun Chang, Ho-Cheng Chou, & Ya-Wen Hsu, National Taiwan Sport University.

40 The Prosocial and Antisocial Behavior in Sport Scale: Further evidence of reliability and validity. Ian Boardley, Maria Kavussanu, Nicholas Stanger, & Christopher Ring, University of Birmingham.

41 Exploring the sources of different timescale dynamics from the spatial-temporal task constraints. Yeou-Teh Liu, National Taiwan Normal University & Karl M. Newell, the Pennsylvania State University.

5. Motor Learning

42 The “learned parameters” hypothesis as an explanation of the especial skill effect. Gavin Breslin, University of Ulster, Jordanstown, Nicola J. Hodges, University of British Columbia, Michael Hanlon, Rodney Kennedy, University of Ulster & A Mark Williams, Liverpool John Moores University.


44 Contextual interference and augmented feedback in young and old adults. Gily Meir, Rachel L. Judy, Jonae B. Perez, Will Wu, Douglas Young & Michael J. Cohen, California State University, Long Beach.

45 Examine the process of learning multiple-segmental movement as the example of learning to bike on roller trainer. Yung-Yi Fan & Hsiu-Hui Chen, National Taitung University.


47 The effect of relative frequency of knowledge of results on the acquisition and retention of simple motor skills in the contextual interference paradigm. Tom Parry, Southern Illinois University – Carbondale, Bill Wyatt & John B. Shea, Indiana University.

48 The effect of visual feedback on controlling ROM of leg press exercise. Ting-Hsuan Song & Yeou-Teh Liu, National Taiwan Normal University.

49 Effects of relative frequency of knowledge of results (KR) in motor skill acquisition: Absolute frequency or number of trials fixed. Fernanda Santos Oliveira, Herbert Ugrinowitsch, Lívia Gonçalves Gallo, Márcio Mário Vieira & Rodolfo Novellino Benda, Universidade Federal de Minas Gerais.

50 Effects of the level of learning in motor skill adaptability. Vitor L.S. Profeta, Rodolfo N. Benda, Claudio M.F. Leite, Aline H. Miguel & Herbert Ugrinowitsch, Universidade Federal de Minas Gerais.

52 Next-state comfort in learning a vertical stick transportation sequence. Andre Klostermann, Tobias Spinnler & Ernst J Hossner, University of Bern.

53 Context effects in the learning of two similar movement sequences. Stefan Panzer, University of Muenster, Udo Fries, Nicole Gruetzmacher, Leipzig University, Melanie Krüger, LMU Munich & Charles H Shea, Texas A & M.


56 Do older adults need past experience with exercise to have exercise self-efficacy? Carol Parise, Sutter Institute for Medical Research, Nick Galli, University of Utah & Ira B. Tager, University of California, Berkeley.

57 Relational efficacy in undergraduate sports science classes: Outcomes associated with students’ self-efficacy, other-efficacy, and RISE beliefs. Ben Jackson, Lauren K. Banting, J. Robert Grove, University of Western Australia & Mark R. Beauchamp, University of British Columbia.

58 Comparison feedback after good and poor trials in self-control and instructor-control condition in acquisition and learning of force-production task. Rasool Zeidabady, Elahe Arab Amery, Mahmood Sheikh & Meysam Ebrahim Motesharreyi, University of Tehran.

59 Learner-regulated feedback enhances ball putting learning. Tadao Ishikura, Doshisha University.

60 Amount of options affects learners in a self-controlled practice condition. Flavio H. Bastos, Andrea M. Freudenheim & Go Tani, University of São Paulo.

61 Children’s peer status and psychological make-up in physical education. Hsiu-tin Wu & Chu-Min Liao, National Taiwan Sport University.

6. Motor Development: Control/Performance/Lateralization

62 Development of sitting posture in children with cerebral palsy during intervention with and without stochastic noise. Joshua L. Haworth, University of Nebraska Omaha, Regina Harbourne, University of Nebraska Medical Center, Anastasia Kyvelidou, Fabien Cignetti & Nick Stergiou, University of Nebraska Omaha.

63 The developmental trajectory of newborn stepping in infants with and without Down syndrome. Dale A. Ulrich, University of Michigan, Yoo Seok Kang, Yong In University & Emily L. Bayer, Data-Driven Insights and George Washington University.
Developing sitting postural control and play in children with cerebral palsy. Elena Kokkoni, Jessica N Dempsey, University of Nebraska at Omaha, Regina T Harbourne, University of Nebraska Medical Center, Lisa Kelly Vance, Brigette Ryalls & Nicholas Stergiou, University of Nebraska at Omaha.

Do changes in motor skills affect infants’ sensitivity to object size and depth cues? Yu Guan & Daniela M. Corbetta, University of Tennessee.

Auditory motor adaptation in children with developmental coordination disorder. Renuka Roche, Priya Viswanathan, University of Maryland, Baltimore, Jane E. Clark, University of Maryland, College Park & Jill Whitall, University of Maryland, Baltimore.

Perceptual-motor development in rare target visual searches. Jin H. Yan & Youlian Hong, Chinese University of Hong Kong.

Developmental characteristics of toddlers and adults on a vertical jump motion. Dong-Wook Han, Chonbuk National University, Seonjin Kim, Seoul National University, Sullivan O’ David, Chung-Ang University & Seung-Min Lee, Chungnam National Universtiy.

Intermanual asymmetry in aiming: a developmental perspective. Ana Paula K Claudio & Luis Augusto Teixeira, University of São Paulo.

Does manual preference in reaching derive from intermanual asymmetry of performance in infants? Rosana M. Souza, University Federal of São Carlos, Raymundo M. Azevedo Neto, University of São Paulo, Eloisa Tudella, University Federal of São Carlos & Luis A. Teixeira, University of São Paulo.


Friday

1. Sport Psychology

1 “It’s not me, it’s you”: Big Five personality traits and relationship commitment in athlete dyads. Ben Jackson, J. Robert Grove, University of Western Australia, Daniel F. Gucciardi, University of Queensland & James A. Dimmock, University of Western Australia.


3 An expectancy-value approach to coach and parent influence on adolescent girls’ developmental experiences in sport. Jennifer A. Bhalla & Maureen R. Weiss, University of Minnesota.


8 Characteristics of sport spectators in Taiwan. Li-Shiue Gau, Asia University, Taiwan & Matthew T. Gailliot, University of Albany.

9 Sources of enjoyment among young soccer players. Catarina Sousa, University of California Los Angeles, Jaume Cruz, Carme Viladrich, Miquel Torregrosa, Autonomous University of Barcelona & Alex Garcia-Mas, University of Balearic Islands.

10 Unconscious priming in sequential movement perception. Iris Güldenpenning, Dirk Koester, Bielefeld University, Wilfroed Kunde, Dortmund University & Thomas Schack, Bielefeld University.

11 The relationship between negative self-talk and alpha power at the left temporal region of the brain. Tsung-Min Hung, National Taiwan Normal University.

12 Global trends of research performance of sports. Li-Shiue Gau, De-Chen Yu & Yuh-Shan Ho, Asia University, Taiwan.

13 Comparing the motives for watching sports in person and on TV. Gau, Li-Shiue, Asia University, Taiwan, Shih-Yao Lai, Asia University, Taiwan.

14 The development of a golf specific self-efficacy measure. Erik O. Gnagy & John Bartholomew, University of Texas at Austin.

15 Sport friendship quality in adapted sport athletes: Do basic psychological needs matter? Philip M. Wilson, Brock University, Enrique G. Bengoechea, McGill University, Diane E. Mack, Paige Gregson, Samuel Rimmer & Benjamin Sylvester, Brock University.

16 Unsportsmanlike aggression in youth hockey: Attitudes, perceived social approval, situational temptation, and role models. Maureen R. Weiss, Lindsay E Kipp, University of Minnesota & David Goodman, Simon Fraser University.

2. Applied Sport Psychology

17 The EEG characteristics of distraction prior to the imperative stimulus in table tennis players. Ling-Chun Chen & Tsung-Ming Hung, National Taiwan Normal University.
18 Deceleration in preparatory heart rate, anxiety, and balance beam performance. Bruce D. Hale & Britney N Niles, Penn State University – Berks.

19 Fear of negative evaluation is an antecedent to choking under pressure. Christopher Mesagno, University of Ballarat & Christopher M. Janelle, University of Florida.

20 Coping effectiveness in collegiate athletes. Jaclyn M. Poliseo & Meghan H McDonough, Purdue University.

21 Exploring the life skills for Taiwanese athletes. Chee Liou, Overseas Chinese University & Chu-Min Liao, National Taiwan Sport University.


23 Collective efficacy dispersion: A preliminary rugby lab study. Lori Dithurbide, Michigan State University, Philip Sullivan, Brock University, Deborah Feltz, Michigan State University & Graig Chow, UCLA.

24 Application of the sport commitment model to strength and conditioning. Windee M. Weiss & Danae Halupnik, University of Northern Iowa.

25 Relationship between dysfunctional childhood experiences and successful coping skills in elite endurance athletes. Paige Dunn & Alison Rhdius, John F. Kennedy University.

26 Self-definition in novice and expert tennis players. Deborah Kendzierski, Villanova University & Diane E. Whaley, University of Virginia.

27 Does verbal persuasion lead to changes in perceived and actual balance performance? Larkin Lamarche, University of Toronto, Kimberley L Gammage, Kinga Eliasz & Allan L Adkin, Brock University.

28 Does motor or visual experience enhance the detection of deceptive movements in soccer? Alexandra Pizzera, Psychological Institute & Markus Raab, German Sport University Cologne.

29 Self-regulated learning in sport: A review. Lindsay McCardle, University of Victoria.

30 Frontal theta, alpha, and beta comparison of executed and rejected shots in pistol shooting. Chien Liu & Tsung-Min Hung, National Taiwan Normal University.

31 Can imagery be used to enhance anticipation skill? Nicholas J. Smeeton, Jonathan Hibbert, Karl Stevenson, University of Brighton, Jennifer Cumming, University of Birmingham & A. Mark Williams, Liverpool John Moores University.

32 The relationships between coaching efficacy, collective efficacy, team performance and satisfaction in youth softball teams. Yen-hsin Chou, Chen-an Yu & Li-kang Chi, National Taiwan Normal University.
33 The role of individual- and group-focused self-talk on efficacy beliefs and dart-throwing performance. Veronica Son, Michigan State University, Ben Jackson & Bob Grove, University of Western Australia.

34 The coach-athlete dyad, basic psychological needs, and perceptions of autonomy supportive climates in American collegiate athletics. Raylene A.P. Ross, & Eva Monsma, University of South Carolina.

35 Towards understanding the effects of psychological copying ability on mental toughness in basketball players. Shih-Hsien Yen, Yu-Kai Chang, Tzu-Hui Kuo & Mu-Cheng Chin, National Taiwan Sport University.

36 The relationship between the quiet eye period and occipital lobe activity during the act of golf putting. Mark A. Guadagnoli, UNLV, Michael A. Gaetz, Chris Bertram, University of the Fraser Valley, Kristina Lindquist, PFI, Valeria Martinez, UNLV & Danika Dickson, University of the Fraser Valley.

37 Successful and unsuccessful performance differences in EEG Activity during golf putting. Chiao-Ling Hung, Jhih-Kuan Huang & Tsung-Min Hung, National Taiwan Normal University.

38 The relationship between reaction time and EEG activity in a cued reaction time task. Ming-Yang Zheng, NTNU, Jian-Ting Wu, University of Illinois & Tsung-Min Hung, NTNU.

3. Motor Development


40 Children’s use of allocentric cues in peripersonal and extrapersonal reach space. Cordova, Alberto, UTSA & Carl P. Gabbard, Texas A&M University.

41 Task concatenation effect on movement speed and accuracy relation. Tzu-Hsiang Lin & Yeou-Teh Liu, National Taiwan Normal University.

42 Perceiving balance constraint on children visually estimating reachability. Hsiao-Pu Yeh & Hsiu-Hui Chen, National Taitung University.

43 The developmental difference between children and adults with regard to the movement timing correction to an unexpected change in falling velocity. Shiro Miro, Yuji Aratake & Hiroshi Mizuochi, National Institute of Fitness and Sports in Kanoya.

44 Six- to 8-month-old infants’ reaching flexibility in response to contextual demands. Joshua L. Williams, Daniela M Corbetta & Benji D Craddock, University of Tennessee.

45 The development of ipsi- and contralateral hand foot coordination. Jessica M. Seaman, Jeffrey M Haddad, Lisa Goffman & Joong Hyun Ryu, Purdue University.

46 The development of asymmetric stance in early childhood. Renate van Zandwijk, Patricia M Hill & Jody L Jensen, University of Texas at Austin.
4. Motor Control: Coordination and Control Strategies/Attention


49 Abdominal drawing in maneuver training in healthy young adults using ultrasound imaging: Does the ability to activate the transversus abdominus in a supine position transfer to standing positions involving lifting and reaching tasks? Sue L. McPherson & Todd Watson, Western Carolina University.

50 Preferred patterns of joint motions and control strategies during arm movements in 3D. Wanyue Wang, Young-kwan Kim & Natalia Dounskaia, Arizona State University.


53 The hands tremor of piano players. Shih-Chiung Lai, National Taipei College of Nursing & Ru-Lin Lai, Nation Taiwan University of Arts.

54 Variability in outcome performance and whole body movement pattern. Ya-Ting Ku & Hsiu-Hui Chen, Taitung University.

55 Changing the effect of speed on accuracy and movement coordination. Hsiu-Hui, Chen, Ya-Ting Ku, Yu-Fang Hsiu & Hsiao-Pu Yeh, Taitung University.

56 Multi-joint coordination underlies the stability of upright standing. John P. Scholz, Eunse Park & Ryann Quinn, University of Delaware.

57 The role of force regulation in continuous and synchronization finger tapping. Yue Du, Jane E. Clark, University of Maryland, College Park & Jill Whitall, University of Maryland, Baltimore.

58 The impact of progressive fatigue on golf putting performance. Chris P. Bertram, UFV, Mark A. Guadagnoli, UNLV & Bassam Khaleel, UFV.

59 How one breaks Fitts’s Law and gets away with it. Cheryl M. Glazebrook, Luc Tremblay & Timothy N. Welsh, University of Toronto.

60 Fight or flight? Movement kinematics analyses of duel in fencing. Yin-Hua Chen, Verona University & Yeou-Teh Liu, National Taiwan Normal University.

61 Auditory motor integration in oral and manual effectors. Torrey M. Loucks, Edward Ofori, Christopher M. Grindrod, University of Illinois, Luc F De Nil, University of Toronto & Jacob J Sosnoff, University of Illinois.

63 Intermanual asymmetry in intralimb coordination when drawing circles. Carla F. Pereiro & Luis A. Teixeira, University of São Paulo.

64 The effects of reaching with the dominant and non-dominant hands on lower body musculature while sitting on a stability ball. Kelly J. Baute, Bill Wyatt, Eric Holten, Allison Berger & John B. Shea, Indiana University.


67 Do vision and audition influence bimanual timing coordination for in-phase and anti-phase patterns in a linear slide task? Elizabeth U. Grillo, West Chester University, Quincy Almeida, Wilfrid Laurier University, Timothy D. Lee, McMaster University & Katherine Verdolini Abbott, University of Pittsburgh.

68 Skill-based differences in visual search strategy according to road complexity and secondary task during simulated driving. Hye-In Lee, Seungha Park, Jung-Hyun Ji & Ji-Hea Lee, Ewha Womans University.

69 Examination of performance changes on a continuous task when adding a secondary electronic task. Jennifer J. Jeansonne & Kiran B Sehgal, Southeastern Louisiana University.

70 Information processing demands while texting on a simulated driving task. Jennifer M. Cobb, Zachary Fluster, Gregory Leder, Ashley Seaver, Joy L. Hendrick & James F. Hokenson, SUNY Cortland.


73 Standing long jump performance is enhanced when using an external focus of attention. Jared M. Porter, Erik Ostrowski, Russell Nolan, Southern Illinois University Carbondale & Will F.W. Wu, California State University, Long Beach.

74 Is movement automatization by dual-task practice restricted to non-sequential tasks? Klaus Blischke, Barbara Zehren, Florian Wagner, Thorsten Utter & Sebastian Brueckner, Universitaet des Saarlandes.

75 The beneficial effect of a probe task on motor learning depends on the type and the temporal locus of the probe task. Hui-Ting Goh, Katherine J. Sullivan, University of Southern California, Gabriele Wulf, University of Nevada, Las Vegas, James Gordon & Carolee Weinstein, University of Southern California.

76 The use of attentional focus, and examination of affect and arousal during motor performance and learning. Brian M. Williams, Jennifer J. Jeansonne, Daniel B. Hollander & Bovorn Sirikul, Southeastern Louisiana University.
Saturday

1. Sport Psychology

1. The predictive strength of emotional intelligence on emotional stability of basketball players. Youngjun Choi, Korea University & Seunghyun Hwang, Michigan State University.

2. The effect of high skill level in cricket batting on the relative age effect. Jeffrey Low, Paul R. Ford & Mark A. Williams, Liverpool John Moores University.


5. Braggin’ bruises: A symbolic interactionist approach to understanding female rugby selves through pain, contact and aggression. Shannon M. Baird & Kerry McGannon, University of Iowa.


7. Decision-making in poker using the skill-level paradigm. Joseph St. Germain & Gershon Tenenbaum, Florida State University.

8. The effect of positive emotions on broadening scope of attention and negative arousal undoing in sport. Chen-an Yu & Likang Chi, National Taiwan Normal University.

2. Applied Sport Psychology


11. Exploratory analysis of motivational climate in army reserve officer training corps leader’s training course. Sheryl L. Haile, College of the Ozarks.

12. A qualitative investigation of the psychosocial factors apparent in transitions from college to post-college careers within a male NCAA Division-1 Basketball sample. Paul G. Cummins, Edinburgh University.

14 The effect of 16 weeks different athletic activities on students adjustment. Gholamreza Zourmand, Sama Organization & Athanasios Papaioannou, Thessaly.

15 The relationships between hope and competitive state anxiety among tennis players: A mediation effect of sense of control. Chien-Wei Chen, National Taiwan Sport University, Li-Kang Chi, National Taiwan Normal University & Chien-Chih Hong, Tamkang University.

16 Achievement goal profiles and observational learning use: An exploratory investigation. Barbi Law, Nipissing University, Jennifer Cumming, University of Birmingham & Craig Hall, University of Western Ontario.

17 An examination of baseball batting technique changes following multiple-speed imagery intervention. Jenny O, California State University, East Bay & Craig R. Hall, University of Western Ontario.

18 Selection of the “open” side: An eye-tracking study on the expertise-based influence of conscious and unconscious cues on the penalty situation in soccer. Kai Essig, Bielefeld University, Richard Siegers, Radboud University Nijmegen, Matthias Weigelt, Heiko Lex & Thomas Schack, Bielefeld University.

19 Predicting athlete’s perceptions of coaching behavior in youth sport. Philip Sullivan, Kaitlyn LaForge, Brock University, Nicholas Holt, University of Alberta & Gordon Bloom, McGill University.

3. Special Populations


21 Gender variations in physical activity and well-being in individuals diagnosed with osteoporosis. Katie E. Gunnell, University of British Columbia, Diane E. Mack, Philip M. Wilson, Brock University & Peter R. E. Crocker, University of British Columbia.

22 Using social cognitive constructs to predict preoperative physical activity before total joint replacement. Bonnie A. Fiala, Ryan E Rhodes, University of Victoria, Chris Blanchard, University of Ottawa & John Anderson, University of Victoria.

23 Peer relationships and loneliness in athletes with physical disabilities. Deborah R. Shapiro, Georgia State University & Jeffrey J. Martin, Wayne State University.

24 Stress reactivity, health behaviors and compliance to medical treatment in breast cancer survivors. Kristina H. Karvinen, Nicholas Murray, East Carolina University, Hyder Arastu, Gloria Frelix & Ron Allison, Brody School of Medicine at East Carolina University.
25 The difference is more than floating: Breast cancer survivors’ decisions to join dragon boat teams and support groups. Meghan H. McDonough, Jaclyn M Poliseo, Purdue University, Sarah Ullrich-French, Washington State University & Catherine M. Sabiston, McGill University.

26 Examining implicit attitudes towards exercisers with a physical disability. Cassandra D. Dionne, Deborah O. O’Malley, Heather L. Gainforth & Amy E. Latimer, Queen’s University.

27 Social affordances could alleviate social interactions in individuals with autism spectrum disorder. David A. Gonzalez & Jim L. Lyons, McMaster University.

28 Inferior members’ and erector spinae’s muscular action potential in different angle positions of the knee during horseback riding: Therapeutic implications. Fernando Copetti, Universidade Federal de Santa Maria, Alessandra Pinheiro Vendrusculo, Centro Universitário Franciscano, Adriana Brondani, Universidade Federal de Santa Maria.

29 Grip force production linked to upper extremity kinematics describes impairments in bimanual motor control in children with hemiplegic cerebral palsy. Joanne Valvano, Jessica Davis, Nancy Denniston & Timothy Nicklas, The Children’s Hospital, Denver.

4. Interventions

30 A theory-based intervention designed to increase chronic low back pain patients’ adherence to physiotherapists’ recommendations: A pilot study. Chris Lonsdale, Aileen Murray, Megan Tennant Humphreys, University College Dublin, Suzanne McDonough, University of Ulster, Geoffrey Williams, University of Rochester & Deirdre Hurley, University College Dublin.

31 Physical activity, inactivity, and nutrition behavior among children: Investigating compensation and transfer effects. Claudio R. Nigg, University of Hawaii & Judith Vaeth, University of Karlsruhe.


33 One year follow-up of a physical activity based positive youth development program. Sarah C. Ullrich-French, Washington State University, Meghan H. McDonough & Amanda J. Kraemer, Purdue University.

34 Smoking cessation in women with severe mental illness: Acceptability of exercise as an adjunct treatment. Kelly P. Arbour-Nicitopoulos, Guy E. Faulkner, University of Toronto, Tony A. Cohn & Peter Selby, Centre for Addiction and Mental Health.

36 Effect of physical and psychological training program on psychological, neurological, and perceived wellness among Egyptian women above fifty years. Azza S. Elwesiemy.

37 Exploring the construct validity of the transtheoretical model to structure physical activity interventions for individuals with serious mental illness. Paul Gorczynski, Guy Faulkner, University of Toronto, Steven G Greening, University of Western Ontario & Tony Cohn, University of Toronto, Centre for Addiction and Mental Health.

38 Quiet eye training in golf putting: Can motor skill be improved by perceptual skill training? Seungmin Lee, Chungnam National Univ., Dong-Wook Han, Jeon-Buk National University & Seungha Park, Ewha Womans University.

39 Effects of an exercise intervention on depression, fatigue and exercise behavior change of chronic kidney disease patients. Yu-Hsiu Kao, National Taipei College of Nursing, Pei-Ying Chen, Taipei Veterans General Hospital, Yi-Ching Huang, Shih-Chiung Lai, National Taipei College of Nursing.

5. Motor Control: Neural Correlates/Sensorimotor/Motor Practice and Observation

40 Neural substrates for motor memory consolidation depend on practice conditions: A double dissociation of primary motor cortex and dorsolateral prefrontal cortex. Shailesh S Kantak, Katherine J Sullivan, Beth E Fisher, University of Southern California, Barbara J Knowlton, University of California, Los Angeles & Carolee J Winstein, University of Southern California.

41 Does rhythm enhances the flexibility of upper extremity post stroke? Amit Sethi, North Florida/South Georgia Veterans Health Administration/University of Florida, Tara S. Patterson, Providence VA Medical Center/Brown University, Theresa McGuirk, North Florida/South Georgia Veterans Health Administration/University of Florida, Lorie G. Richards, North Florida/South Georgia Veterans Health Administration/University of Florida.


44 Controllability of motor imagery in neglect patients. Nadja Schott, University of Stuttgart, Heide Korbus, University of Heidelberg, Marie Ottillie Frenkel, University of Stuttgart & Gundhild Leifert-Fiebach, University of Heidelberg.

45 Cortical and subcortical contributions to the control of posture and goal directed reaching after stroke. Sandy A. McCombe Waller, George Wittenberg & Mark Rogers, University of Maryland, Baltimore.
The dorsal stream anticipates future actions. Laura J. Claxton, Jessi Witt, Jeffrey M Haddad, Joong Huyn Ryu, & Katelyn Ponto, Purdue University.


The role of multisensory information in estimating the landing time of a flying ball. Hiroki Nakamoto & Shiro Mori, National Institute of Fitness & Sports in Kanoya.


The effect of visual distractors on anticipatory actions. Welber Marinovic, University of Queensland, Flavio H. Bastos, University of Sao Paulo & Guy Wallis, University of Queensland.

Concurrent visual feedback, practice organization, and spatial aiming accuracy in rapid movement sequences. David E. Sherwood & Brian Duffell, University of Colorado.

Visual search under task constraints while anticipating the results of basketball free throws. Yukimasa Ishibashi, Takaaki Kato, Tomohisa Nagano, Yuji Ohgi & Mitsuo Sasaki, Keio University.

Regulation of interceptive actions: Effects of expectancy about upcoming target velocity and practice. Raymundo Machado de Azevedo Neto & Luis Augusto Teixeira, University of Sao Paulo.


Exploring the relationship between passers and receivers in basketball lead passes. Yu Hsu & Yeou-Teh Liu, National Taiwan Normal University.

Is there an advanced aging effect on the ability to mentally represent action? Carl P. Gabbard, Texas A&M University, Alberto Cordova, University of Texas A&M – San Antonio & Priscila Caçola, Texas A&M University.

The effect of goalkeepers adopting Müller-Lyer postures. Jae Ho Shim, Baylor University, Rich S.W. Masters, Jamie M. Poolton, University of Hong Kong & John van der Kamp, VU University.

Sleep related enhancement in motor performance: gross vs. fine motor tasks. Steffen Schmidt, University of Karlsruhe, Daniel Erlacher, University of Heidelberg, Klaus Blischke, Sebastian Brueckner, Saarland University & Friedrich Müller, University of Heidelberg.


The effects of short-term observational practice on acquisition and retention of movement. Mu-Cheng Chin, Wu-Chou Chen & Yu-Kai Chang, National Taiwan Sport University.


63 The role of the thumb in mental rotation of hands. Bettina E. Blaesing, Matthias Weigelt, Jenny Haemisch, Tilman Dulisch, University of Bielefeld, Peter Brugger, University Hospital Zurich & Thomas Schack, University of Bielefeld.

6. Exercise Psychology

64 I’m Stressed!: How does that make me feel about exercise? Rafer Lutz, Baylor University, Matthew Stults-Kolehmainen, Northern Illinois University & John B. Bartholomew, University of Texas at Austin.

65 Automatic and motivational correlates of physical activity: Does intensity moderate the relationship? Ryan E. Rhodes, University of Victoria, Gert-Jan de Bruijn, University of Amsterdam & Rachel Mark, University of Victoria.


68 Brain drain: Cognitive task performance depletes maximum voluntary effort for exercise. Steven R. Bray, Jeffrey Graham, Kathleen A. Martin Ginis & Audrey L. Hicks, McMaster University.

69 Acute effects of indoor cycling exercise on mood state. Marius Craciun, Claudia Lenuta Rus & Serban Dobosi, Babes Bolyai University.

70 Advancing the exercising personality in an adult sample: A look into mechanisms of change. Marc Lochbaum, Kyle Litchfield, Texas Tech University, Ryan Rhodes, University of Victoria & Leslie Podlog, Texas Tech University.

71 An examination of integrated regulation versus exercise identity. Lindsay Duncan, Craig R Hall & Sarah Cobourn, University of Western Ontario.


73 Effects of an acute exercise on cognitive aspects of the Wisconsin Card Sorting Test. Chun-Chih Wang, Yu-Kai Chang, Feng-Tzu Chen, Kang-Hao Lu & Tzu-Hui Kuo, National Taiwan Sport University.
74 Effects of an acute exercise on executive function in middle-aged adults. Yu-Kai Chang, National Taiwan Sport University, Jeffrey D. Labban, University of North Carolina at Greensboro, Chun-Chin Wang & Feng-Tzu Chen, National Taiwan Sport University.

75 Self-regulatory efficacy and activity: Examining gradations of challenge. Kathleen S. Wilson, Kevin S Spink & Carly S. Priebe, University of Saskatchewan.

76 Psychological effects of synchronous music on Tai Chi exercise. Linxuan Guo, Hong Kong Baptist University.


78 Trends and changes in behavioural physical activity research over the last two decades: A quantitative review. Ryan E. Rhodes, University of Victoria & Gabriella Nasuti, University of Victoria.


81 The effects of acute exercise on cognitive performance: A comprehensive meta-analytic review. Yu Kai Chang, National Taiwan Sport University, Jeffrey D. Labban, Jennifer I. Gapin & Jennifer L. Etnier, University of North Carolina at Greensboro.

82 Enjoyment and the distraction hypothesis: Reading for pleasure versus school on affective responses to exercise. Rachel Foster, Thomas D. Raedeke, Kristina Karvinen, David Loy & Nicholas P. Murray, East Carolina University.

83 A little bit goes a long way: The effects of a wheelchair sport session on social cognitive theory constructs and leisure time physical activity among people with physical disabilities. Brianne L. Foulon, Kathleen A. Martin Ginis, McMaster University, Cortney Benedict, Ontario Wheelchair Sports Association & Amy E. Latimer, Queen’s University.