

Wednesday, June 3, 2015

8:00am – 5:00pm **Executive Committee Meeting** (Skyline IV – 23rd Floor)

2:30pm – 6:30pm **Pre-Conference Workshop: A didactic introduction to latent variable modeling**

Room: Forum (3rd Floor)

Organizers: Brian F. French, Washington State University; Holmes Finch, Ball State University

2:30pm – 5:00pm **Pre-Conference Workshop: How'd they do that? Entering the funding game at mid- or late-career**

Room: Council (3rd Floor)

Organizer: Alan L. Smith, Michigan State University

Thursday, June 4, 2015

8:15am – 9:45am **Concurrent Sessions**

Special Symposium – Things we have learned in group dynamics (so far): A tribute to Dr. Bert Carron

Room: Pavilion East

Organizer: Mark A. Eys, Wilfrid Laurier University

Discussant: Deborah Feltz, Michigan State University

Moderator: Mark A. Eys, Wilfrid Laurier University

Symposium Overview

Mark A. Eys, Wilfrid Laurier University

“Simple is better”... The game location framework of home advantage in sports

Steven R. Bray, McMaster University

“What to expect when you're expecting”...athletes to fulfill their role responsibilities

Mark A. Eys, Wilfrid Laurier University

Through the cohesion looking glass and what Bert saw

Kevin S. Spink, University of Saskatchewan

The group as a medium for influencing physical activity intervention

Lawrence R. Brawley, University of Saskatchewan

Motor Control and Learning Verbal Presentations – Attention and Anticipation

Room: Pavilion West

Moderator: Atilla Kovacs, UW-La Crosse

8:15 **Cognitive processes underlying anticipation in a context-oriented task**

Colm P. Murphy, Brunel University London; Robin C. Jackson, Brunel University London; André Roca, St Marys University; A. Mark Williams, Brunel University London

8:30 **Influence of internal versus external focus of attention on catching in children**

Reza Abdollahipour, Palacky University; Rudolf Psotta, Palacky University; Gabriele Wulf, University of Nevada, Las Vegas; Adrian Agricola, Palacky University; Ludvik Valtr, Palacky University

- 8:45 **The influence of an anterior load on attention demand and obstacle clearance before, during, and after an obstacle crossing**
Deanna Saunders, Natalie Richer, Deb Jehu, Nicole Paquet, & Yves Lajoie, University of Ottawa
- 9:00 **Effect of dual task on choice reaction step initiation**
Ruopeng Sun, Caleb S. Hartley, & John B. Shea, Indiana University
- 9:15 **Differences in mu rhythm between successful and unsuccessful golf putting performance in skilled golfers**
Kuo Pin Wang, National Taiwan Normal University; Tai Ting Chen, National Taiwan Normal University; Yi Ting Chang, National Taiwan Normal University; Ming Yang Cheng, National Taiwan Normal University; Chung Ju Huang, University of Taiwan; Tsung Min Hung, National Taiwan Normal University
- 9:30 **Through the eyes of the elite level athlete: Visual search of world-class tennis players when anticipating returning 100mph plus serves**
Melissa Hunfalvay, RightEye, LLC; Nicholas Murray, East Carolina University

Developmental Perspectives Symposium – Moving on with assessment methods of motor and perceived competence in children

Room: Broadway I

Organizer: An De Meester, Ghent University

Discussant: Nancy Getchell, University of Delaware

Moderator: David Anderson, San Francisco State University

Symposium Overview

An De Meester, Ghent University; Leah E. Robinson, University of Michigan; Lisa M. Barnett, Deakin University; Sam W. Logan, Oregon State University; Danielle R. Nesbitt, University of South Carolina

Validity of the Pictorial Scale of Perceived Movement Skill Competence

Lisa M. Barnett, Deakin University; Spyridoula Vazou, Iowa State University; Leah E. Robinson, University of Michigan; Nicola D. Ridgers, Deakin University; Jo Salmon, Deakin University

Comparison of performances on process- and product-oriented motor assessments

Samuel W. Logan, Oregon State University; Leah E. Robinson, University of Michigan; Lisa M. Barnett, Deakin University; Jacqueline D. Goodway, Ohio State University; David F. Stodden, University of South Carolina

Development and reliability testing of a video-based instrument designed to assess perceived motor skill competence in children

Leah E. Robinson, University of Michigan; Kara K. Palmer, University of Michigan; William M. Carter, Auburn University; Abigail L. Dennis, Auburn University; Jeffery K. Ward, Auburn University; Shelby L. Davis, Auburn University

Actual and perceived motor competence assessment in relation to children's motivation towards sports and community sports participation

An De Meester, Ghent University; Johan Pion, Ghent University; David F. Stodden, University of South Carolina; Greet Cardon, Ghent University; Matthieu Lenoir, Ghent University; Leen Haerens, Ghent University

Feasibility of supine-to-stand time as a measure of lifespan motor competence

Danielle R. Nesbitt, University of South Carolina; David S. Phillips, Southern Utah University; David F. Stodden, University of South Carolina

Motor Control and Learning Verbal Presentations – Coordination Dynamics

Room: Broadway III

Moderator: Howard Zelaznik, Purdue University

- 8:15 **Asymmetrical balance control during a simple kicking movement**
Adam King, Truman State University; Trudi Gatteys, Truman State University; Zheng Wang, University of Texas Southwestern Medical Center

- 8:30 **Haptic information is more reliable than visual information in learning a novel pattern of bimanual coordination**
Shaochen Huang, University of Wyoming; Jiancheng Zhang, Shanghai University of Sport; Jie Ren, Shanghai University of Sport; Geoffrey Bingham, Indiana University; Qin Zhu, University of Wyoming
- 8:45 **Assessing bimanual coordination with the Microsoft Kinect**
Joshua J. Liddy, Jeffrey M. Haddad, Jessica E. Huber, Laura J. Claxton, Shirley Rietdyk, & Howard Zelaznik, Purdue University
- 9:00 **Bimanual coordination dynamics under social pressure**
John J. Buchanan, Texas A & M University; Inchon Park, Texas A&M University; Jing Chen, Texas A&M University; Ranjana Mehta, Texas A&M Health Science Center; David L. Wright, Texas A&M University
- 9:15 **Multi-muscle activation patterns for fine and gross pointing movements differ across visual conditions**
Sara A. Wings & Jan M. Hondzinski, Louisiana State University
- 9:30 **Multi-frequency bimanual force production: 1:2 vs 2:1**
Deanna M. Kennedy, Joohyun Rhee, & Charles H. Shea, Texas A&M University

9:45am – 10:00am **Refreshment Break**

10:00am – 11:30am **Concurrent Sessions**

Sport and Exercise Psychology Verbal Presentations – Group Dynamics

Room: Pavilion East

Moderator: Philip Sullivan, Brock University

- 10:00 **Psychological climate and cohesion in sport: A multilevel perspective**
Colin D. McLaren & Kevin S. Spink, University of Saskatchewan
- 10:15 **Everything is cool when you're part of a team? Interdependence influences cognitions, emotions, but not performance under pressure**
Svenja A. Wolf, University of British Columbia; Katharina Geukes, University of Münster; Felix Heldmann, German Sport University Cologne; Oliver Schulz, German Sport University Cologne
- 10:30 **Effect of group constructs on athlete sport commitment**
Colin D. McLaren, Kayla B. Fesser, Jocelyn D. Ulvick, Alyson J. Crozier, & Kevin S. Spink, University of Saskatchewan
- 10:45 **Examining social identity and intrateam moral behaviors in competitive youth ice hockey using stimulated recall**
Mark W. Bruner, Nipissing University; Ian D. Boardley, University of Birmingham; Sara Buckham, Queens University; Zachary Root, Nipissing University; Chris Forrest, Nipissing University; Jean Côté, Queen's University
- 11:00 **Disentangling how perceptions of role performance are related to role acceptance and group cohesion**
Alex J. Benson, Wilfrid Laurier University; Mark W. Surya, Wilfrid Laurier University; Mark A. Eys, Wilfrid Laurier University; Steven R. Bray, McMaster University
- 11:15 **Stable or dynamic: Exploring the dynamics of groupness during an activity class**
Kathleen S. Wilson, Kathryn McLeland, & Sarah Hamamoto, California State University, Fullerton
- 11:30 **Psychosocial predictors of adolescent girls' physical activity and dietary behaviors after completing the Go Girls! group-based mentoring program**
A. Justine Dowd*, University of British Columbia; Michelle Y. Chen, University of British Columbia; Toni Schmader, University of British Columbia; Mary E. Jung, University of British Columbia at Okanagan; Bruno D. Zumbo, University of British Columbia; Mark R. Beauchamp, University of British Columbia
*SCAPPS Franklin Henry Young Scientist Award Winner

Motor Control and Learning Verbal Presentations – Special Populations

Room: Pavilion West

Moderator: David Mann, Vrije University

- 10:00 **Dopaminergic interactions between anxiety and processing of the environment in PD**
Kaylena A. Ehgoetz Martens*, University of Waterloo; Colin G. Ellard, University of Waterloo; Quincy J. Almeida, Wilfrid Laurier University *Outstanding Student Paper Award Recipient
- 10:15 **Use of three-dimensional motion analysis to investigate motor learning from action observation training with immediate physical practice in chronic stroke**
Kita Sugg, Murdoch University; Alasdair Dempsey, Murdoch University; Sean Muller, Murdoch University; Carolee Winstein, University of Southern California
- 10:30 **Improving hand dexterity in stroke by breaking maladaptive finger coordination patterns**
Rajiv Ranganathan, Michigan State University
- 10:45 **Perception-action in children diagnosed with Autism Spectrum Disorder**
Attila Kovacs, Michael Schiller, Garth Tymeson, Teri J Hepler, Rachel Medenwaldt, Lauren Bradley, & Trevor Dominy, University of Wisconsin - La Crosse
- 11:00 **The influence of cognitive load and sensory cues on visual attention in freezers**
Eric N. Beck, Wilfrid Laurier University; Kaylena A. Ehgoetz Martens, University of Waterloo; Quincy J. Almeida, Wilfrid Laurier University
- 11:15 **Hysteresis and motor planning in children with Autism Spectrum Disorder**
Daisha L. Cummins, Kodey Myers, & Breanna E. Studenka, Utah State University

Developmental Perspectives Verbal Presentations – Rudimentary Movement During Infancy

Room: Broadway I

Moderator: Daniela Corbetta, University of Tennessee

- 10:00 **Evidence of object prioritization in infancy**
Amanda J. Arnold, Alex Collignon, Priscilla Gaona, Rhiannon Sheets, Stephanie Smith, & Laura J. Claxton, Purdue University
- 10:15 **The impact of holding a toy on arm guard positions in newly standing infants**
Amanda J. Arnold, Alex Collignon, Priscilla Gaona, Rhiannon Sheets, Stephanie Smith, & Laura J. Claxton, Purdue University
- 10:30 **Physical activity from infancy through toddlerhood**
Janet L. Hauck, Michigan State University; Dale A. Ulrich, University of Michigan
- 10:45 **Three month old infants do not show preference for social images**
Jordan Grubaugh, Pradeep Ambati, Nick Lempke, Ben Senderling, & Anastasia Kyvelidou, University of Nebraska at Omaha
- 11:00 **Where do infants look the most when preparing to reach: To the hand holding the target object or to the object target itself?**
Rebecca F. Wiener, Sabrina L. Thurman, & Daniela Corbetta, University of Tennessee
- 11:15 **Assessing newborn crawling in response to terrestrial optic flow**
Vincent Forma, Paris Descartes University; David I. Anderson, San Francisco State University; Marianne Barbu-Roth, Paris Descartes University

Sport and Exercise Psychology Verbal Presentations – Physical Activity and Cognition

Room: Broadway III

Moderator: Yu-Kai Chang, National Taiwan Sport University

- 10:00 **The moderating effect of apolipoprotein (ApoE) genotype on cognitive performance in response to chronic physical activity: The Physical Activity and Alzheimer's Disease (PAAD) Study**
Jennifer L. Etner, Jeffrey D. Labban, William N. Dudley, William B. Karper, Vincent C. Henrich, ChiaHao Shih, Aaron T. Piepmeyer, & SeYun Park, University of North Carolina at Greensboro
- 10:15 **The impact of physical activity and social engagement on cognition in Alzheimer's disease**
Jennifer J. Heisz, McMaster University; Ilana B. Clark, McMaster University; Susan Vander Morris, Baycrest
- 10:30 **Comparison of the Stroop color-word interference effects on elderly open-skill and closed-skill exercise participants: An ERP analysis**
Lan-ya Chuang, National Taiwan Normal University; Chung-Ju Huang, University of Taipei; Tsung-Min Hung, National Taiwan Normal University
- 10:45 **Dose-response and time-course effects of acute resistance exercise on core executive functions**
Christopher J. Brush, Ryan L. Olson, Steven Osovsky, & Brandon L. Alderman, Rutgers University
- 11:00 **Coordinative and aerobic exercise make children clever!**
Flora Koutsandréou, Medical School Hamburg; Mirko Wegner, University of Bern; Henning Budde, Medical School Hamburg
- 11:15 **The effect of acute bout exercise on executive function in children with Attention Deficit Hyperactivity Disorder**
Suyen Liu & Yuan-Hung Lee, National Chung Cheng University

11:30am – 12:45pm Student-Faculty Event and Meetings

Student-Faculty Event (Galleria II – Ballroom Level)

Past-Presidents' Lunch (Skyline III – 23rd Floor)

Area Program Chairs' Meeting (Studio – 3rd Floor)

12:45pm – 2:00pm Conference Welcome and Human Kinetics Lecture (Pavilion East & West)

Conference Welcome and Introduction of Human Kinetics Lecturer

Alan L. Smith, Michigan State University, NASPSPA Past-President

Human Kinetics Lecture – Sport smarts and empty minds: Enactivism and highly skilled performance

Jesús Ilundáin-Agurreza, Linfield College

2:15pm – 3:45pm Early Career Distinguished Scholar Lectures (Pavilion East & West)

Moderator: Alan L. Smith, Michigan State University

Acute exercise makes you smarter: What, how, and why?

Yu-Kai Chang, National Taiwan Sport University

Reflecting upon the past...while shaping the future: Early movement experiences that support positive developmental trajectories

Leah E. Robinson, University of Michigan

4:00pm – 5:30pm **Poster Session #1** (Foyer outside meeting rooms; Cash Bar)

Moderators: Brandon L. Alderman, Rutgers University
Janet Hauck, Michigan State University
Jan Hondzinski, Louisiana State University

See back pages of this conference program for a list of the posters. Please set up posters by Noon. If you have an odd numbered poster, please stand at your poster from 4:00-4:45pm. If you have an even numbered poster, please stand at your poster from 4:45-5:30pm.

5:45pm – 6:15pm **Presentation of Distinguished Scholar Awards** (Pavilion East & West)

6:15pm – 7:30pm **Wine and Cheese Happy Hour** (23rd Floor)

Please join us for wine and light hors d'oeuvres and offer congratulations to our distinguished scholars. Dinner is on your own after this event.

Friday, June 5, 2015

6:30am – 8:15am **JSEP Editorial Board Breakfast Meeting** (Directors – 3rd Floor)

8:15am – 9:45am **Concurrent Sessions**

Sport and Exercise Psychology Verbal Presentations – Interpersonal Behaviors and Relationships in Sport

Room: Pavilion East

Moderator: Kathleen S. Wilson, California State University

- 8:15 **Understanding coaches' reported interpersonal behaviors**
Meredith Rocchi, & Luc Pelletier, University of Ottawa
- 8:30 **The Situation in Sport Questionnaire: A new measure to tap into coaches' motivating style from the perspective of self-determination theory**
Jochen Delrue, University of Ghent; Maarten Vansteenkiste, University of Ghent; Gert Vande Broek, University of Leuven; Leen Haerens, University of Ghent; Nathalie Aelterman, University of Ghent; Katrien Franssen, University of Leuven; Steven Decroos, University of Leuven; Bart Reynders, University of Leuven
- 8:45 **The effects of valence and style of feedback provision on need satisfaction, self-talk, and persistence among tennis players: An experimental study**
Gert-jan De Muynck, Maarten Vansteenkiste, Jochen Delrue, Nathalie Aelterman, Bart Soenens, & Leen Haerens, Ghent University
- 9:00 **Sibling comparisons and perceived sport competence in young athletes**
Jordan A. Blazo, Alan L. Smith, & Deborah A. Kashy, Michigan State University
- 9:15 **Associations among markers of the parent-child relationship and parent experiences of burnout and engagement in organized youth sport**
J. D. DeFreese, University of North Carolina at Chapel Hill; Travis E. Dorsch, Utah State University; Travis Flitton, Utah State University
- 9:30 **The impact of evidence-based parent education in organized youth sport: A pilot study**
Michael Q. King, Travis E. Dorsch, Charles R. Dunn, Keith V. Osai, & Sarah Tulane, Utah State University

Motor Control and Learning Verbal Presentations – Perception and Action

Room: Pavilion West

Moderator: William Berg, Miami University

- 8:15 **Motor contagion in single-limb stance by means of biological and non-biological point light displays**
Eric Eils, Sascha Richter, Hendrik Kuhlmann, Marc de Lussanet, & Karen Zentgraf, University of Münster
- 8:30 **Passing accuracy during a peripheral response and recognition task**
Derek Panchuk & Michael Maloney, Australian Institute of Sport
- 8:45 **Examining sensory recalibration during blind-walking using a continuous pointing task**
James J. Burkitt, McMaster University; Jessica K. Skultety, McMaster University; Brian A. Richardson, McMaster University; Jennifer L. Campos, Toronto Rehabilitation Institute, University Health Network and University of Toronto; James L. Lyons, McMaster University
- 9:00 **Motor-evoked potentials in the lower back, using TMS, correlate with visually perceived lifted weight**
Frank Behrendt, University of Münster, Germany; Marc de Lussanet, University of Münster; Volker Zschorlich, University of Rostock
- 9:15 **Detecting single-target changes in multiple object tracking: The case of peripheral vision**
Christian Vater, Ralf Kredel, & Ernst-Joachim Hossner, University of Bern
- 9:30 **Sport-specific perceptual-skill acquisition can be enhanced by degrading peripheral visual information**
Donghyun Ryu, The University of Hong Kong; David L. Mann, VU Amsterdam; Bruce Abernethy, The University of Queensland; Jamie M. Poolton, Leeds Beckett University

Developmental Perspectives Verbal Presentations – Mobility and Motor Behaviors Across the Lifespan

Room: Broadway I

Moderator: Nancy Getchell, University of Delaware

- 8:15 **Anxiety-related changes in the conscious control of gait: implications for fall-risk and rehabilitation in older adults**
William R. Young & A. Mark Williams, Brunel University London
- 8:30 **End-state comfort across the lifespan: A cross-sectional investigation of how the mode of action execution influences motor planning in an overturned glass task**
Sara M. Scharoun*, University of Waterloo; David A. Gonzalez, University of Waterloo; Eric A. Roy, University of Waterloo; Pamela J. Bryden, Wilfrid Laurier University
*Outstanding Student Paper Award Recipient
- 8:45 **Does Nordic walking training improve gait performance and postural stability in older adults?**
Chris M. Dalton & Julie Nantel, University of Ottawa
- 9:00 **Developmental trajectories in actual and perceived motor competence, physical activity, and health-related fitness as predictors of weight status**
Jacqueline D. Goodway, The Ohio State University; David F. Stodden, University of South Carolina; Ali S. Brian, Louisiana Tech University; Seung Ho Chang, Sam Houston State University; Rick Ferkel, Campbellsville University; Larissa True, SUNY Cortland; Ruri Famelia, The Ohio State University; Emi Tsuda, The Ohio State University
- 9:15 **Distance travelled and proximity patterns in mother-infant dyads during the transition from independent infant standing to walking onset**
Sabrina L. Thurman & Daniela Corbetta, University of Tennessee
- 9:30 **Robot-aided visuo-motor training improves proprioceptive and motor function in healthy adults**
Naveen Elangovan & Joshua E. Aman, University of Minnesota

Sport and Exercise Psychology Symposium – Promoting children’s physical and mental health through the lens of developmental circus arts

Room: Broadway III

Organizer: Spyridoula Vazou, Iowa State University

Discussant: Jacqueline L. Davis, University of British Columbia

Moderator: Cheryl P. Stuntz, St. Lawrence University

Symposium overview

Spyridoula Vazou, Iowa State University

A theoretical framework for developmental circus arts

Jacqueline L. Davis, University of British Columbia

Bridging the gap between relatedness and physical activity through youth circus participation

Spyridoula Vazou, Iowa State University; Jacqueline L. Davis, University of British Columbia; Jennifer Agans, Tufts University; Tal Jarus, University of British Columbia

Youth circus training at Fern St. Circus: Making the ordinary extraordinary and letting the extraordinary be ordinary

Doyle Ott, Sonoma State University

Case histories in youth circus education

Jo Montgomery, School of Acrobatics and New Circus Arts

Circus as a physical literacy approach in PE in grades 4 and 5

Dean Kriellaars, Tia Kiez, & Patrice Aubertin, University of Manitoba

9:45am – 10:00am **Refreshment Break**

10:00am – 11:15am **Concurrent Sessions**

Sport and Exercise Psychology Verbal Presentations – Partners in Physical Activity

Room: Pavilion East

Moderator: Mark W. Bruner, Nipissing University

- 10:00 **Exercise “dating”: Instigating preferred social support for exercise through a match-making website for women cancer survivors**
Catherine Sabiston, University of Toronto; Steve Amireault, University of Toronto; Katherine Tamminen, University of Toronto; Angela Fong, University of Toronto; Jennifer Jones, Princess Margaret Cancer Center
- 10:15 **Influence of health coaching on autonomy and wellness outcomes**
Miranda P. Kaye, Gary A. Sforzo, Frank Micale, & Sarah Simunovich, Ithaca College
- 10:30 **Examining the Koehler motivation effect with software-generated partners in repeated sessions of aerobic exercise**
Emery J. Max, Michigan State University; Stephen Samendinger, Michigan State University; Benjamin D. Spencer, Michigan State University; Brian Winn, Michigan State University; Gregory Kozma, Michigan State University; William Jeffery, Michigan State University; Norbert L. Kerr, Michigan State University; Karin A. Pfeiffer, Michigan State University; Samuel T. Forlenza, Shippensburg University; Deborah L. Feltz, Michigan State University
- 10:45 **Can intergroup competition with a virtual partner boost the Koehler effect?**
Tayo M. Moss, Deborah L. Feltz, & Norbert L. Kerr, Michigan State University
- 11:00 **Intra-team competition amongst ice hockey referees**
David J. Hancock, Indiana University Kokomo; Luc J. Martin, University of Lethbridge; Kyle F. Paradis, Western University

Motor Control and Learning Verbal Presentations – Movement Accuracy, Timing, and Variability

Room: Pavilion West

Moderator: John Buchanan, Texas A&M University

- 10:00 **Different damping responses explain different vertical endpoint errors between visual conditions**
Jan M. Hondzinski, Sara A. Wings, Allyson E. French, & Chelsea M. Soebbing, Louisiana State University
- 10:15 **Motor output variability (Schmidt et al., 1979) revisited**
Charles H. Shea, Deanna M. Kennedy, & Chaoyi Wang, Texas A&M University
- 10:30 **Generality and specificity in individual differences in Fitts' law**
Howard N. Zelaznik & Laura Beckman, Purdue University
- 10:45 **Do young and old adults exhibit different temporal control of gross and fine motor tasks? Evidence for dissociable timing mechanisms**
Sushma Alphonsa, Daisha L. Cummins, Kodey Myers, Zach T. Skabelund, & Breanna E. Studenka, Utah State University
- 11:00 **An effector-specific secondary motor task modulates action prediction after physical but not visual practice**
Desmond E. Mulligan, University of British Columbia; Keith R. Lohse, Auburn University; Nicola J. Hodges, University of British Columbia

Developmental Perspectives Symposium – Psychometric data for the Test of Gross Motor Development – 3rd edition from a transnational cohort

Room: Broadway I

Organizer: E. Kipling Webster, University of Michigan

Discussant: Jacqueline D. Goodway, The Ohio State University

Moderator: Ting Liu, Texas State University

Test of Gross Motor Development – 3rd edition

Dale A. Ulrich, University of Michigan

Revisions for the Third Edition of the Test of Gross Motor Development

Dale A. Ulrich & E. Kipling Webster, University of Michigan

Test of Gross Motor Development – 3rd edition: Psychometric properties for a Brazilian cohort

Nadia C. Valentini, Federal University of Rio Grande do Sul; E. Kipling Webster, University of Michigan; Dale A. Ulrich, University of Michigan

Psychometric properties for a United States cohort for the Test of Gross Motor Development – 3rd edition

E. Kipling Webster, E. Andrew Pitchford, & Dale A. Ulrich, University of Michigan

Reliability and validity of the Test of Gross Motor Development 3 (German version) – Results

Matthias O. Wagner, University of Konstanz; E. Kipling Webster, University of Michigan; Dale A. Ulrich, University of Michigan

Motor Control and Learning Verbal Presentations – Practice Conditions

Room: Broadway III

Moderator: Rajiv Ranganathan, Michigan State University

- 10:00 **Role of visuospatial processes in learning from demonstration: Implications for human-robot dynamics**
Rodolphe J. Gentili, Hyuk Oh, Di-Wei Huang, Garrett E. Katz, & James A. Reggia, University of Maryland
- 10:15 **On- and off-line learning improve children's motor performance**
Jin H. Yan, Shenzhen University; John Chan, Beijing Normal University
- 10:30 **The number of instructional statements contributes to explicit learning decrements in a golf putting task**
Kevin Fisher, Central Michigan University; Jeff Fairbrother, University of Tennessee

10:45 **Part-whole practice of continuous multifrequency bimanual movements**
Stefan Panzer, Saarland University; Falko Döhring, Saarland University; Charles H. Shea, Texas A&M University

11:00 **The role of cognitive effort and error processing in the contextual interference effect during perceptual-cognitive skills training**
David P. Broadbent, Liverpool John Moores University; A. Mark Williams, Brunel University London; Joe Causer, Liverpool John Moores University; Paul R. Ford, Liverpool John Moores University

11:30am – 12:30pm **Motor Control and Learning Keynote Lecture (Pavilion East & West)**

Behavioral dynamics of locomotion: From stepping to swarming

William H. Warren, Brown University

Moderator: William P. Berg, Miami University

1:00pm – 3:00pm **Business Meeting and Award Lunch (Pavilion East & West; bring ticket for boxed lunch)**

3:15pm – 5:00pm **Senior Lecturer Presentations (Pavilion East & West)**

Moderator: Maureen R. Weiss, University of Minnesota

The quiet eye: Origins and future directions

Joan Vickers, University of Calgary

Stress and adaptation in sport and exercise: Does coping matter?

Peter R.E. Crocker, University of British Columbia

I want it all and I want it now! How the first generation of pediatric mobility technology could change rehab across the lifespan

James C. (Cole) Galloway, University of Delaware

5:15pm – 6:45pm **Poster Session #2 (Foyer outside meeting rooms; Cash Bar)**

Moderators: Samuel W. Logan, Oregon State University
Nicola J. Hodges, University of British Columbia
Eva Monsma, University of South Carolina

See back pages of this conference program for a list of the posters. Please set up posters by Noon. If you have an odd numbered poster, please stand at your poster from 5:15-6:00pm. If you have an even numbered poster, please stand at your poster from 6:00-6:45pm.

7:00pm **Student Meeting followed by Student Social (Broadway I)**

7:00 Student Meeting

8:00 Scavenger Hunt/Walk to Social Site

8:30 Student Social (McMenamins Ringers Pub, 1332 W. Burnside, Portland, OR 97209)

Saturday, June 6, 2015

7:00am – 8:15am **JMLD Editorial Board Breakfast Meeting** (Executive Suite – 3rd Floor)

8:30am – 9:45am **Concurrent Sessions**

Sport and Exercise Psychology Symposium – Attentional focus in endurance performance

Room: Pavilion East

Organizer: Linda Schücker, University of Münster

Discussant: Keith R. Lohse, Auburn University

Moderator: Bernd Strauss, University of Münster

Symposium overview

Linda Schücker, University of Münster

Metacognitive processes in the self-regulation of performance in elite endurance runners

Noel Brick, Tadhg MacIntyre, & Mark Campbell, University of Limerick

The effects of mindfulness on endurance

Maurice M. Godwin, Auburn University; Jeremy C. Rietschel, Veteran's Health Administration; Ford B. Dyke, Auburn University; Carly H. Rietschel, University of Maryland; Amishi P. Jha, University of Miami; Matthew W. Miller, Auburn University

Competitor presence and exercise intensity mediate attentional processes during endurance exercise

Emily Williams, Hollie Jones, David Marchant, Andy Sparks, Craig Bridge, Adrian Midgley, & Lars McNaughton, Edge Hill University

Effects of attentional focus instructions on cycling economy

Linda Schücker, Marie-Therese Fleddermann, Marc de Lussanet, Jannik Elischer, Christopher Böhmer, & Karen Zentgraf, University of Münster

Developmental Perspectives Verbal Presentations – Promoting Movement in Adapted Populations

Room: Pavilion West

Moderator: Jacqueline D. Goodway, The Ohio State University

- 8:30 **Cognitive-motor interference during walking in children with Developmental Coordination Disorder**
Nadja Schott & Inaam El-Rajab, University of Stuttgart
- 8:45 **Effects of early treadmill practice on behaviors and underlying mechanisms in babies born with myelomeningocele**
Dokyeong Lee, New York University; Beverly D. Ulrich, University of Michigan
- 9:00 **Visual contribution to walking: How is it in children with a risk of motor coordination disorder?**
Miriam Palomo, Rudolf Psotta, Reza Abdollahipour, Adrian Agricola, & Ludvik Valtr, Palacky University
- 9:15 **Effects of an adapted animal assisted intervention on physical activity and quality of life for children with mobility disabilities**
Samantha M. Ross, Amanda Tepfer, Wendy Baltzer, Monique Udell, Craig Ruaux, & Megan MacDonald, Oregon State University
- 9:30 **How early is early enough? The age of onset of tummy time intervention matters in infants with Down syndrome**
Erin E. Wentz & Dale A. Ulrich, University of Michigan

Motor Control and Learning Verbal Presentations – Augmented Feedback and Methodology

Room: Broadway I

Moderator: Sara Winges, Louisiana State University

- 8:30 **Under-powered and over-worked: Problems with data in motor learning studies**
Keith R. Lohse, Taylor L. Buchanan, & Matthew W. Miller, Auburn University
- 8:45 **Why self-controlled feedback enhances motor learning: Answers from electroencephalography and self-report questionnaire**
Kirk F. Grand, Auburn University; Alessandro T. Bruzi, Federal University of Lavras; Ford B. Dyke, Auburn University; Maurice M. Godwin, Auburn University; Amber M. Leiker, Auburn University; Andrew G. Thompson, Auburn University; Taylor L. Buchanan, Auburn University; Marcos Z. Daou, Auburn University; Matthew W. Miller, Auburn University
- 9:00 **The role of corrective and confirmatory KP in learning a novel motor task**
Kevin A. Becker, Texas Woman's University; Jeff T. Fairbrother & Andy D. Bass, University of Tennessee
- 9:15 **Effects of feedback content on judgments of learning and actual motor learning**
Ben Meyer, Shippensburg University
- 9:30 **Self-controlled feedback is effective if it is based on the learner's performance: A replication and extension of Chiviakowsky and Wulf (2005)**
Michael J. Carter*, Anthony N. Carlsen, & Diane M. Ste-Marie, University of Ottawa
*SCAPPS Franklin Henry Young Scientist Award Winner
- 9:45 **Eliminating the learning benefits of self-controlled knowledge of results (KR) schedules: The importance of information-processing activities during the KR-delay interval**
Michael J. Carter, Anna Head, Piragas Puveendran, & Diane M. Ste-Marie, University of Ottawa

Sport and Exercise Psychology Verbal Presentations – Body Image

Room: Broadway III

Moderator: Kent C. Kowalski, University of Saskatchewan

- 8:30 **Experiences among women with shame and self-compassion in cardio-based exercise classes**
Kim Rogers & Vicki Ebbeck, Oregon State University
- 8:45 **The effect of mirrors on women's body image and affective responses to yoga**
Amanda L. Frayeh & Beth A. Lewis, University of Minnesota
- 9:00 **Causal attributions mediate the influence of self-evaluations on body-related pride**
Jenna Gilchrist, University of Toronto; Catherine M. Sabiston, University of Toronto; Diane E. Mack, Brock University; Eva Pila, University of Toronto
- 9:15 **Self-reporting of mental toughness by distance runners is elevated by self-presentational concern**
Vista L. Beasley & Robert C. Eklund, University of Stirling
- 9:30 **Experiencing the athletic and social body: An exploration of identities in collegiate female basketball players**
Louisa J. Scarlett, Erica V. Bennett, Laura Hurd Clarke, & Peter R.E. Crocker, The University of British Columbia

9:45am – 10:00am **Refreshment Break**

10:00am – 11:00am **Developmental Perspectives Keynote Lecture (Pavilion East & West)**

Learning to move

Karen E. Adolph, New York University

Moderator: Leah E. Robinson, University of Michigan

11:15am – 12:45pm **Concurrent Sessions**

Sport and Exercise Psychology Verbal Presentations – Motivational Processes

Room: Pavilion East

Moderator: Anne Cox, Washington State University

- 11:15 **Combinations of autonomy support and control in physical education: Do students benefit or suffer?**
Nathalie Aelterman, Maarten Vansteenkiste, & Leen Haerens, Ghent University
- 11:30 **Persistence and dropout among female collegiate rowers: A self-determination theory approach**
Audrey L. Coon & Nicole D. Bolter, Boise State University
- 11:45 **Examining motivation and need satisfaction as predictors of change in objectively measured physical activity and sedentary behavior in post-treatment breast cancer survivors**
Meghan H. McDonough, Purdue University; Catherine M. Sabiston, University of Toronto
- 12:00 **Conceptualizing and measuring the desire for energy expenditure and sedentary behavior: The CRAVE Scale for Movement and Rest**
Matthew A. Stults-Kolehmainen, Teachers College, Columbia University; Todd A. Gilson, Northern Illinois University; Line Brotnow, Yale University Medical School; John B. Bartholomew, The University of Texas at Austin; Joseph Ciccolo, Teachers College, Columbia University; Rajita Sinha, Yale University Medical School
- 12:15 **Can the regulatory and reflexive processes of the Multi-Process Action Control (M-PAC) model predict exercise adoption and maintenance?**
Chetan D. Mistry, University of Victoria; Shane N. Sweet, McGill University; Amy E. Latimer-Cheung, Queen's University; Ryan E. Rhodes, University of Victoria
- 12:30 **Efficacy of a brief social cognitive behavioral counseling intervention on one-month independent exercise adherence in individuals with prediabetes: small steps for big changes**
Mary E. Jung, Jessica E. Bourne, Elizabeth Voth, & Jonathan P. Little, University of British Columbia

Motor Control and Learning Verbal Presentations – Physical Activity and Motor Control/Learning

Room: Pavilion West

Moderator: Yeou-Teh Liu, National Taiwan Normal University

- 11:15 **Effects of acute aerobic exercise on motor response inhibition: An ERP study using the stop-signal task**
Tai-Fen Song, Chien-Heng Chu, Kao-Teng Yang, & Yu-Kai Chang, National Taiwan Sport University
- 11:30 **Motor skill proficiency and physical activity in pediatric carriers and non-carriers of the BDNF Val66Met polymorphism**
Larissa True, SUNY Cortland; Karin A. Pfeiffer, Alan L. Smith, Florian Kagerer, John Gerlach, & Crystal Branta, Michigan State University
- 11:45 **Eight weeks of Assisted Cycling Therapy (ACT) improves upper extremity motor function in Down syndrome**
Simon D. Holzappel, Shannon D.R. Ringenbach, Genna M. Mulvey, Megan R. Cook, Rachel O. Ganger, & Amber M. Sandoval-Menendez, Arizona State University
- 12:00 **Acute exercise and visuomotor adaptation in children**
Rosa M. Angulo-Barroso, California State University, Northridge; Blai Ferrer-Uris, INEFC - University of Barcelona; Albert Busquets, ESCST; Jennifer Romack, California State University, Northridge
- 12:15 **Effect of fatigue on motor learning and proprioceptive accuracy in upper extremity**
Nicholas J. Siekirk & Qin Lai, Wayne State University
- 12:30 **Does a chronic physical activity intervention benefit timing in young children with ADHD?**
Howard N. Zelaznik, Purdue University; Alan L. Smith, Michigan State University; Betsy Hoza, University of Vermont; Anthony G. Delli Paoli, Michigan State University; Travis E. Dorsch, Utah State University; Andrew Schmidt, University of Vermont

Developmental Perspectives Verbal Presentations – Motor Competence and Behaviors in Children and Youth

Room: Broadway I

Moderator: Juergen Konczak, University of Minnesota

- 11:15 **The T-SKIP Package Intervention: Coaching preschool teachers to promote motor competence**
Ali Brian, Louisiana Tech University; Jacqueline D. Goodway, The Ohio State University; Sue Sutherland, The Ohio State University; Jessica Logan, The Ohio State University
- 11:30 **A lifespan view of coincident timing ability and tool use**
Priscila Caçola, University of Texas at Arlington
- 11:45 **Dose-response relationship: The effect of motor skill intervention duration and changes in motor skill competence**
Kara K. Palmer, University of Michigan; Abigail Dennis, Auburn University; Leah E. Robinson, University of Michigan
- 12:00 **Identifying profiles based on actual and perceived motor competence: Differences in physical activity, sports participation and motivation towards physical education**
An De Meester, Ghent University; Jolien Maes, Ghent University; David F. Stodden, University of South Carolina; Greet Cardon, Ghent University; Jacqueline Goodway, The Ohio State University; Matthieu Lenoir, Ghent University; Leen Haerens, Ghent University
- 12:15 **The development of proprioceptive acuity in children**
Jessica M. Holst-Wolf, I-ling Yeh, & Juergen Konczak, University of Minnesota
- 12:30 **Age differences in movement coordination when learning a novel virtual task**
Mei-Hua Lee, Michigan State University; Ali Farshchiansadegh, Northwestern University

Sport and Exercise Psychology Verbal Presentations – Self-Regulation

Room: Broadway III

Moderator: Katherine A. Tamminen, University of Toronto

- 11:15 **Effects of performance feedback on self-efficacy and exercise performance are moderated by self-control strength depletion**
Jeffrey D. Graham* & Steven R. Bray, McMaster University
*Outstanding Student Paper Award Recipient
- 11:30 **Replenishing the self-regulation reserve: Can exercising actually increase our limited resource?**
Katie Weatherson, Kaitlyn Bailey, Jessica E Bourne, & Mary E. Jung, University of British Columbia
- 11:45 **Relax and refocus: Is biofeedback the key?**
Melanie Gregg, The University of Winnipeg; Brennan Petersen, University of Winnipeg; Kendra Nelson, University of Manitoba
- 12:00 **Emotion regulation predicts ease of imaging**
Nurwina A. Anuar, Sarah E. Williams, & Jennifer Cumming, University of Birmingham
- 12:15 **The role of self-compassion in women athletes' performance evaluations: A pilot study**
Margo E. Killham, University of Saskatchewan; Leah J. Ferguson, University of Saskatchewan; Amber D. Mosewich, University of South Australia; Diane E. Mack, Brock University; Katie E. Gunnell, Children's Hospital of Eastern Ontario Research Institute
- 12:30 **The effects of integrated classroom based physical activity on on-task behavior for Aboriginal children in kindergarten and grade one**
Serene Kerpan, University of Saskatchewan; Louise M. Humbert, University of Saskatchewan

12:45pm – 1:45pm **Lunch on your own**

1:45pm – 2:45pm **Sport and Exercise Psychology Keynote Lecture** (Pavilion East & West)

Self-regulation and sports: Perseverance, peak performance, problems, and choking under pressure

Roy F. Baumeister, Florida State University

Moderator: Sarah Ullrich-French, Washington State University

3:00pm – 4:15pm **Concurrent Sessions**

Sport and Exercise Psychology Verbal Presentations – Positive Youth Development

Room: Pavilion East

Moderator: Meghan H. McDonough, Purdue University

- 3:00 **The nature of contribution in university athletes: Motives, enablers, and barriers**
Colin J. Deal & Martin Camiré, University of Ottawa
- 3:15 **Young athlete development in high performance sport organizations: The case of USA Luge**
Karl T. Erickson, Michigan State University; Daniel J. Warren, Tufts University; Jennifer Agans, Tufts University; Richard M. Lerner, Tufts University
- 3:30 **An ethnographic study of positive youth development in recreational sport**
Matthew Vierimaa, Queen's University; Mark W. Bruner, Nipissing University; Jean Côté, Queen's University
- 3:45 **Staff perspectives on the development and effects of social relationships in a physical activity-based youth program**
Lindley McDavid & Meghan H. McDonough, Purdue University
- 4:00 **The influence of transformational coaching on positive youth development**
Aubrey Newland, University of Utah; Maria Newton, University of Utah; E. Whitney Moore, University of North Texas; W. Eric Legg, University of Utah; Andrea Stark, University of Minnesota

Motor Control and Learning Symposium – The role of attentional focus and motor behavior

Room: Pavilion West

Organizer: Louisa D. Raisbeck, Michigan Tech; Christopher K. Rhea, University of North Carolina at Greensboro

Discussant: Arya Alami, La Grange College

Moderator: William Berg, Miami University

Symposium overview

Louisa D. Raisbeck, Michigan Tech; Christopher K. Rhea, University of North Carolina at Greensboro

The effects of attentional focus instruction on postural sway

Jed A. Diekfuss, University of North Carolina at Greensboro; Christopher K. Rhea, University of North Carolina at Greensboro; Jeff Fairbrother, University of Tennessee; Louisa D. Raisbeck, University of North Carolina at Greensboro

Clinical applications – Do the effects of attentional focus apply to prosthesis users with unilateral leg amputation?

Will Wu, California State University; Rachel Ho, California State University, Long Beach; Panadda Marayong, California State University, Long Beach; I-Hung Khoo, California State University, Long Beach; Brian Rhue, Veterans Administration Long Beach Healthcare System; Dana Craig, California State University, Dominguez Hills

The effects of focus of attention on visual behavior and movement automatization

Jared Porter, Southern Illinois University, Carbondale; Hubert Makaruk, The Josef Pilsudski University of Physical Education; Marcin Starzak, The Josef Pilsudski University of Physical Education

Retention and transfer of balance control following training with external and internal attentional focus cues.

Jeff Fairbrother, University of Tennessee; A. von Lindern, University of Tennessee; E. R. Wade, University of Tennessee; Louisa D. Raisbeck, University of North Carolina at Greensboro; Christopher K. Rhea, University of North Carolina at Greensboro; M. Nawalany, University of Tennessee; S. Jefferson, University of Tennessee

Developmental Perspectives Symposium – Measuring issues in motor assessments

Room: Broadway I

Organizer: Till Utesch, Nadja Schott, and Maike Tietjens, University of Münster

Discussant: Dale A. Ulrich, University of Michigan

Moderator: David F. Stodden, University of South Carolina

Symposium overview

Till Utesch, University of Münster; Nadja Schott, University of Stuttgart; Maike Tietjens, University of Münster

Using Rasch measurement to investigate the construct of motor competence in preschool children

Till Utesch, University of Münster; Farid Barid, Ghent University; Floris Huyben, Vrije Universiteit Brussel; Bernd Strauss, University of Münster; Maike Tietjens, University of Münster; Kristine De Martelaer, Vrije Universiteit Brussel; Jan Seghers, University of Leuven – KU Leuven; Matthieu Lenoir, Ghent University

Cross-cultural comparison of motor competence in children from Australia and Belgium

Farid Bardid, Ghent University; James Rudd, Victoria University; matthieu Lenoir, Ghent University; Remco Polman, Victoria University; Lisa Barnett, Deakin University

Elaboration of the Environmental Stress Hypothesis – Results from a population-based 6-year follow-up

Matthias Wagner, University of Konstanz; Darko Jekauc, Humboldt University Berlin; Annette Worth, University of Education Karlsruhe; Alexander Woll, Karlsruhe Institute of Technology

The relation between cognitive and motor skill performance – A latent variable approach

Benjamin Holfelder & Nadja Schott, University of Stuttgart

Sport and Exercise Psychology Verbal Presentations – Affect and Physical Activity

Room: Broadway III

Moderator: Spyridoula Vazou, Iowa State University

3:00 **Enjoyment and affective responses to high-intensity interval training and continuous exercise at high and moderate intensities**

Denver M. Y. Brown & Steven R. Bray, McMaster University

3:15 **Learning to like exercising: An experimental approach to alter (non)exercisers' automatic evaluations**

Ralf Brand & Franziska Antoniewicz, University of Potsdam

3:30 **Associations between screen time, physical activity, and depression in adolescents: A four year Longitudinal REAL study**

Katie E. Gunnell, Children's Hospital of Eastern Ontario; Martine F. Flament, University of Ottawa Institute of Mental Health Research; Danijela Maras, Carleton University; Annick Buchholz, Children's Hospital of Eastern Ontario; Katherine A. Henderson, Carleton University; Nicole Obeid, Children's Hospital of Eastern Ontario; Nicholas Schubert, University of Ottawa Institute of Mental Health Research; Gary S. Goldfield, Children's Hospital of Eastern Ontario

3:45 **Effects of a combined mental and physical (MAP) training intervention on depressive symptoms, rumination, mindfulness, and aerobic fitness in major depressive disorder**

Brandon L. Alderman, Ryan L. Olson, Christopher J. Brush, & Tracey J. Shors, Rutgers University

4:00 **Reimagining fitness testing in schools: Enjoyment, need satisfaction, and intention**

Spyridoula Vazou, Amanda Mischo, & Panteleimon Ekkekakis, Iowa State University

4:30pm – 6:00pm **Poster Session #3** (Foyer outside meeting rooms; Cash Bar)

Moderators: Anastasia Kyvelidou – University of Nebraska – Omaha
Matthias O. Wagner, University of Konstanz
J. D. DeFreese, University of North Carolina at Chapel Hill

See back pages of this conference program for a list of the posters. Please set up posters by Noon. If you have an odd numbered poster, please stand at your poster from 4:30-5:15pm. If you have an even numbered poster, please stand at your poster from 5:15-6:00pm.

6:30pm **NASPSA Banquet** (Pavilion Ballroom; bring your ticket)

6:30pm Cocktails
7:00pm Dinner

Sunday, June 7, 2015

8:30am – 10:30am **Executive Committee Meeting – Old and Incoming Members** (Skyline IV – 23rd Floor)

Poster Sessions

NASPSPA Poster Session – Thursday, June 4, 2015

Developmental Perspectives

1. **Motor ability and cognition in children: A systematic review and meta-analysis**
Kara Palmer, University of Michigan; Keith R. Lohse, Auburn University; Alan E. Wilson, Auburn University; Leah E. Robinson, University of Michigan
2. **Age-related differences in out-of-plane motion during pedaling in typical developing children**
Renate van Zandwijk & Jody L. Jensen, The University of Texas at Austin
3. **Movement skills and fitness as predictors of later physical activity**
Timo T. Jaakkola, University of Jyväskylä
4. **Motor skill interventions impacts positively the physical activity engagement of children with coordination developmental disorder**
Máriele S. Souza, UFRGS; Larissa W. Zanella, UFRGS; Min J. Kim, Institute of Health Science - Korea University; Nadia C. Valentini, UFRGS
5. **Motor skill intervention: the impact in ball skill, manual dexterity, balance and daily life of children with children with developmental coordination disorder, at risk and typically developing**
Larissa W. Zanella, UFRGS; Máriele S. Souza, UFRGS; Min J. Kim, Institute of Health Science - Korea University; Nadia C. Valentini, UFRGS
6. **Gender differences in fundamental motor skills in early elementary children**
E. Kipling Webster & E. Andrew Pitchford, University of Michigan
7. **Does motor skill performance relate to cardiovascular fitness in children?**
Jacqueline M. Irwin, Auburn University; Kara K. Palmer, University of Michigan; Leah E. Robinson, University of Michigan
8. **Motor performance, socioeconomic status, body mass index and gender in children: Study' comparative and associative**
Paulo F. R. Bandeira & Nadia C. Valentini, UFRGS
9. **Changes in preschoolers' physical activity participation during a mastery motivational climate intervention**
Danielle D. Wadsworth, Mary E. Rudisill, Peter A. Hastie, Korey L. Boyd, Mynor Rodriguez-Hernandez, & J. Megan Irwin, Auburn University
10. **Pathways to competence: Influencing the development of motor skills in pre-school children**
Peter Hastie, Mary E. Rudisill, Korey L. Boyd, & Jacqueline M. Irwin, Auburn University
11. **A needs assessment of the fundamental motor skills of urban and rural children in Indonesia**
Syahrial Bakhtiar, State University of Padang; Ruri Famelia, The Ohio State University and State University of Padang; Jacqueline D. Goodway, The Ohio State University; Yanuar Kiram, State University of Padang
12. **Relationship between fundamental motor skills, perceived motor competence, physical activity, and cognitive functioning in young children**
Nadja Schott & Dorothee Marie Ruf, University of Stuttgart

13. **The effects of a motor intervention on performance of the PDMS-2 for Hispanic low SES pre-K children**
Michelle L. Hamilton, Ting Liu, Pedro Olivarez, & Jennifer Ahrens, Texas State University

Motor Control

14. **Do participants use mental rotation when comparing two models from different viewing angles?**
Tadao Ishikura, Doshisha University
15. **Increased corticospinal excitability and muscular activity in a lower limb reaction task under psychological pressure**
Yoshifumi Tanaka & Tatsunori Shimo, University of Fukui
16. **Internal focus cue specificity: Are the benefits of an external focus a function of a misdirected internal focus?**
Cheryl A. Coker, Plymouth State University
17. **Gait variability and gaze fixation while synchronizing with an avatar exhibiting fractal patterns**
Ryan P. Macpherson & Christopher K. Rhea, University of North Carolina at Greensboro
18. **The impact of state anxiety on the use of contextual information during anticipation: A test of Attentional Control Theory**
Adam J. Cocks, Robin C. Jackson, Daniel T. Bishop, & A. Mark Williams, Brunel University London
19. **The influence of musical training on lifting bottles of unknown weights**
Qin Zhu, University of Wyoming; Andrea Dahill, University of Wyoming; Daniel Tryon, University of Wyoming; Boyi Dai, University of Wyoming; Jidong Lv, Shanghai University of Finance and Economics
20. **Additional illusory kinesthetic sensation reduces anticipation accuracy in skilled basketball players**
Hiroki Nakamoto, Sachi Ikudome, Satoshi Unenaka, Taishi Funo, & Shiro Mori, National Institute of Fitness and Sports in Kanoya
21. **Invisible and visible stimuli are processed sequentially**
Jenna C. Flannigan, University of Ottawa; Romeo Chua, University of British Columbia; Erin K. Cressman, University of Ottawa
22. **Does performing an imagined Fitts' law task share similar characteristics to actually performing the task?**
Hoda Salsabili, Jeffrey M. Haddad, Zoha Pajouhi, Fuwen Cai, Joong Hyun Ryu, Joshua J. Liddy, & Howard N. Zelaznik, Purdue University
23. **Spatiotemporal coupling of periodic finger tapping with saccades, and their correlation to reading comprehension**
Laura J. Duncan, Brian A. Richardson, James L. Lyons, & Victor Kuperman, McMaster University
24. **Directing attention externally effects heart rate and muscular endurance**
Masahiro Yamada, Blake Brown, & Jared Porter, Southern Illinois University
25. **Dual task interference during walking: The effects of texting on situational awareness and gait stability**
Jongil Lim, Avelino Amado, Leo Sheehan, & Richard E.A. Van Emmerik, University of Massachusetts
26. **Examining the locus of offline enhancement for pre-structured motor sequences**
Jing Chen, Texas A & M University and Shanghai University of Finance & Economics; Sanjeev Bhatia, Texas A&M University; David L. Wright, Texas A&M University

27. **Loading the head reduces head-pitch attenuation of center of mass oscillations during walking and running gait in soldiers**
Scott Ducharme, Jongil Lim, Darnell Simon, Chris Palmer, Mike Busa, Avelino Amado, Luis Rosado, & Richard Van Emmerik, University of Massachusetts
28. **Planning of a manipulative action in children with coordination development disorder**
Raquel de Melo Martins, Josiane Medina Papst, Thiago Viana Camata, Marcelo Alves Costa, & Inara Marques, Universidade Estadual de Londrina
29. **Clustering fast aiming task data: The effect of movement distance on movement time variability**
Tzu-Hsiang Lin & Yeou-Teh Liu, National Taiwan Normal University
30. **Perception and production of complex movement variability**
Joshua Haworth, Johns Hopkins School of Medicine; Nicholas Stergiou, University of Nebraska at Omaha
31. **Embodied mental rotation: A special link between egocentric transformation and the bodily self**
Sandra Kaltner & Petra Jansen, University of Regensburg
32. **The influence of skill level differences on information processing and motor performance**
Fabian Helm, Mathias Reiser, & Jörn Munzert, University of Giessen
33. **The effectiveness of different gaze locations on bunting skills for professional baseball players**
Tsung-Lung You, Ju-Han Lin, Yen-Nan Lin, & Cho-Kang Lee, National Dong Hwa University

Motor Learning

34. **The motivational role of feedback in motor learning: Information resulting in low success experience degrades learning**
Suzete Chiviawowsky, Federal University of Pelotas; Gabriele Wulf, University of Nevada, Las Vegas; Natália M. Harter, Federal University of Pelotas
35. **Focus of attention and cue quantity: A simulated shooting experiment**
Jed A. Diekfuss, Kiara E. Stump, & Louisa D. Raisbeck, University of North Carolina at Greensboro
36. **Effect of practice scheduling on acquisition and retention of an underhanded bean bag toss**
Jeff E. Goodwin & Kenneth G. DuBois, University of North Texas
37. **Stress-related increases in effort does not facilitate motor learning**
Christopher A. Aiken & Arend W. A. Van Gemmert, Louisiana State University
38. **Scheduling concurrent visual feedback in learning a continuous balance task**
Jeff E. Goodwin, University of North Texas
39. **The effects of setting proximal and distal goals on motor learning**
Kevin A. Becker, Texas Woman's University; Jeff T. Fairbrother, University of Tennessee; Lacey P. Sollenberger, University of Tennessee; Kevin M. Fisher, Central Michigan University
40. **Positive perceptions of performance can hinder learning in a dynamic balance task**
Nicole T. Ong, University of British Columbia; Keith R. Lohse, Auburn University; Nicola J. Hodges, University of British Columbia
41. **Whole-task training and progressive-part training: Effects on physical performance and mental representation of characteristics of a fast-pitch softball swing**
Joseph M. Gonzales & David D. Chen, California State University Fullerton
42. **Cognitive representation of open and closed skills**

Ludwig Vogel & Thomas Schack, Bielefeld University

43. **Examining the intrinsic dynamics: Influence of basketball expertise in learning novel throw task compare to roller ball task**
Yeou-teh Liu, National Taiwan Normal University; Kuo-Liang Chuang, National Taiwan Normal University; Karl M. Newell, University of Georgia
44. **Using vibrotactile movement guides to change technique: Case studies in quarterbacking**
Rob Gray, Arizona State University

Sport and Exercise Psychology

45. **Let's get ready to rumble: Anxiety and self-efficacy in the athletic arena**
Rachel M. Conway & Shawn E. Davis, Pacific University School of Professional Psychology
46. **Do emotions impact putting performance? A Prefrontal Asymmetry Study**
Tai-ting Chen, National Taiwan Normal University; Kuo-Pin Wang, National Taiwan Normal University; Yi-Ting Chang, National Taiwan Normal University; Chung-Ju Huang, University of Taipei; Tsung-Min Hung, National Taiwan Normal University
47. **Influence of stress on decision-making in sport**
Teri J. Hepler, Attila J. Kovacs, A.J. Day, Jack Flinchum, Rachel Medenwaldt, Valerie Prusak, Alex Stanford, Olivia Westoff, & Megan Willger, University of Wisconsin-La Crosse
48. **Effects of acute aerobic exercise duration on executive function in children with ADHD**
Tsung-Min Hung, National Taiwan Normal University; Yu-Jung Tsai, National Taiwan Normal University; Chung Ju Huang, University of Taipei
49. **An exploration of executive function among older adult athletes and non-athletes**
Lyndsie M. Coleman, Robert J. Brustad, Megan Babkes Stellino, Abdullah Akbar, & Amanda Lalonde, University of Northern Colorado
50. **Exercise involving different skill types and physical fitness are associated with working memory aspect of executive function**
Feng-Tzu Chen, Chih-Han Wu, Tai-Fen Song, & Yu-Kai Chang, National Taiwan Sport University
51. **The moderating effect of apolipoprotein (ApoE) genotype on cerebral structural changes in response to chronic physical activity: The Physical Activity and Alzheimer's Disease (PAAD) Study**
Jennifer L. Etnier, William B. Karper, Chia-Hao Shih, SeYun Park, Si Zhao, & Robert A. Kraft, University of North Carolina at Greensboro
52. **Cognitive measures correlate with mental rotation of human figures**
Holger Heppe, University of Münster; Axel Kohler, University of Osnabrück; Karen Zentgraf, University of Münster
53. **Differences in long-term memory consolidation as a function of heart rate intensity**
Andrew C. Parks, Cory R. Fleck, Samantha R. Lamkin, Kimberly M. Fenn, Karin A. Pfeiffer, & Matthew B. Pontifex, Michigan State University
54. **A preliminary investigation of the moderating effects of aerobic fitness on the relationship between acute exercise and interference control in children with ADHD**
Shu-Shih Hsieh, National Taiwan Normal University; Yu-Jung Tsai, National Taiwan Normal University; Yu-Kai Chang, National Taiwan Sport University; Chung-Ju Huang, University of Taipei; Tsung-Min Hung, National Taiwan Normal University
55. **Possible selves and physical activity in retirees: The mediating role of identity**
Mélanie G.M. Perras, University of Ottawa; Shaelyn M. Strachan, University of Manitoba; Michelle S. Fortier, University of Ottawa; Laura Meade, University of Manitoba

56. **The influence of selection status on goal progress, sport commitment, and athletic identity during the 2013 Canada Summer Games team selection process**
Carolyn E. McEwen & Peter R.E. Crocker, The University of British Columbia
57. **The effect of stereotype threat on student-athlete math performance**
Shaina C. Riciputi, Purdue University; Kristi Erdal, Colorado College
58. **Who is an athlete? A comparison study of athletic identity in former college athletes, current student-athletes, and non-athlete college students**
Erin J. Reifsteck, University of North Carolina at Greensboro
59. **Perceived relatedness and ice hockey player self-definition**
Genevieve Ladiges & Deborah Kendzierski, Villanova University
60. **Does playing male sport explain the second-quartile phenomenon for female relative age effects?**
Mandee D. Mostenbocker & David J. Hancock, Indiana University Kokomo
61. **Understanding the social interactions and relationships with youth and staff at residential summer camp**
Corliss Bean, Kelsey Kendellen, & Tanya Forneris, University of Ottawa
62. **Relationship status and mental and physical functioning in former professional football athletes across a ten year study period**
J.D. DeFreese, University of North Carolina at Chapel Hill; Zachary Y. Kerr, Datalys Center for Sports Injury Research and Prevention; Donald H. Baucom, University of North Carolina at Chapel Hill; Kevin M. Guskiewicz, University of North Carolina at Chapel Hill
63. **The predictive utility of peer relationship and coach autonomy-support behaviors on high school student-athletes' dropout intention and team satisfaction**
Jo-Yun Chen & Li-Kang Chi, National Taiwan Normal University
64. **Perseverance through mental blocking: Exploring coach-athlete dyadic relationships**
Chelsey N. Moore, Kent C. Kowalski, & Brenda Kalyn, University of Saskatchewan
65. **The predictive utility of coach and peer leadership behaviors on team satisfaction among high school and college student-athletes**
Hao-wen Hsu & Li-Kang Chi, National Taiwan Normal University
66. **Traditional versus psychologically informed fitness testing in physical education: Affective outcomes**
Amanda B. Mischo, Spyridoula Vazou, & Panteleimon Ekkekakis, Iowa State University
67. **An experimentally-based intervention program to enhance multiple aspects of pe teachers' classroom motivating style**
Sung Hyeon Cheon, Kangwon National University; Johnmarshall Reeve, Korea University
68. **Philosophies and goals in teaching dance: A qualitative exploration with private studio teachers**
Andrea Stark, University of Minnesota; Maureen R. Weiss, University of Minnesota; Aubrey Newland, University of Utah
69. **Teaching sportspersonship and responsibility in physical education: A multilevel analysis**
Nicole D. Bolter, Boise State University; Lindsay E. Kipp, University of Kentucky; Tyler G. Johnson, Boise State University
70. **A temporal examination of achievement goals, motivational climate, and anxiety in collegiate swimmers**
Julie A. Partridge, Southern Illinois University Carbondale; Brittany D. Massengale, University of Arkansas; Masahiro Yamada, Southern Illinois University; Jared M. Porter, Southern Illinois University

71. **A self-determination theory perspective on burnout: Perceived coaching behaviors and satisfaction/thwarting of psychological needs**
Seongkwan Cho, Florida State University; Hunhyuk Choi, Dankook University; Robert Eklund, University of Stirling; Gershon Tenenbaum, Florida State University
72. **Teammates' influence on athletes' goal orientation: Effects of the Positive Coaching Alliance (PCA) training model**
Andrea Vest Ettekal, Kaitlyn A. Ferris, Jennifer P. Agans, & Brian M. Burkhard, Tufts University
73. **College athletes' perceptions of success, motivational climate, and social support availability**
Anna Berecz, University of Alaska Anchorage
74. **Hockey parents' perceptions of their own and other spectators' behaviors differ by gender and competitive level**
Katherine A. Tamminen, University of Toronto; Carolyn E. McEwen, The University of British Columbia; Gretchen Kerr, University of Toronto; Peter Donnelly, University of Toronto
75. **Parent involvement in young adults' intercollegiate athletic careers: Developmental considerations and applied recommendations**
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76. **Stakeholders' perceptions of parent involvement in young adults' intercollegiate athletic careers: Policy, education, and desired-student-athlete outcomes**
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77. **Who's in control?: A physical activity intervention targeting changes in social control**
Sean Pinkerton, Kathleen S. Wilson, & Elaine Rutkowski, California State University, Fullerton
78. **Self-efficacy mediates the relationship between prepregnancy and pregnancy leisure-time physical activity**
Christopher P. Connolly, Washington State University; James M. Pivarnik, Michigan State University; Deborah L. Feltz, Michigan State University; Lanay M. Mudd, Michigan State University; Maria K. Lapinski, Michigan State University; Mark G. Lewis, Michigan State University
79. **Comparing opportunity and perceived capability as predictors of walking and strength training behaviors**
Chetan D. Mistry & Ryan E. Rhodes, University of Victoria
80. **Social and individual reference norm and physical self concept**
Maïke Tietjens & Dennis Dreiskämper, University of Münster
81. **Quiet eye period and performance in sport: A meta-analysis**
Jean-Charles Lebeau, Florida State University; Sicong Liu, Florida State University; Camilo Saenz, Florida State University; Susana Sanduvete Chaves, University of Sevilla; Salvador Chacón-Moscoso, University of Sevilla; Gershon Tenenbaum, Florida State University; Betsy Becker, Florida State University
82. **Item validation of the Curling Strategy Assessment Tool (CSAT)**
Nicole Westlund & Craig Hall, Western University
83. **Effects of peppermint scent administration on augmenting swimming performance: Challenges related to orthonasal vs. retronasal scent administration**
Bryan Raudenbush, Nic Cochran, & Melanie Lamp, Wheeling Jesuit University

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1. **Effects of video game avatar size on body image dissatisfaction and food choice**
Patrick Dwyer & Bryan Raudenbush, Wheeling Jesuit University
2. **Self-compassion, psychological flexibility, and body-related emotions**
Sarah C. Ullrich-French, Anne E. Cox, Amy N. Cole, Eleanor Dizon, Eunsam Kim, & Laura Preciado, Washington State University
3. **The effects of spirituality on body image in female athletes**
Diana E. Avans, Alexa Morris, & Savannah Nelson, Vanguard University
4. **The role of mindfulness during yoga in predicting change in self-objectification and related outcomes**
Anne E. Cox, Sarah Ullrich-French, Amy N. Cole, & Margo D'Hondt-Taylor, Washington State University
5. **Physical self-perceptions, body image and intrinsic motivation in recreational aesthetic sports**
Bona Lee & Diane L. Gill, University of North Carolina at Greensboro
6. **The relationship of team cohesion to individual anxiety among recreational soccer players**
Eungwang Oh & Diane L. Gill, The University of North Carolina at Greensboro
7. **Cyber partners for astronauts: Boosting motivation to exercise harder with exergames**
Alison Ede, Michigan State University; Christopher R. Hill, Michigan State University; Brian Winn, Michigan State University; James M. Pivarnik, Michigan State University; Norbert L. Kerr, Michigan State University; William Jeffery, Michigan State University; Samantha J. Deere, Michigan State University; Benjamin D. Spencer, Michigan State University; Lori Ploutz-Snyder, Universities Space Research Association; Deborah L. Felz, Michigan State University
8. **Interactive dialogue is important in software-generated workout partners**
Stephen Samendinger, Michigan State University; Emery J. Max, Michigan State University; Brian Winn, Michigan State University; Gregory Kozma, Michigan State University; William Jeffery, Michigan State University; Norbert L. Kerr, Michigan State University; Samuel T. Forlenza, Shippensburg University; Deborah L. Feltz, Michigan State University
9. **Dancer perceptions of the cognitive, social, emotional, and physical benefits of partnered dancing**
Kimberley D. Lakes, University of California, Irvine; Shesha Marvin, Atomic Ballroom Dance Center; Malia San Nicolas, Atomic Ballroom Dance Center; Sara Arastoo, University of California, Irvine; Leo Viray, University of California, Irvine; Amanda Orozco, University of California, Irvine; Fran Jurnak, University of California, Irvine
10. **Relationship between task cohesion, social support, and intention to return to a youth sport team**
Kevin S. Spink & Jocelyn D. Ulvick, University of Saskatchewan
11. **Psychological responses and return to play following anterior cruciate ligament reconstruction surgery**
Hayley Russell, Penn State Altoona; Diane M. Wiese-Bjornstal, University of Minnesota; Elizabeth A. Arendt, University of Minnesota; Julie Agel, University of Minnesota
12. **Associations among athlete burnout and markers of athletic injury**
Pamela B. Hughes, University of North Carolina at Chapel Hill; Zachary Y. Kerr, Datalys Center for Sports Injury Research and Prevention; J. D. DeFreese, University of North Carolina at Chapel Hill
13. **The effects of soccer ball "heading" frequency and intensity on scent perception: Severity of effects in adolescence during high school competition**
Emily Robinson & Bryan Raudenbush, Wheeling Jesuit University

14. **"No flag on the play": Using behavioral modification to reduce injuries in American football**
Andrew C. White & Diane Wiese-Bjornstal, University of Minnesota
15. **Psychological responses to lower extremity injuries prior to an isokinetic task**
Ashley K. Balles, Stacey A. Gaines, Ryan E. Fiddler, & Christopher M. Hearon, Texas A&M University-Kingsville
16. **Handball throwing improved by dissociation of attention from gaze behavior during quiet eye training**
Takahiro Hirao & Hiroaki Masaki, Waseda University
17. **A cross-culture examination of the validity of the mindfulness inventory for sport: The development and validation**
Yi-chen Perng, National Taiwan University of Arts; Chu-Chih Liu, Kainan University
18. **Preliminary validation of the Sport Imagery Questionnaire-Team Sport Version**
Tyler L. Geikie, Todd M. Loughhead, & Krista J. Munroe-Chandler, University of Windsor
19. **Biological evidence of imagery abilities: Intra-individual differences**
Brian D. Seiler, Florida Southern College; Eva Monsma, University of South Carolina; Roger D. Newman-Norlund, University of South Carolina
20. **Updating the empowerment in exercise scale: Supporting psychometric evidence from a half-longitudinal study**
E. Whitney G. Moore, University of North Texas
21. **Autonomous priming increases intrinsic motivation and attitudes towards high-intensity interval training**
Denver M.Y. Brown, McMaster University; Amanda Teseo, McMaster University; James A. Dimmock, University of Western Australia; Ben Jackson, University of Western Australia; Steven R. Bray, McMaster University
22. **Motivational content in commercially available exercise DVDs**
Bradley J. Cardinal, Oregon State University; Katelyn E. Kirk, Oregon State University; Brian Kuo, Oregon State University; Rosalee L. Locklear, Oregon State University; Kim A. Rogers, Oregon State University; Marita K. Cardinal, Western Oregon University
23. **Longitudinal relationships between perceived variety, autonomous motivation, and exercise behavior**
Benjamin D. Sylvester & Mark R. Beauchamp, The University of British Columbia
24. **The predictive utility of personality traits on exercise dependence**
Chiao-ying Chen & Li-Kang Chi, National Taiwan Normal University
25. **Active Living Leaders Training Program for spinal cord injury: A peer training program with key components to influence users' self-efficacy**
Lauren E. Salci, Spero Ginis, & Kathleen A. Martin Ginis, McMaster University
26. **Analysis of self talk and imagery technique on emotional climate of paralympic athletes in Nigeria**
Olufemi A. Adegbesan, University of Ibadan; Amaechi S. Chidi, University of Ibadan; Esther M. Oladejo, University of Ibadan; Adebisi O. Oyekunle, University of Ibadan; Sanusi Mohammed, Nigeria Football Federation
27. **The creation and dissemination of a positive athlete stereotype: Exploring the 2014 Sochi Paralympic Games media**
Marie-Josée Perrier, McMaster University; Matt Ventresca, Queen's University; Kathleen A. Martin Ginis, McMaster University
28. **Factors affecting development of high performance wheelchair basketball players**
Nima Dehghansai, York University; Srdjan Lemez, York University; Nick Wattie, University of Ontario Institute of Technology; Joseph Baker, York University

29. **Gaining momentum: Barriers and facilitators of greater competitive level in parasport**
Robert B. Shaw, McMaster University; Marie-Josée Perrier, McMaster University; Jessie N. Stapleton, Missouri Baptist University; Jasmin K. Ma, McMaster University; Hanna Fang, McMaster University; Duncan Campbell, Canadian Wheelchair Sports Association; Holly L. Tawse, McGill University; Kathleen A. Martin Ginis, McMaster University
30. **Sex-differences in theory-based predictors of sport among parasport athletes with mobility impairments**
Jessie N. Stapleton & Kathleen A. Martin Ginis, McMaster University
31. **An exploration of the psychometric properties of the Youth Experience Survey with Canadian university athletes**
Scott Rathwell & Bradley W. Young, University of Ottawa
32. **Girls on the Run: Impact of a positive youth development program on life skills, physical activity, and sedentary behavior**
Maureen R. Weiss, University of Minnesota; Alison C. Phillips, University of Minnesota; Andrea Stark, University of Minnesota; Allison Riley, Girls on the Run International
33. **The effect of sporting context on PYD outcomes in youth sport**
Philip Sullivan & Matthew Marini, Brock University
34. **Examining the leadership development of youth staff members at a residential summer camp**
Kelsey Kendellen, Corliss N. Bean, Martin Camiré, & Tanya Forneris, University of Ottawa
35. **Are sport skills life skills (Part I)? Exploring which domains athletes transfer psychological skills to, and why**
Barbi Law, Nipissing University; Jenny O, California State University, East Bay
36. **Are sport skills life skills (Part II)? Which psychological skills learned in sport transfer beyond sport?**
Jenny O, California State University, East Bay; Barbi Law, Nipissing University
37. **Psychosocial outcomes in youth sport and physical activity in Botswana: The promise of research and theory building among African populations**
Leapetswe Malete, University of Botswana
38. **Parent education in organized youth sport: Recommendations from parents, coaches, and administrators**
Travis E. Dorsch, Keith V. Osai, Sarah Tulane, & Chalyce P. Carlsen, Utah State University
39. **Individual, relationship, and context factors associated with parent support and pressure in organized youth sport**
Travis E. Dorsch, Utah State University; Alan L. Smith, Michigan State University; Aryn M. Dotterer, Purdue University
40. **'Tips' from the pros: Comparison of the highest and lowest scoring NHL teams on shot-type usage and effectiveness.**
Scott Rathwell, University of Ottawa; Brad McKay, University of Ottawa; Jeffrey G. Caron, McGill University
41. **The adaptation experienced by Taiwanese professional baseball players in the United States**
Li-Kang Chi, Meichi Chen, & Szuyu Chen, National Taiwan Normal University
42. **The relationship between mindfulness and golf putting performance**
Hsin-yun Chuang & Li-Kang Chi, National Taiwan Normal University
43. **Biological evidence for inter-individual differences in movement imagery abilities**
Brian D. Seiler, Florida Southern College; Roger D. Newman-Norlund, University of South Carolina; Eva Monsma, University of South Carolina

44. **Video games, deliberate play and sport specific knowledge**
Lucy Parrington, Clare MacMahon, & Lisa Wise, Swinburne University
45. **Self-efficacy and performance in volleyball referees**
Benjamin D. Spencer & Deborah L. Feltz, Michigan State University
46. **Asymmetrical analysis of sport spectator experiences for senior high school students in Taiwan**
Li-Shiue Gau, Asia University, Taiwan, China Medical University; Yun Dung, Asia University, Taiwan; Pi-Ju Huang, Asia University, Taiwan
47. **From community sport capital to healthy sport lifestyle, satisfaction and life quality**
Li-Shiue Gau, Asia University, China Medical University; Mei-Hua Pu, Asia University; Yun Dung, Asia University

Developmental Perspectives

48. **Effect of different positioning devices on leg movement quantity in infants**
Crystal Jiang & Beth A. Smith, University of Southern California
49. **The effects of optic flow on tactilely-facilitated neonatal stepping**
Marianne Barbu-Roth, Paris Descartes University; David I. Anderson, San Francisco State University; Aurélie Saulton, Paris Descartes University; Viviane Huet, Paris Descartes University
50. **Motor-cognitive skill intervention in hospitalar environment: The impact in the development of infants with cystic fibrosis**
Gabriela M.P. Mattiello, HCPA Hospital of Clinics Porto Alegre; Carolina Panceri, UFRGS; Keila G. Pereira, UFRGS; Nadia C. Valentini, UFRGS
51. **Determination of biological, social and environmental risk factors for hospitalization for respiratory disease of infants**
Carolina Panceri, Keila G Pereira, & Nadia C. Valentini, UFRGS
52. **Gait adaptations at walk onset for infants wearing a flexible support garment**
Jennifer K. Sansom, Central Michigan University; Beverly D. Ulrich, University of Michigan
53. **Effects of socioeconomic and overweight status on infants' motor milestones**
Dokyeong Lee, New York Univeristy; Omran L. Majumder, New York University; Carmen Jimenez-Robbins, New York University; Whitney Cole, New York University; Shohan Hasan, New York University; Mary Jo Messito, New York University; Rachel Gross, Albert Einstein College of Medicine; Alan Lewis Mendelsohn, New York University; Karen Adolph, New York University
54. **Effects of a traditional cradling practice on infant motor development**
Karen E. Adolph, New York Univeristy; Dokyeong Lee, New York University; Lana B. Karasik, College of Staten Island, The City of University of New York; Catherine S. Tamis-LeMonda, New York University
55. **Motor assessment for children with autism spectrum disorder: A case study**
Ting Liu, Texas State University; Sayed ElGarhy, Fayoum University; Casey M. Breslin, Temple University
56. **Natural infant walking**
Dokyeong Lee, Shohan Hassan, & Karen E. Adolph, New York University
57. **Postural sway of sitting infants on solid and foam surfaces while engaged in concurrent tasks**
Amanda J. Arnold, Rachel C. Harris, Joshua J. Liddy, & Laura J. Claxton, Purdue University
58. **Is the goal of reaching altering object-directed looking patterns in infants?**
Rebecca F. Wiener & Daniela Corbetta, University of Tennessee

59. **Effects of active video gaming on executive function in children with and without autism spectrum disorder**
Daphne K. Golden, University of Scranton; Ling-Yin Liang, University of Evansville; Ryan Pohlig, University of Delaware; Nancy Getchell, University of Delaware
60. **Examining prefrontal cortex activity during a cognitive and motor task in boys with and without Autism Spectrum Disorder**
Ling-Yin Liang, University of Evansville; Daphne K. Golden, University of Scranton; Nancy Getchell, University of Delaware

Motor Control

61. **Plyometric catch training causes redistribution of neuromotor effort from compensatory to anticipatory control in catching**
William P. Berg, Brian J. Richards, Aaron M. Hannigan, & Kelsey L. Biller, Miami University
62. **External focus distance and level of expertise in kayak sprinting**
Stephen Banks, University of Edinburgh; Peter Higgins, University of Edinburgh; John Sproule, University of Edinburgh; Gabriele Wulf, University of Nevada, Las Vegas
63. **Does ischemia influence effector transfer?**
Stefan Panzer, Saarland University; Peter Leinen, Saarland University; Charles H. Shea, Texas A&M University
64. **Intended phase transitions using Lissajous feedback**
Stefan Panzer, Saarland University; Deanna Kennedy, Texas A&M University; Charles H. Shea, Texas A&M University
65. **An internal focus of attention impairs dynamic balance performance of children**
Reza Abdollahipour, Palacky University; Rudolf Psotta, Palacky University; Gabriele Wulf, University of Nevada, Las Vegas
66. **Role of the supplementary motor area in rapid adjustment of brief interceptive action using predicted information**
Sachi Ikudome, Hiroki Nakamoto, & Shiro Mori, Natioanl Institute of Fitness and Sports in Kanoya
67. **The effect of driving speeds and practice conditions on the movement performance of the table tennis forehand drives**
Kuo-Liang Chuang & Yeou-Teh Liu, National Taiwan Normal University
68. **Preparation of bimanual reaching movements: contributions from directions and amplitudes**
Jarrod Blinch, University of British Columbia; Jada A. Holmes, University of British Columbia; Brendan D. Cameron, Universitat de Barcelona; Ian M. Franks, University of British Columbia; Romeo Chua, University of British Columbia
69. **Visual anticipation of throw direction in team-handball penalties: Skill differences in information pick-up strategies**
Florian Loffing, University of Kassel; Florian Sölter, University of Münster; Norbert Hagemann, University of Kassel; Bernd Strauss, University of Münster
70. **Cognitive tasks of increasing load improve stability in challenging postural tasks**
Nadia Polskaia, Natalie Richer, Jeremie Thibault, Isabelle Labelle, & Yves Lajoie, University of Ottawa
71. **Neural activation during real-time stuttering, synchronization timing, and sequential timing tasks**
Breanna E. Studenka & Ronald B. Gillam, Utah State University

72. **Auditory spatial localization and the cost of corrective limb modifications**
Jessica K. Skultety, McMaster University; James J. Roberts, Liverpool John Moores University;
James J. Burkitt, McMaster University; Steven Hansen, Nipissing University; James L. Lyons,
McMaster University
73. **Interpersonal coordination in a ,leader-follower'-relationship during balance tasks on a balance board**
Eric Eils, Leonie Sieverding, Matthias Bischoff, Marc de Lussanet, & Karen Zentgraf, University of
Münster
74. **Explicit response codes modulate the influence of emotional stimuli on approach-avoidance behavior and
selectively impact subjective emotional experience**
Bradley Fawver, Garrett F. Beatty, Chris J. Hass, Kyoungshin D. Park, & Christopher M. Janelle,
University of Florida
75. **The effects of age on timing of gross and fine motor movements**
Zach T. Skabelund, Daisha L. Cummins, Sushma Alphonsa, Breanna E. Studenka, & Kodey Myers,
Utah State University
76. **The effect of attentional focus in balancing tasks: A meta-analysis**
Taewon Kim, Texas A&M University; Judith Jimenez, University of Costa Rica
77. **Sensory motor rhythm/theta ratio differences between good and poor putting performance in skilled
golfers**
Yi-ting Chang, National Taiwan Normal University; Kuo-Pin Wang, National Taiwan Normal
University; Tai-Ting Cheng, National Taiwan Normal University; Chung-Ju Huang, University of
Taipei; Tsung-Min Hung, National Taiwan Normal University
78. **Identifying the behavioural mechanisms of the quiet eye in skilled and less-skilled archers during aiming
tasks**
Claudia C. Gonzalez, Brunel University London; Sean Williams, Brunel University London; Joe
Causer, Liverpool John Moores; Chris Miall, University of Birmingham; Michael Grey, University of
Birmingham; Glyn Humphreys, University of Oxford; A. Mark Williams, Brunel University London
79. **The discrepancy of cognitive function between opened-skill and closed-skill athletes**
Chiachuan Yu & Suyen Liu, National Chung Cheng University

Motor Learning

80. **Autonomy support, enhanced expectancy, and external focus: Additive effects for motor learning**
Gabriele Wulf, University of Nevada, Las Vegas; Suzete Chiviacowsky, Federal University of
Pelotas; Priscila Cardozo, Federal University of Pelotas; Kimberly Palmer, University of Nevada, Las
Vegas
81. **Effects of feedforward video self-modeling on bilateral transfer of a rugby passing skill**
David I. Anderson & Brian Keaney, San Francisco State University
82. **The effect of physical and mental practice on clinical skill learning**
Melanie E. Perreault, Chris Brown, Rob Doan, & David Dolbow, The University of Southern
Mississippi
83. **Promoting gross motor skill in toddlers: 'Active Beginnings', a randomized controlled trial**
Sanne Veldman, Tony Okely, & Rachel Jones, University of Wollongong
84. **Effects of self-controlled feedback on the acquisition of a balance task**
Joao A.C. Barros, Alan Q. Tran, Tyler Aisner, & Leo T. Salvadoria II, California State University
Fullerton

85. **The effects of high-low self-controlled feedback on motor learning and error detection capability**
Chinger Lin & Shu-Hua Lee, National Taichung University of Education
86. **Looking to learn: Visual guidance accelerates observational learning of the full golf swing**
Giorgia D'Innocenzo, Daniel Bishop, Claudia C. Gonzalez, & A. Mark Williams, Brunel University London
87. **Implicit versus explicit self-defense instruction on self-efficacy, affect, and subjective well-being**
Margaret Perry Sanders, Nicholas Murray, Deirdre Dlugonski, & Tom Raedeke, East Carolina University
88. **Gender differences in competition: A non-linear examination of performance and learning**
Cameron S. Olsen, Natalie L. Ferguson, Breanna E. Studenka, Travis E. Dorsch, & Richard D. Gordin, Utah State University
89. **The motor learning effects of applying knowledge of results with increasing precision when practicing a novel throwing task**
Masahiro Yamada, Sharrell Straughter, & Jared M. Porter, Southern Illinois University
90. **Examining the role of consolidation for new motor learning following random and blocked practice**
Taewon Kim & David L. Wright, Texas A&M University
91. **Learner-adapted motor skill acquisition: the influence of practice schedule on individual practice phases and consolidation of motor skills**
Katie Wadden, Nicola Hodges, & Lara Boyd, University of British Columbia

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1. **Attentional focus cues effect on object control skill performance in elementary children**
Kara K. Palmer, University of Michigan; Jacqueline M. Irwin, Auburn University; Abigail Dennis, Auburn University; Jared M. Porter, Southern Illinois University; Leah E. Robinson, University of Michigan
2. **Forward thinking: When a distal focus makes you faster**
Stephen Banks, University of Edinburgh; John Sproule, University of Edinburgh; Peter Higgins, University of Edinburgh; Gabriele Wulf, University of Nevada, Las Vegas
3. **Optimizing high ID performance: The role of the tracking template**
Jason B. Boyle, The University of Texas at El Paso; Deanna M. Kennedy, Texas A&M University; Chaoyi Wang, Texas A&M University; Charles H. Shea, Texas A&M University
4. **The influence of integrated feedback information on bimanual force control in older adults**
Deanna M. Kennedy & Charles H. Shea, Texas A&M University
5. **Gait variability in stroke survivors and healthy older adults**
Ruth D. Stout, University of North Carolina at Greensboro; Michael D. Lewek, University of North Carolina in Chapel Hill; Scott E. Ross, University of North Carolina at Greensboro; Christopher K. Rhea, University of North Carolina at Greensboro
6. **Collective variable of a postural control system in a dynamic balance task**
Jihyun Ko, Montana State University; Karl M. Newell, University of Georgia
7. **Gunslinger effect and Müller-Lyer illusion: The role of target context during intended and reacted goal-directed aims**
James W. Roberts, Jim L. Lyons, Daniel Garcia, Raquel Burgess, & Digby Elliott, McMaster University
8. **Split attention degrades performance of complex bimanual patterns, e.g., producing a 1:1 90° relative phase or producing a 1:2 temporal pattern**
Inchon Park & John J. Buchanan, Texas A&M University
9. **Fitts' law behavior when producing rapid aiming movements with delayed visual feedback**
Andres F. Beltran-Pulido, James R. Chagdes, Howard N. Zelaznik, George Chiu, Jeffrey M. Haddad, Shirley Rietdyk, & Arvind Raman, Purdue University
10. **The effects of focus of attention on visuomotor performance and EMG activity in cancer patients**
Margaret French, Leah Belsley, & Jared M. Porter, Southern Illinois University
11. **Effects of load configuration on movement coordination and visual information pick-up in expert marksmanship performance**
Jongil Lim, Michael A. Busa, Avelino Amado, Rosado D. Luis, Simon Darnell, Scott W. Ducharme, Christopher J. Palmer, & Richard E.A. Van Emmerik, University of Massachusetts
12. **Effects of motivation orientation on non-linear aspects of motor performance and retention**
Natalie L. Ferguson, Cameron S. Olsen, Breanna E. Studenka, Travis E. Dorsch, & Richard D. Gordin, Utah State University
13. **Biological predispositions alter affectively modulated motor action in the absence of distance regulation**
Kyoungshin Park, HYOKEUN LEE, Bradley Fawver, Chris J. Hass, & Christopher M. Janelle, University of Florida

14. **Effect of precision demand on the end-state comfort of children with Developmental Coordination Disorder**
Raquel de Melo Martins, Josiane Medina Papst, Marcelo Alves Costa, Thiago Viana Camata, & Inara Marques, Universidade Estadual de Londrina
15. **Vision and expertise in swimming starts: Do they mix?**
Damian Farrow, Victoria University and Australian Institute of Sport; Elaine Tor, Victoria University and Australian Institute of Sport; Paul Glazier, Victoria University; David Pease, Australian Institute of Sport
16. **Where bimanual coordination pattern interacts with element difficulty: Examining coupling stability and harmonic nature of bimanual sequences**
Chaoyi Wang, Deanna M. Kennedy, & Charles H. Shea, Texas A&M University
17. **Are experts in physical rotation better in mental rotation?**
Holger Heppel, Stefan Schumacher, & Karen Zentgraf, University of Münster

Motor Learning

18. **Engaging environments enhance motor skill learning in a computer gaming task**
Keith Lohse, Auburn University; Lara A. Boyd, University of British Columbia; Nicola J. Hodges, University of British Columbia
19. **Are eye-movements necessary to learn a visuo-motor task?**
Stefan Panzer, Saarland University; Matthias Massing, Saarland University; Yannick Blandin, University of Poitiers
20. **Rapid decay of fast visuomotor adaptation**
Basel Zbib, Kiarash Akhavan, Mohammad Abu-Shaaban, & Erin Cressman, University of Ottawa
21. **The impact of observing flawed demonstrations on clinical technical skill learning**
Arthur M. Welsher, McMaster University; Laura Vanderbeek, McMaster University; David Rojas, University of Toronto; Zain Khan, University of Ontario Institute of Technology; Bill Kapralos, University of Ontario Institute of Technology; Lawrence E.M. Grierson, McMaster University
22. **Effect of self-regulated and progressively increasing difficulty practice schedules on whole body motor skill learning**
Hsiu-Hui Chen, Wei Yun Lee, & Chi-Lun Han, Taitung University
23. **Team-based learning outcomes: Developing a survey instrument to evaluate student learning**
Ann L. Smiley-Oyen, Lisa Orgler, Georgeann Artz, Monica Lamm, Michael Dorneich, Holly Bender, Sara Bickelhaupt, Sandra Gahn, Cassandra Dorius, & Keri Jacobs, Iowa State University
24. **Acute aerobic exercise effects on motor learning and neuroplasticity**
Cameron S. Mang, Nicholas J. Snow, Kristin L. Campbell, & Lara A. Boyd, University of British Columbia
25. **'Matched' or 'Mismatched' learning in pairs: Evaluation of dyad practice in a multi-skill context**
April D. Karlinsky, Jaspreet Dhillon, Nicola J. Hodges, University of British Columbia
26. **Transfer of learning between unimanual and bimanual rhythmic movement coordination is a function of the task dynamic (information and stability)**
Winona Snapp-Childs, Indiana University; Andrew D. Wilson, Leeds Beckett University; Geoffrey P. Bingham, Indiana University
27. **Methods to improve performance and retention on a symmetric task**
Josie H. Ferrandino & Jody Jensen, The University of Texas at Austin

28. **Effects of instruction on self-efficacy during self-controlled learning**
Tyler Aisner, Erika G. Mora, Andrea Becker, & Joao A.C. Barros, California State University Fullerton

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29. **Rating of perceived exertion and affect during a 30-minute moderate exercise bout in young cancer survivors: A pilot study**
Amanda J. Wurz, Erin K. Wing, & Jennifer Brunet, University of Ottawa
30. **Does a single bout of 'green exercise' enhance the affective experience and future exercise behavior? A pilot study**
Ford B. Dyke, Taylor L. Buchanan, Beverly Z. Crawford, & Matthew W. Miller, Auburn University
31. **Effects of cinnamon scent administration on physiology, range of motion, mood, anxiety and perceived workload during a multi-session physical therapy program**
Bryan Raudenbush, Kristin Johnson, Sierra Moore, Jessica Florian, & Allison Burke, Wheeling Jesuit University
32. **The relationship between competitive anxiety in sport and error monitoring in long-distance runners**
Yuya Maruo & Hiroaki Masaki, Waseda University
33. **Effects of an 8-month physical activity intervention on Brain-Derived Neurotrophic Factor (BDNF): The Physical Activity and Alzheimer's Disease (PAAD) Study**
Jennifer L. Etnier, William B. Karper, Aaron T. Piepmeier, Laurie L. Wideman, & Michael A. Castellano, University of North Carolina at Greensboro
34. **Acute exercise and neurocognitive development in preadolescent and young adults: An ERP study**
Chien-heng Chu, National Taiwan Sport University; Tai-Fen Song, National Taiwan Sport University; Feng-Tzu Chen, National Taiwan Sport University; Yen-Shan Chang, National Taiwan Sport University; Yu-Kai Chang, National Taiwan Sport University
35. **Exercise modality associated with special working memory tasks in late middle-aged adults**
Chih-Han Wu, National Taiwan Sport University; Feng-Tzu Chen, National Taiwan Sport University; Yu-Ming Ho, Hsiuping University of Science and Technology; Yu-Kai Chang, National Taiwan Sport University
36. **Effects of exercise involving open-skills and group characteristics on the Stroop Test performance: An intervention study**
Lin Chi, Ta Hwa University of Science and Technology; Ming Yu Ho, Hsiuping University of Science and Technology; Chih-Han Wu, National Taiwan Sport University; Yu-Kai Chang, National Taiwan Sport University
37. **Effect of jump rope exercise program on executive function in obese preadolescents: An RCT Study**
Jen-Hao Liu, Kao-Teng Yang, Chun-Chih Wang, & Yu-Kai Chang, National Taiwan Sport University
38. **Effects of aerobic exercise intervention on cognitive functions among individuals with low physical fitness status**
Yu-Ming Ho, Hsiuping University of Science and Technology; Lin Chi, Ta Hwa University of Science and Technology; Jen-Hao Liu, National Taiwan Sport University; Yu-Kai Chang, National Taiwan Sport University

39. **Acute aerobic exercise facilitates multiple aspects of cognition: An ERP and serum BDNF Study**
Chun-Chih Wang, Jen-Hao Liu, Lin Chi, & Yu-Kai Chang, National Taiwan Sport University
40. **Aerobic and coordination exercises are differently associated with cognitive functions and neuroelectrical activation in older adults**
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41. **An exploration of peer leadership and group dynamics in high school spirit teams**
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45. **Effects of a coaching communication workshop on alpine ski coaches' perceptions for engaging in RISE-enhancing interactions with their athletes**
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70. **Using self-reported and objective measures of self-control to predict exercise and academic behaviours among first-year university students**
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73. **Moderating effects of feedback sign and self-control strength depletion on resistance exercise performance**
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74. **Self-control strength depletion reduces self-efficacy and impairs endurance exercise performance**
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90. **Pushing yourself, carrying others: Occupational affordances are dictated by co-worker capacity**
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91. **Balance strategies depend on age while establishing single leg stance**
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