

Eighty-Ninth Annual Meeting
of the
National Academy of Kinesiology
September 12-14, 2019



Hyatt Regency Bellevue
Bellevue, Washington

Thursday, September 12, 2019

THEME OF THE MEETING

Optimization of Human Performance

The content will span multiple perspectives from the historical/philosophical to the biomechanical, physiological, cognitive-motor neuroscience, and psychological to coaching/pedagogy as well as sports medicine perspectives and extending to the organizational/sport management level. The study of human performance under challenging conditions is relevant to the success of many populations including athletes, first responders, and military personnel as well as the general population – both healthy and clinical groups. Collectively, the presentations are intended capture human performance from a 360-degree perspective and will be clustered according to the subdisciplines and will include approaches ranging from the molecular to the social levels of analysis. A summary integrative session is planned as a final part of the program in which the interactions between the various elements of performance will be discussed to address the overarching question: how do we build an elite performer?

10 AM-2 PM Executive Committee Meeting (Larch Room)
Bradley Cardinal, President (#475)
Oregon State University

5:30 PM Registration (Regency Foyer)

OPENING SESSION: Regency Ballroom (A-D)

6:30 PM Welcoming Remarks
Bradley Cardinal, President (#475)
Oregon State University

Introduction of Conference Theme and Invited Lecturer
Bradley D. Hatfield, Past President (#452)
University of Maryland

6:45 PM **The Rainer and Julie Martens Invited Lecture:**
“Practice Makes Permanent: Reproducibility and the Future of
Human Performance Research “
Dr. Adam Russell, D.Phil., Washington, DC
Moderator: Bradley D. Hatfield, Past President (#452)
Institution

8 PM-10PM Reception and Toasts to Honor the 2019 Class of New Fellows
and the 2019 Hetherington Award Recipient (Regency Foyer)

Friday, September 13, 2019

7:00 AM New Fellows Breakfast with Emeritus Fellows and Executive Committee Members (Larch Room)

7:00 AM Breakfast—All Other Attendees (Regency E-G)

SESSION I: Regency Ballroom (A-D)

Moderator: David Wiggins (#483), George Mason University

8:00 AM “The Preparation of the Elite Athlete from a Historical Perspective”
Mark Dyreson (#539), Penn State University

8:30 AM “What is the Value of Pursuing Optimal Athletic Performance?”
Cesar Torres (#531), The College at Brockport—State University of New York

9:00 AM “Optimizing the Biomechanical Efficiency of Human Movement”
Ron Zernicke (#503), University of Michigan

9:30 AM Discussion

10:00 AM Refreshment Break (Room Regency Foyer)

SESSION II: Regency Ballroom (A-D)

Moderator: Jeffrey Woods (#533), University of Illinois at Urbana-Champaign

10:30 AM “The Spectrum of Movement Economy and Mobility: From Endurance Athletes to Persons with Physical Challenges”
Don W. Morgan (#481), Middle Tennessee State University

11:00 AM “Role of Sport Science in Performance Enhancement”
Richard Kreider (#568), Texas A & M University

11:30 AM “Introducing the Male Athlete Triad Model Built on the Scaffolding of the Female Athlete Triad Model: Implications for Health, Performance and Recovery”
Mary Jane DeSouza (#497), Penn State University

12:00 PM Discussion

12:00 PM Discussion

12:30PM General Lunch (Regency E-G)

SESSION III: Regency Ballroom (A-D)

Moderator: Howard N. Zelaznik (#337), Purdue University

1:30 PM “Neural Correlates of Motor Learning on Earth and in Space”
Rachael D. Seidler (#581), University of Florida

2:00 PM “Psychology of Motor Performance and Learning: The
OPTIMAL Theory”
Gabriele Wulf (#584), University of Nevada, Las Vegas

2:30 PM **C. Lynn Vendien International Lecture**
“Understanding and Control of Cortical Activities for Superior
Motor Performance”
Tsung-Min (Ernest) Hung-International Fellow,
National Taiwan Normal University

3:00 PM Discussion

3:30 PM Refreshments (Regency Foyer)

SESSION IV: Regency Ballroom (A-D)

New Fellow “TED” Talks

Moderator: Edmund Acevedo (#534), Virginia Commonwealth University

In this session, six the NAK fellows inducted in 2018 share innovative ideas, perspectives, and insights based on their respective scholarly and professional contributions to Kinesiology. (These will be 15-minute presentations with no discussion.)

3:45 PM William Farquhar (#575), University of Delaware

4:00 PM Anthony P. Kontos (#577), University of Pittsburgh

4:15 PM Steven J. Petruzzello (#578), University of Illinois at Urbana-
Champaign

4:30 PM Lynda Ransdell (#579), Northern Arizona University

4:45 PM Deborah Riebe (#580), University of Rhode Island

5:00 PM Diane M. Wiese-Bjornstal (#582), University of Minnesota

5:15 PM Wine & Cheese Social Hour (Regency Foyer)

Saturday, September 14, 2019

7:00 AM Breakfast for Attendees (Regency E-G)

7:00 AM *Kinesiology Today* Editorial Board Breakfast (Larch Room)

SESSION V: Regency Ballroom (A-D)

Moderator: Ang Chen (#496), University of North Carolina Greensboro

8:30 AM “Regulators of Skill Development in School Physical Education”
Peter Hastie (#527), Auburn University

9:00 AM “Sports Performance Analytics: Science or Alchemy?”
Stefan Szymanski, University of Michigan

9:30 AM Discussion

10:00 AM Refreshments (Regency Foyer)

SESSION VI: Regency Ballroom (A-D)

Moderator: David H. Perrin (#401), University of Utah

10:15 AM “Maximizing Performance and Safety During Intense Exercise in the Heat”
Douglas J. Casa (#556), University of Connecticut

10:45 AM “Recent Advances in Primary and Secondary ACL Injury Prevention: What Does the Future Hold?”
Sandra J. Shultz (#530), University of North Carolina Greensboro

11:15 AM “The Changing Landscape of Sport Concussion: From Fools to Tools to Rules”
Kevin M. Guskiewicz (#466), University of North Carolina-Chapel Hill

11:45 AM Integrative Session with All Speakers

12:30 PM Lunch (Regency E-G)

1:00 PM Annual Business Meeting for all NAK Members (Regency A-D)

3:00 PM Executive Committee Meeting (Larch Room)

6:00 PM Reception with cash bar (Regency Foyer)

7:00 PM 89th Annual Awards Banquet (Regency A-D)