

# ICAMPAM 2022

JUNE 21-24, 2022

KEYSTONE, COLORADO USA



ISMPB.ORG/ICAMPAM

ICAMPAM 2022 looks forward to bringing together once again those with an interest in the study and applications of objective measurement and quantification of physical behaviour. Attendees will include researchers, students, clinicians, therapists, signal analysts, computational scientists, regulators, and commercial representatives.

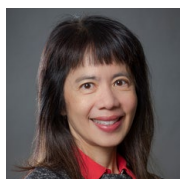
The three main scientific tracks and related themes of ICAMPAM 2022 will be: Technology & Algorithm Development, Big Data & Statistical Analysis, and Applications (such as using wearable devices)

## ICAMPAM 2022 KEYNOTE SPEAKERS

See full speaker biographies at [ismpb.org/keynote-speakers](https://ismpb.org/keynote-speakers)

Wednesday, June 22 9:00 - 10:00am

1:30 - 2:15pm



**PROF. I-MIN LEE**

Harvard Medical School

Maximizing the utility and comparability of accelerometer data from large-scale observational epidemiologic studies



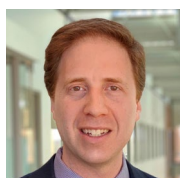
**DR. JESSILYN DUNN**

Duke University

The Digital Physiome: Wearables for Early Disease Detection

Thursday, June 23 8:00 - 9:00am

1:45 - 2:30pm



**DR. MATTHEW DIAMOND**

Digital Health Center of Excellence, FDA

The Use of Digital Health Technology for Behavioral and Physiological Measures in Clinical Investigations of Medical Products



**PROF. STEVE ROBINOVITCH**

Simon Fraser University

Avoiding Catastrophe during a Fall: Insights from Video Capture on the Landing Strategies of Older Adults during Real-life Falls

Friday, June 24 8:00 - 9:00am

8:00 - 9:00am



**PROF. ROBERT MOTL**

University of Illinois Chicago

Issues and Solutions in the Measurement of Physical Activity and Multiple Sclerosis: Lessons Learned and Implications for Other Neurological Diseases



**DR. FAY BAHLING HORAK**

Duke University

How to Select Balance and Gait Outcomes from Body-Worn Sensors for Clinical Trials on Parkinson's Disease

12:00 - 12:45pm

12:45 - 1:30pm



**PROF. MAI CHIN A PAW**

Amsterdam UMC

Let's dance around the world: Addressing WIERDNESS in the assessment of physical behavior



**DR. RICHARD TROIANO**

National Cancer Institute

Evolution of public health physical activity applications of accelerometers; a personal perspective

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## ICAMPAM 2022 PRE-CONFERENCE WORKSHOPS

Tuesday, June 21

- 9:30 - 11:00am**     **Workshop 1: Rewards and challenges of pairing wearable monitors with criterion measures of energy expenditure**
- **Dr. Kong Chen**, National Institutes of Health
  - **Seth Creasy**, University of Colorado
  - **Rob Brychta**, National Institutes of Health
  - **Ed Melanson**, University of Colorado
- Workshop 2: Using GPS data in physical behavior studies**
- **Alexis Le Faucheur**, Department of Sport sciences and physical education, Ecole normale supérieure de Rennes
  - **Jasper Schipperijn**, Department of Sports Science and Clinical Biomechanics, University of Southern Denmark
- 11:30am - 1:00pm**     **Workshop 2 (continued): Using GPS data in physical behavior studies**
- Workshop 3: Using git and GitHub to track, disseminate, and maintain your physical behavior code and data**
- **Paul R. Hibbing**, Center for Children's Healthy Lifestyles & Nutrition Children's Mercy Kansas City
- 2:00 - 3:30pm**     **Workshop 4: Validating digital mobility tools: the Mobilise-D experience**
- **Silvia Del Din, Lisa Alcock**, Translational and clinical Research Institute, Newcastle University
  - **Björn Eskofier**, Machine Learning and Data Analytics Lab, Department of Artificial Intelligence in Biomedical Engineering, University of Erlangen- Nürnberg
- Workshop 5: Building consensus and standards for GPS use, processing, analysis, and reporting in human health studies**
- **Marta Jankowska**, Department of Population Sciences, City of Hope
  - **Amber L. Pearson**, Department of Geography, Environment, and Spatial Sciences, Michigan State University
- Workshop 6: Clinical-research relevant outcomes from free-living Physical Behaviour data - the use of locus of activity, posture allocation and stepping behaviour to define Real World Outcomes (RWO)**
- **Douglas Maxwell, Dr David Loudon**, PAL Technologies Ltd.
- 4:00 - 5:30pm**     **Workshop 4 (continued): Validating digital mobility tools: the Mobilise-D experience**
- Workshop 6 (continued): Clinical-research relevant outcomes from free-living Physical Behaviour data - the use of locus of activity, posture allocation and stepping behaviour to define Real World Outcomes (RWO)**

Register Now for ICAMPAM 2022: [ismfb.org/registration](https://ismfb.org/registration)

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## ICAMPAM 2022 SYMPOSIA

### Wednesday, June 22

#### 10:30am - 12:00pm Symposium Session 1: Spatial analyses with behavioral data

- Jasper Schipperijn, Jordan Carlson, Marta Jankowska, Jing-Huei Huang, Aaron Hipp

#### Symposium Session 2: Measuring Sleep with Wearables: The ABC's of Measuring Z's

- Seth Creasy, Kong Chen

#### 2:45pm - 4:15pm Symposium Session 3: Physical Behaviors and Health: New Methods and Insights from Large Epidemiologic Studies Using Accelerometry

- Sarah K Keadle, Pedro Saint-Maurice, Qian Xiao, Kelly Evenson, Amanda Paluch

#### Symposium Session 4: Mobility outcomes for clinical trials in cerebellar ataxia: the route from the clinic to daily life

- Winfried Ilg, Fay Horak, Vrutangkumar Shah

### Thursday, June 23

#### 10:45am - 12:15pm Symposium Session 5: Harmonisation methods of accelerometry and linkage with prospective health data in the ProPASS Consortium: pooling international cohorts for individual participant meta-analyses

- Matthew N Ahmadi, Andy Atkins, Magnus Svartengren, Emmanuel Stamatakis

#### Symposium Session 6: Measuring the interrelationships between dietary intake and physical activity in free-living settings

- Sarah A Purcell, Danielle Ostendorf, Derek Hevel, Edward Sazonov, Krista Leonard

#### 4:00 - 5:30pm Symposium Session 7: The CNN Hip Accelerometer Posture (CHAP) Suite: Leveraging deep learning to close the gap between thigh and hip accelerometry in the free-living measurement of sitting behavior

- Mikael Anne Greenwood-Hickman, Jordan A Carlson, Marta M Jankowska, Paul R Hibbing, Dori E Rosenberg, Loki Natarajan

#### Symposium Session 8: Continued Use of Established Approaches to Analyzing Accelerometer Data for the Measurement of Physical Activity: How and Why to Keep it Simple

- Kimberly A Clevenger, Karin A Pfeiffer, Alexander Montoye

Book your Rooms at Keystone Lodge & Spa: [ismpb.org/destination](http://ismpb.org/destination)