The 5th Nordic Seminar on Technical Measurements of Physical Activity and Sedentary Behaviour, Trondheim, June 2nd – 3rd, 2022

Day 1  Thursday June 2nd  (Room – KA12, Kunnskapssenteret)

09:00 Welcome and coffee
09:30 Introduction  Paul Jarle Mork
09:40 The 24-hr paradigm – recent advancements and the way forward  Charlotte L Rasmussen

Session 1.  Advancements in measurements and analysis  (Chair: Kerstin Bach)
10:10 SurPASS  Nidhi Gupta
10:30-10:50 Coffee break
10:50 Methodological decisions before analysing raw accelerometer data in the SCAPIS project  Daniel Arvidsson
11:10 From processing of raw accelerometer data to multivariate analysis  Jonatan Fridolfsson
11:30 Multivariate pattern analysis of the physical activity intensity spectrum – what have we learned?  Eivind Aadland
11:50 Questions and discussion – session 1

12:00-13:00 Lunch & walk

Session 2.  Advancements in measurements and analysis  (Chair: Nidhi Gupta)
13:00 STUNTH – a new cohort on health care workers  Ellen Marie Bardal HARTH –
13:20 Physical activity in children with congenital heart disease: when methodological improvements matter  Pia Skovdahl
13:40 ActiPASS – validation of time lying down and sleep  Peter Johansson/
14:00 Adding context to accelerometer data using GPS devices  Pasan Hettiarachchi
14:20 Questions and discussion – session 2
14:30-14:50 Coffee break

Session 3.  Cohorts, methods, and interventions  (Chair: Tom Ivar Lund Nilsen)
14:50 Applying Mendelian randomization in the HUNT Study  Mats Flaaten
15:10 HUNT – Self-reports vs. objective measurements  Atle Kongsvold
15:30 Considering individual fitness when analyzing associations between physical activity and health in the SCAPIS project  Jonatan Fridolfsson
15:50 Questions and discussion – session 3

18:00-19:00 Speed-dating for research collaboration
19:00-23:00 Dinner at Rockheim (https://rockheim.no/en)

Day 2  Friday June 3rd  (Room – KBA, Kvinne-barn-senteret)

09:00 Welcome and coffee

Session 4.  Cohorts, methods, and interventions  (Chair: Paul Jarle Mork)
09:30 The Tromsø Study – Machine learning to construct new types of algorithms to study physical activity  Shaheen Syed
09:50 Consumer-based activity trackers as a tool for physical activity monitoring  André Henriksen
10:10 Intervention research to promote physical activity during the early years – what have we done and where are we heading?  Eivind Aadland
10:30-10:50 Coffee break
10:50 Patterns and changes of 24-h movement behaviour:
The Finnish Retirement and Aging study  Sari Stenholm
11:10 A human activity recognition dataset for machine learning  Kerstin Bach/
11:30 Questions and discussion – session 4

11:40 Closing and wrap-up
12:00-13:00 Lunch