

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 HARTH – A human activity recognition dataset for machine learning

Aleksej Logacjov

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/
Pasan Hettiarachchi

14:00 Adding context to accelerometer data using GPS devices

Jasper Schipperijn

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 STUNTH – a new cohort on health care workers

Ellen Marie Bardal

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 Applying Mendelian randomization in the HUNT Study

Mats Flaaten

11:30 Questions and discussion – session 4

11:40 Closing and wrap-up

12:00-13:00 Lunch