

8TH Virtual Winter Symposium of the HUMAN MOTION PROJECT



Human Motion in times of Corona: A booster for walking, the use of wearables in clinical trials and telemedicine in clinical practice?

10 March 2021

08:30 AM - 05:00 PM | online

Link to the livestream will be provided to registered participants

Register until February 26th, 2021

Scan QR-Code or go to:

<https://goo.gl/forms/koSMGNtHe2GuBgRI2>



Contact: Prof. Dr. Martin Daumer

SLCMSR e.V. -

The Human Motion Institute

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PRELIMINARY PROGRAM

08:30 Registration & Virtual waiting room

09:00 Welcome

Martin Daumer, SLC-The Human Motion Institute, Trium Analysis Online, Technical University of Munich (TUM), GER

09:15 Keynote lecture: "In Praise of Walking"

Shane O'Mara, Trinity College Dublin, Experimental Brain Research, IRL

09:45 The influence of inactivity on health

Mathias Ried-Larsen, University of Southern Denmark Institute of Sport Science and Clinical Biomechanics, DK

10:00 What are good muscle endpoints for clinical studies?

Jörn Rittweger, German Aerospace Center (DLR), Division of Muscle and Bone Metabolism, Cologne, GER

10:15 Discussion, Coffee break

10:30 Sex-hormones and trainability

Ylva Hellsten, University of Copenhagen, Integrative Physiology, Department of Nutrition, Exercise and Sport, DK

10:45 Learning from healthy bears

Peter Godsk Jørgensen, Copenhagen University Hospital, Rigshospitalet, DK

11:00 Real world walking speed and mobile accelerometry with RCT3 platform — privacy by design

Marcin Mider, Trium Analysis Online, GER

11:15 Neurodegeneration and Disability in PPMS:

Multimodal monitoring between real-life walking and brain imaging

Jan-Patrick Stellmann, Aix-Marseille Université, Centre de Résonance Magnétique Biologique et Médicale, FR

PRELIMINARY PROGRAM

11:30 Fit-for-purpose validation of novel, value-based, digital endpoints for clinical trials

Adam Cohen, Centre for Human Drug Research (CHDR), NL

11:45 Discussion, Lunch break

12:45 Mobile monitoring of pregnancies: Experience in Denmark

Olav Bjørn Petersen, Rigshospitalet, Department of Obstetrics and Gynaecology, Copenhagen, DK

13:00 Mobile monitoring of pregnancies: Experience in Germany

Uwe Hasbargen, Ludwig-Maximilians-University of Munich (LMU), Perinatal Center, Department of Obstetrics and Gynecology, GER

13:15 Use of the CHDR Trial@Home platform for studying recovery from pulmonary infections in children-relevance for viral infections

Vasileios Exadaktylos, Centre for Human Drug Research (CHDR), NL

13:30 Accelerometric gait Analysis devices in children — will they accept it?

Marcello Grassi, SLC-The Human Motion Institute, GER

Isabella Wiedmann, German Aerospace Center (DLR), Division of Muscle and Bone Metabolism, Cologne, GER

13:45 Discussion, Coffee break

14:00 Artificial Intelligence in Healthcare and Medicine

Daniel Rückert, Alexander von Humboldt-Professor for AI Chair for AI in Healthcare and Medicine, Faculty of Medicine and Informatics, Technical University Munich (TUM), GER

14:15 Telehealth in Denmark: From monoliths to co-creation

Morten Kyng, Århus University, Department of Computer Science, and Alexandra Institutet, DK

PRELIMINARY PROGRAM

14:30 Innovative teaching at TUM in times of Corona
Klaus Diepold, Michael Zwick, Technische Universität München (TUM), Department of Electrical and Computer Engineering, GER

14:45 Validating the Intel RealSense T265 for Human Motion Tracking
Peter Hausmann, Technische Universität München (TUM), Department of Electrical and Computer Engineering, GER

15:00 Orthopedic surgery in times of Covid
Markus Walther, Schön Klinik München Harlaching, Foot and Ankle Surgery, GER

15:15 Discussion, Coffee break

15:30 Introduction to student presentations of the TUM lecture Clinical Applications of Computational Medicine (CACOM)

15:45 “flexeal” for face masks: stop your glasses from steaming up and increase protection in times of COVID-19
Dennis Göllitz, Franziska Stöckeler, Helga Ritzl, Samira Balbach, Jakob Pfohl (“flexeal” study group)

16:00 Development of a DIY air purifier for reducing the risk of coronavirus transmission in a low and high budget version
Leon Mayer, Claudia Hofmann and “flexeal” study group

16:15 Gait: a new fingerprint?
Aydin Uzun, Oussama Skhiri

16:30 Towards verification of fetal heartbeat simulators
Carolina Contreras, Feriel Fendri, Ivan Kokhanovskyi, Lina Ben Messaoud

16:45 Panel Discussion, Closing Remark

The organizers reserve the right for rearrangements

REGISTRATION

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We believe in the importance of holding this Winter Symposium and we rely on your attendance to make it a success.

Given the economic impact that COVID-19 is having across the world we have decided not to charge any registration fees. Instead, we would appreciate any financial support to our nonprofit organization SLC-The Human Motion Institute in the form of a donation, in order to continue our work.

If you have any questions, please contact us at sambo@slcmsr.org

Account holder: Sylvia Lawry Centre for MS Research e.V.
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Confirmation
Upon receipt of the donation, a receipt for tax purposes will be issued

For online registration scan QR-code or go to:
<https://goo.gl/forms/koSMGNtHe2GuBgR12>



Further information about the symposium and link to the livestream will be provided to registered participants

General Data Protection Regulation

The applicant agrees that SLCMSR electronically saves and processes personal data necessary for the registration process and upcoming symposia (§28 GDPR)

REGISTRATION CLOSING DATE
FRIDAY FEBRUARY 26, 2021

GENERAL INFORMATION

SCIENTIFIC COMMITTEE:

Martin Daumer, SLC-Human Motion Institute, Trium Analysis GmbH, TU Munich

Ylva Hellsten, University of Copenhagen, Integrative Physiology, Dept. of Nutrition, Exercise and Sport

Jörn Rittweger, German Aerospace Center (DLR), Head of the Division of Muscle and Bone Metabolism

ACADEMIC PARTNERS



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BLÄK

This Symposium is registered as a training event in the category A by the Bayerische Landesärztekammer (Bavarian Medical Association)