Program VvBN PhD-day 2015
‘Enabling technology for human functioning’

Thursday September 24, 2015

University of Twente
Drienerlolaan 5
Enschede
Building Zuidhorst
Room ZH 286

9.30 Welcome and coffee

10.00 Opening – Prof. dr. Miriam Vollenbroek

10.05 Keynote Lecture Prof. dr. Wim de Ridder

Podium presentations

10.35 An mHealth intervention for physical activity coaching in cancer survivors
Marije Wolverson – Roessingh Research and Development

10.50 Systematic review of the effects of biofeedback during gait retraining in orthopaedic or musculoskeletal conditions
Rosie Richards – MOVE Research Institute/VU University Medical Center

11.05 PERSSILAA project: Sensitivity of a screening method to identify (pre)frailty among older adults
Sanne Frazer – Roessingh Research and Development

11.20 Kinematic validation of the Interactive Walkway for quantitative gait assessments
Daphne Geerse – MOVE Research Institute/VU University Medical Center

11.35 Coffee Break
Podium presentations

11:50  A new leg prosthesis to improve lateral balance in prosthetic walking  
Esar van Hal – University Medical Centre Groningen

12.05  Investigating the effect of shear on skin viability, in relation to the development of pressure ulcers.  
Iris Hoogendoorn – University of Twente/Roessingh Research and Development

12.20  Visualization of shoulder range of motion for clinical diagnostics  
Arno Stienen – University of Twente

12.35  Poster pitches
1. An technology enhanced home-based exercise program to improve daily activity performance in community dwelling older adults; design of a randomized controlled trial.  
Tessa Dadema – Amsterdam School of Health Professions
2. An inverse dynamic analysis on the influence of lower arm support on persons with FSHC during reaching.  
Hans Essers – Maastricht University
Klaske van Kammen - Revalidatie Friesland / University Medical Centre Groningen
4. Effect of tsDCS applied with different electrode configurations on the lumbar spinal circuits.  
Alexander Kuck – University of Twente
5. Stability recovery after tripping is not predicted by static posturography in vestibular disorder patients.  
Christopher McCrum – Maastricht University
6. Coordination of trunk, head and arm movements during functional tasks.  
Laura Peeters – Radboud University Medical Centre
7. Towards intuitive multi-DOF EMG-based control of active arm supports for men with Duchenne muscular dystrophy: design of an artificial neural network to map EMG to force.  
Joan Lobo Prat – University of Twente
8. Validity of two commercially available activity monitors in determining physical activity, sedentary time and breaks.  
Maik Sliepen – University of Münster

13.00  Lunch, information market, posters

14.00  Keynote Lecture Prof. dr. ir. Vanessa Evers
Podium Presentations

14.30   LOPES II – Design and evaluation of an admittance controlled gait training robot with shadow-leg approach
         Jos Meuleman – MOOG BV/University of Twente

14.45   Technology-supported versus usual arm and hand training at home in chronic stroke
         Sharon Nijenhuis – Roessingh Research and Development

15.00   Does flexibility in reaching movements increase through training?
         Inge Tuitert – Aix-Marseille Université/University Medical Center Groningen

15.15   Coffee break

Podium Presentations

15.30   Alerting older cyclists for traffic approaching from behind: two modalities of warnings compared
         Carola Engbers – Roessingh Research and Development

15.45   C-Gait: patient-tailored C-Mill gait adaptability training
         Celine Timmermans - MOVE Research Institute/VU University Medical Center

16.00   Enhance – intention based enhancement of reaching and grasping during daily life tasks in the homes of stroke patients
         Anne van Ommeren – Roessingh Research and Development

16.15   Hand and wrist orthoses for home-based post-stroke rehabilitation
         Serdar Ates – University of Twente

16.30   Closing and drinks