

SIG MOBILITY 2017

TECHNOLOGY SUPPORTED ASSESSMENT AND REHABILITATION IN MS

Thursday – November 16, 2017

Location: Oude Gevangenis campus Hasselt; Martelarenlaan 42.

18.00 Registration & hand-over of Welcome bag

Getting together

Soup and sandwiches

19.00 A Biogen-sponsored scientific/educational event.

Location: Aula Louis Roppe

*“Treating impaired walking in MS with Fampyra: from studies to real-world experience”
An expert panel discussion.*

Moderator: Matthias Meergans, Biogen Idec

Expert panel:

- Bart Van Wijmeersch
neurologist RMSC Overpelt, professor at UHasselt, president of PARADIGMS
- Ulrik Dalgas
exercise physiologist, professor at Aarhus University
- Paul Van Asch
clinical physiotherapist, CEO center Kontich, president of MOVE TO SPORT

Health economic data show a high burden for walking impairment in MS.

In an interdisciplinary podium discussion with international MS experts, we want to analyse recent outcomes, identify structural needs and put the results into perspective for our daily clinical reality.

The participants attending the meeting will be encouraged to share their clinical and research experiences.

20.30 Welcome reception



email: secretariat@eurims.org
web: www.euRIMS.org

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Friday – November 17, 2017

Location: campus Diepenbeek; Agoralaan Building D.

08.30 Doors open **Handing over nametag and welcome bag**

Students in Rehabilitation Sciences and Physiotherapy (3th Ba & 2nd Ma) will attend the first session.

Opening session: Web-based rehabilitation

Chair: P. Feys and P. Van Asch.

Location: aula H6

08.45 Welcome by P. Stinissen, dean of the faculty of medicine and life sciences.

Opening by Paul Van Asch and Anders Romberg, SIG Chairs

Opening by Peter Feys and Ilse Bosmans, local organizers

09.00 Keynote 1 **Paul Lorna (SCH)**; *Web-based physiotherapy challenges and solutions*

09.45 Keynote 2 **Streber Rene (DE)**; *Web-based physical activity promotion – needs & potentials*

10.30 – 11.00 Coffee break in The Agora

Session 1: Technological applications in current rehabilitation

Chair: A. Romberg and D. Cattaneo.

Location: aula H6

Oral presentations (8 minutes for every presentation and 2 minutes discussion).

11.00 Uszynski M. (IE): The effects of 12 weeks of Functional Electrical Stimulation on various outcome measures in people with MS who use physio aids for walking - case studies.

11.10 Novotna K. (CZ): Effect of functional electrostimulation (FES) versus ankle foot orthosis (AFO) on gait parameters in people with MS.

11.20 Baert I. (BE): Cognitive-motor interference in persons with MS: dual-task assessment and training. Preliminary results of a multi-center study.

11.30 Gervasoni E. (IT): Effect of treadmill training in improving gait parameters and dual task cost in patients with Multiple Sclerosis.

11.40 Buhmann J. (BE): Music in gait rehabilitation: why and how to select it?

11.50 Moumdjian L. (BE): Effect of motor entrainment to auditory cues and music during walking on quality of movement and perceived fatigue.

12.00 Round-up and Official Group Photo moment

12.10 – 12.55 Lunch in the Agora

AFTERNOON

Parallel workshops 1 and 2

13.00 – 14.30 Both workshops will be given twice, starting at the following times:

session 1) 13.00 – 13.40

session 2) 13.45 – 14.30

Workshop 1 (location B101 and B103): Fanny van Geel

How to train and assess cognitive-motor interference: tablet-based applications

Workshop 2 (location B106a and B106b): Lousin Moumdjian

Let's walk to music: synchronizing to sound using interactive adaptive technology

Session 2: Outcome measures and symptomatic rehabilitation

Chair: K. Rasova and J. Jonsdottir.

Location: aula H1

Oral presentations (8 minutes for every presentation and 2 minutes discussion).

14.40 Barin L. (CH): Outcome measures for neuro-rehabilitation in persons with progressive MS: is there still potential for optimization in Swiss routine care?

14.50 Van Geel F. (BE): Assessment of walking related performance fatigability: a systematic review.

15.00 Riemenschneider M. (DK): Dynamic rather than static fatigability protocols relate to walking performance in persons with MS.

15.10 Christiansen H.S.C. (NO): Trunk control and walking in MS.

15.20 Round-up (with questions & answers) of session 2

15.30 – 16.15 Coffee break

16.15 Keynote 3 **Motl Rob (US)**; *Internet-delivered behavioural interventions for MS*

17.00 RIMS funded international interview results

Riemann-Lorenz; *Adherence in MS- PA: Barriers and facilitators of long-term adherence to physical activity in MS*

17.30 Optional Group discussion **Riemann-Lorenz**; *Establishing novel multi-center collaborations*

20.00 – 22.30 Dinner at De boulevard: Holiday Inn

Kattegatstraat 1, 3500 Hasselt

<http://www.bestbelgianbrasserie.com/deboulevard>

Saturday – November 18, 2017

Location: Rehabilitation & MS Center Overpelt (Boemerangstraat 2, 3900 Overpelt)

08.00 Bus leaves the Holiday Inn Express Hasselt (Thonissenlaan 37, 3500 Hasselt) for
Rehabilitation & MS Center Overpelt

Session 3: Interventions and rehabilitation technology tools

Chair: U. Dalgas and J. Freeman.

Location: 1st floor, meeting rooms 1-3

08.45 Coffee

09.00 Welcome speech by Heidi Jannis, care manager of R&MSC Overpelt

09.15 Keynote 4 **Sabbe Lode (BE); Off the shelf tools for rehabilitation**

Oral presentations (8 minutes presentation and 2 minutes discussion).

10.00 Gunn H. (UK): Evaluating the relationship between physiological and perceived fall risk in people with MS.

10.10 Quinn G. (IE): Development of a Falls Prediction Tool for Use with People with MS.

10.20 Anastasi D. (IT): Effect of treadmill training on Dynamic Balance in People with MS.

10.30 – 11.00 Coffee break

Continuation session 3

11.00 Raats J. (BE): Intensity dependent clinical effects of technology-supported task-oriented upper limb training in MS.

11.10 Kjeldgaard-Jørgensen M.L. (DK): Effects of progressive resistance training on functional capacity in multiple sclerosis – results from the ACTIMS study.

11.20 Hvid L.G. (DK): Is the effect of personalized multidisciplinary rehabilitation blunted by advanced age? The Danish MS Hospitals Rehabilitation Study.

11.30 Jonsdottir J. (IT): Virtual reality activities and multimedia content into a rehabilitation program for persons with MS: applications of the head (Human Empowerment aging and disability protocol).

11.40 Lam K. (NL): NeuroKeys: smartphone-based monitoring in MS.

11.50 Dettmers C. (DE): Attractor-based kinematic gait analysis in MS.

12.00 Round up (with questions & answers) of session 3

12.00 – 12.45 Lunch

AFTERNOON

Participants can choose

12.45 Guided tour by I. Bosmans, Dennis Hannes, Ingrid Theunkens and Kelly Van Landeghem;
Guided tour of the therapy flat, ADL adapted houses and rehabilitation square

Or free time to spend on the market.

Parallel workshops day 2: 1, 2, 3 and 4

13.45 – 15.45 All workshops are 30 minutes and will be given 4 times, starting at the following times: session 1) 13.45
session 2) 14.15
session 3) 14.45
session 4) 15.15

Workshop 1: Hannes D. on Erigo (HOCOMA);

Verticalisation and training at earlier stages of rehabilitation.

Workshop 2: Grevendonck J. on C-MILL (MOTek-Force Link);

Gait assessment and training at later stages of rehabilitation.

Workshop 3: Moumdjian L. on APDM;

Portable and wireless sensors for gait and balance assessment.

Workshop 4: Free time to spend on the market

Closing

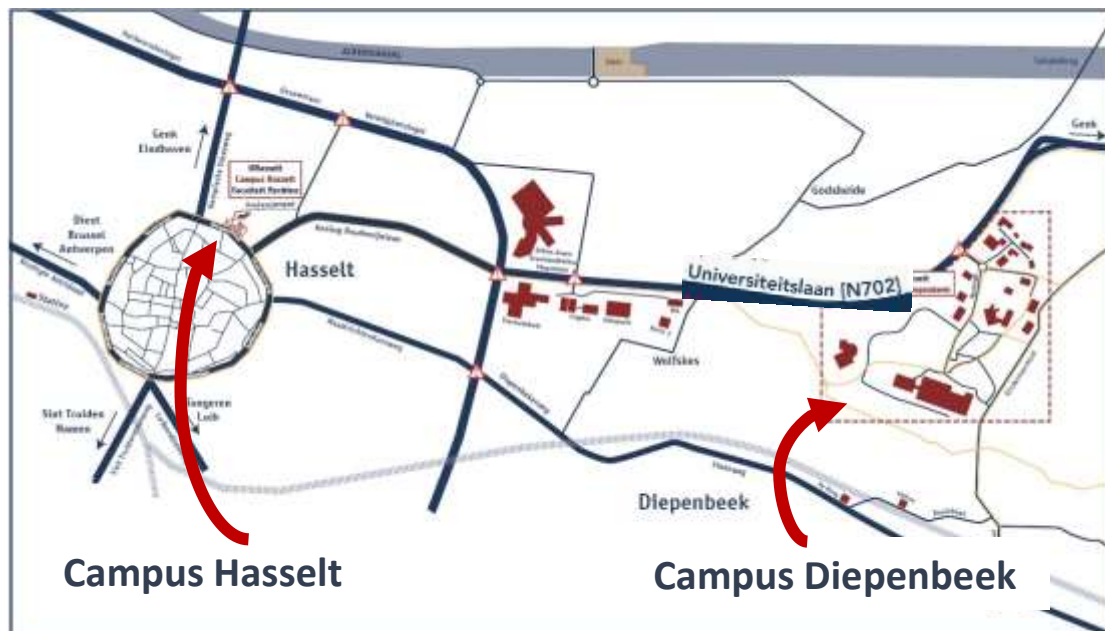
15.45 SIG mobility Governance and closure
Paul Van Asch & Anders Romberg (SIG chairs)

16.15 – 16.30 Bus leaves to Hasselt

Locations and Contacts

Locations University of Hasselt

Website: <https://www.uhasselt.be/Contact-and-location>



Campus Hasselt

Address: Martelarenlaan 42, 3500 Hasselt

Walking route from the Holiday Inn Express to Campus Hasselt

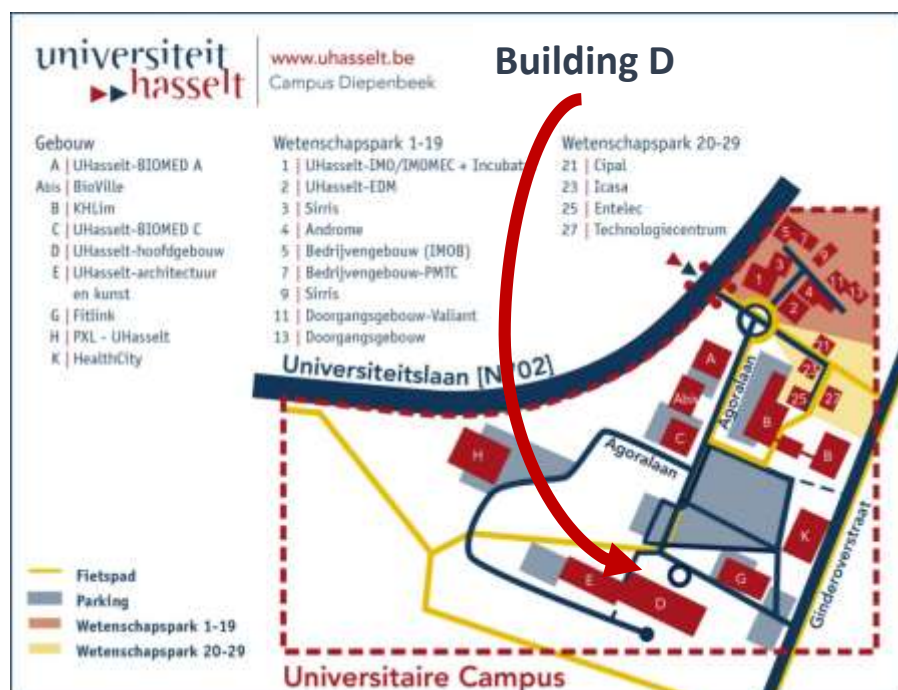


Oude Gevangenis - Gelijkvloers



Campus Diepenbeek

Address: Agoralaan Building D, 3590 Diepenbeek



Busses between Hasselt and Diepenbeek

Walk from the Holiday Inn Express to Hasselt Dusartplein. The busses with numbers 36 and 45 leave there and both stop at Universiteit, Campus Diepenbeek, which is closest to Building D. Tickets can be bought in the bus for 3 euros or you can text DL to 4884.

		Timetable bus 36 (to Genk)		Timetable bus 45 (to Maastricht)		
Departure	Hasselt - Dusartplein	07:41	08:14	07:59	08:01	08:18
	Stops inbetween	Kapermolen – Rijksadministratief Centrum – Provinciehuis – Agoralaan.		Kapermolen – Rijksadministratief Centrum – Provinciehuis – Agoralaan.		
Arrival	Diepenbeek - Universiteit	07:50	08:23	08:09	08:11	08:28

Bus to and from Overpelt

Hasselt – Rehabilitation and MS Center Overpelt:

The bus (company Hendriks) leaves at 08.00 from the Holiday Inn Express Hasselt.

Rehabilitation and MS Center Overpelt – Hasselt:

The bus (company Hendriks) leaves between 16u15 and 16u30 from Overpelt to Hasselt.

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