

GERMAN SPORT UNIVERSITY COLOGNE



iStoppFalls Symposium Programme 2014

22.10.2014



Friday 24 October 2014

8.30-17.00 Registration

Welcome address (Hörsaal 2)

9.40-10.00 Prof. Prof. W. Zijlstra (Head Institute of Movement and Sport Gerontology, German Sport University Cologne)

10.00-10.20 Dr. R. Wieching (iStoppFalls project coordinator, University of Siegen)

Poster Session to run throughout Day 1. All presenters will be available during coffee breaks to answer questions.

10.30-12.00	Session 1a Chair	Physical Activity & Fall Prevention (SR 15) Yves Gschwind (Neuroscience Research Australia)	Session 1b Chair	Research Methods (SR 14) Karl Kreiner (Austrian Institute of Technology)
10.35-10.55	Technological assistance – Views from End-Users: Heidrun Mollenkopf (German National Association of Senior Citizens' Organisation)		Quality of life in ICT: Hannah R. Marston (German Sport University Cologne)	
10.55-11.15	The role of technology in the current Healthcare paradigm shift: Nick Guldmond (University Medical Centre Utrecht The Netherlands)		Qualitative methods in ICT and ageing: Claudia Müller (University of Siegen)	
11.15-11.35	Daily life mobility and fall risk: an evaluation of the iStoppFalls randomized controlled trial: Janneke Annegarn (Philips)		Market acceptance and dissemination of iStoppFalls. Research on the enablers and barriers in the uptake and adherence of iStoppFalls and possibilities for dissemination: Elderik Kranen (Philips)	
11.35-11.55	Evidence-based fall prevention: FARSEEING experience: Lorenzo Chiari (University of Bologna)			

12.00- 13.30 Lunch

13.30-14.30 Keynote – Academic (Hörsaal 2)

Dawn Skelton (Glasgow Caledonian University): Falls prevention: an update on evidence and implication for ICT
Chair **Michael Brach (University of Münster)**

14.40-16.00	Session 2a Chair	Utilization of Sensor Technology (SR 15) Heribert Baldus (Philips)	Session 2b Chair	Usability/Accessibility (SR 14) Gunnar Stevens (University of Siegen)
14.40-15.05	The iStoppFalls Assessment - a new method for fall risk prediction in older adults: Andreas Ejupi (Austrian Institute of Technology)		Exploring usability, accessibility and user experience of the iStoppFalls system: Results from the iStoppFalls Living Lab and Clinical Trial: Daryoush Vaziri (FH Remagen)	
15.05-15.30	Distress detection based on multimodal data fusion for medical remote monitoring: Jerome Boudy (France Telekom and University of Technology of Troyes)		Fall Preventive exergaming in older adults: more simple or highly sophisticated? Results from qualitative studies in Germany and Australia: Konstantin Aal (University of Siegen)	
15.30-15.55	Chair rise transfer detection and analysis using a pendant sensor: an algorithm for fall risk assessment in older people: Wei Zhang (Philips)		Experience of flow in the RCT: Hannah R. Marston (German Sport University Cologne)	

16.00-16.30 Coffee break

16.30-17.30	Session 3 Chair	iStoppFalls and Sure Step (Hörsaal 2) Volker Wulf (University of Siegen)
16.30-16.50	A Fall Prevention Exergame for Community-Dwelling Older Adults: Results from a Long-Term Living Lab Study: Corinna Ogonowski (University of Siegen)	
16.50-17.10	Preliminary results of the iStoppFalls randomized clinical trial: Rainer Wieching (University of Siegen)	
17.10-17.30	SureStep – an interactive step training system improves balance & cognitive function in older people: Kim Delbaere (Neuroscience Research Australia)	

17.30 Closing of Day 1
Volker Wulf (University of Siegen)

19.30 Dinner at "Brauerei zur Malzmühle"

Saturday 25 October 2014

8.30-17.00 Registration

09.00-10.30	Session 4a Chair	Effectiveness on Physical Performance (SR 15) Janneke Annegarn (Philips)	Session 4b Chair	Design & Development of Games for Health (SR 14) Mario Drobits (Austrian Institute of Technology)
09.05-09.30	Effectiveness of an ICT-based exercise program – can it be quantified through a sensor-based assessment? Michael Kroll (German Sport University Cologne)		An IT perspective on developing games for health: considerations, experiences and recommendations: Karl Kreiner (Austrian Institute of Technology)	
09.30-09.55	Impact of combined balance and strength training on intrinsic fall-risk factors in healthy community dwelling old adults: Urs Granacher (Potsdam)		Motivotion60+: designing an exergame for mobility support: Michael Brach (University of Münster)	
09.55-10.20	A differential analysis of selected factors influencing the effectiveness of iStoppFalls training program: Dennis Fink (German Sport University Cologne)		Principles of designing exer-/healthgames: Nico Kaartinen (Kaasa)	

10.30-11.00 Coffee Break

11.00-12.30	Session 5a Chair	Effectiveness on Cognitive Performance (SR 15) Kim Delbaere (Neuroscience Research Australia)	Session 5b Chair	Biomechanics (SR 14) Wiebren Zijlstra (German Sport University Cologne)
11.05-11.25	iStoppFalls – results and experiences from the Australian study site: Yves Gschwind (Neuroscience Research Australia)		New technologies for the definition and application of biomechanical models for older people balance assessment: Helios de Rosario (Instituto de Biomecánica de Valencia)	
11.25-11.45	Effects of exergames on cognitive performance: Sabine Eichberg (German Sport University Cologne)		Dynamic stability control during perturbed walking across the adult female lifespan: Kíros Karamanidis (German Sport University Cologne)	
11.45-12.05	Interaction cognitive-motor training and fall risk reduction in older people: Eling de Bruin (ETH Zürich)		Measuring functional movement in people with Parkinson’s disease using the Microsoft Kinect: Brook Galna (Newcastle University)	
12.05-12.25			Fall detection in wide areas and tele-assistance with a service robot: Marc Bosch Ruiz (Universidad Politécnica de Valencia)	

12.30-14.00 Lunch

14.00-15.00 **Keynote – Industry:**
J. Habetha (Philips) - Fall detection and prevention: an industry perspective (Hörsaal 2)
Chair Rainer Wieching (University of Siegen)

15.00-15.30 Coffee Break

	Session 6 Chair	Best Practice: Academic, Industry, and End-User (Hörsaal 2) Sabine Eichberg (German Sport University Cologne)
15.30-16.15	SilverFit: from idea to product. Computer games to make rehabilitation for elderly people inviting and fun: Joris Wiersinga (SilverFit)	
16.15-16.45	Fall prevention as social business – return of investment by improving health and mobility: Georg Aumayr (Head of Research Department for Johanniter in Austria)	
16.45-17.15	Fall prevention assessment and exercises – Practical use and motivation: Harald Jansenberger (Institute of Jansenberger)	

17.15-17.30 **Closing Remarks**
Rainer Wieching (University of Siegen)