Mobile health satellite

mHealth in clinical practice: key to improve quality of care

What role can mHealth play in the search for a better, cheaper and more human health care? How can mHealth in clinical practice contribute to a higher quality of care? Based on the whole-system perspective of the World Health Organization, quality of care is translated into six dimensions: health care needs to be effective, efficient, accessible, patient-centered, equitable and safe. mHealth provides opportunities for enhancing all six dimensions by facilitating the continuum of care beyond the hospital walls.

Satellite speakers will present mHealth solutions tailored to the clinical practice with a focus on quality improvement in one or several dimensions. A mix of researchers, health care professionals and entrepreneurs will highlight the importance of getting all stakeholders involved to give integration and ultimately implementation of innovative mHealth solutions the best chance.

Join us and get inspired by different mHealth solutions for prevention, diagnosis and disease management all developed in close collaboration with the Mobile Health Unit (MHU) of Hasselt University, Jessa Hospital and Hospital East-Limburg.

This satellite aims to sensitize small and big players in mobile health to boost collaboration and take mHealth in clinical practice to the next level.

PROGRAM:
12u45: Lunch & Welcome
13u00: Presentations
14u30: Expert panel & debate
Speakers - Satellite conference mHealth

Prof. Dr. Dominique Vandijck

Hasselt University, BE

mHealth and quality of care

Curriculum vitae

Prof. Dr. Dominique Vandijck is professor of Healthcare Innovation, Health Economics & Patient Safety at the Faculty of Medicine and Life Sciences of Hasselt University, and at the Faculty of Medicine and Health Sciences, and the Faculty of Pharmacy at Ghent University (Belgium). He is also affiliated at the Department of Internal Medicine and Infectious Diseases of Ghent University Hospital. His main research interests include quality & safety topics, from a health economic perspective, primarily within the field of infection control, aimed at improving healthcare management performance. This research currently resulted in over 100 international peer-reviewed publications, of which a lot are published in high-ranked journals. He has an extensive experience in management and policy supportive research (Flemish government, Federal Services and European Commission) concerning the use and development of quality indicators, and the capacity of health care services on different levels of care. He is also frequently invited to act as an expert for several national and international regulatory agencies. Prof. Dr. Dominique Vandijck holds a PhD in medical sciences (Ghent University). His background also includes a master degree in Medical and Social Sciences (option Healthcare Management & Policy), Biostatistics (both, Ghent University), and a master degree in Service and Healthcare Management at Vlerick Leuven Ghent Management Business School.

Prof. Dr. Ronald Thoelen

Hasselt University, BE

Prototyping innovations in mHealth

Curriculum vitae
R. Thoelen obtained his master in applied physics at the TU Eindhoven in 2004. In 2008 he obtained his Ph.D. in physics at UHasselt with the topic impedance based biosensors. Currently He is assistant professor at the Faculty of Engineering Technology of UHasselt since 2013, now building up a research career within as groupleader of the research group 'biomedical device engineering'. R. Thoelen is currently coordinator of the electronics & ICT master program of his faculty and board member of the joint KU Leuven - UHasselt faculty of Engineering Technology.

Dorien Lanssens

Hospital East-Limburg - Hasselt University, BE

Remote monitoring care path in high risk pregnancies

Curriculum vitae

Dorien Lanssens is a PhD-researcher at the Mobile Health Unit of Hasselt University in cooperation with the tertiary care center Ziekenhuis Oost-Limburg. She started her midwifery training at Vroedkunde Limburg in 2009 and obtained her bachelor degree in 2012. At the proclamation, Dorien received the award of 'Vroedvrouw van het jaar', handed out by De Vlaamse Organisatie van Vroedvrouwen. In 2014, she graduated from the Catholic University of Leuven in Master of Nursing and Obstetrics. Dorien started her PhD-project in September 2014 entitled: 'Remote monitoring in high risk pregnancies'.

Dr. Ines Frederix

Jessa Hospital - Hasselt University, BE

Telerehab III, evaluating the long-term (cost-) effectiveness of a comprehensive cardiac telerehabilitation program

Curriculum vitae

Dr. Frederix completed her Bachelor in Medicine at Hasselt University in 2010; and her Masters at the KU Leuven in 2014. Already very early in her training she became active as a researcher in the ongoing trials on telerehabilitation for cardiac patients. It started with the Telerehab I trial, comparing motion sensors in a telerehabilitation program for cardiac patients at Jessa. Telerehab I was followed by Telerehab II and III; the results of which were published both nationally and in international peer-reviewed journals (the Journal of Telemedicine and Telecare, the European Journal of
Preventive Cardiology). Dr. Frederix started her PhD on cardiac telerehabilitation in 2014, with the main goal to contribute significantly to the current and future developments in the field.

Jo Van der Auwera
Qompium, BE

My doctor's prescription: an app twice a day

Curriculum vitae

Jo Van der Auwera is a graduate in biomedical sciences at Hasselt University. While performing his master's thesis in 2014 at the Mobile Health Unit - Hasselt University in cooperation with Hospital East-Limburg he gained an expertise in telemonitoring of cardiac patients. Next, he co-founded Qompium last August of which he is now CEO. Qompium is a company specialised in medical smartphone applications and services. They are one of the laureates of the Grants4Apps program by Bayer HealthCare which allowed the whole team to work in Berlin for four months and receive Bayer's support. Qompium is one of the companies supported by the iStart program of iMinds.

Eva Geurts

Expertise Centre for Digital Media (EDM) Hasselt University, BE

A mobile cycling app to guide heart patients during their rehabilitation in the home environment.

Curriculum vitae

Eva Geurts received a master degree in computer science in 2014, with a specialisation in the domain of Human-Computer Interaction (HCI). The topic of her master proof was "I want to ride my Bicycle", including a study of telerehabilitation for heart patients, and the design and development of a mobile application to guide heart patients during a bike tour in the context of rehabilitation outside the hospital and rehabilitation center.

Meanwhile, Eva Geurts joined the Human-Computer Interaction group of the Expertise Centre for Digital Media, the ICT research institute of Hasselt University. Through involvement in basic and applied research projects, she is exploring general HCI...
research topics of the group such as user-centred software engineering and mobile and context-sensitive systems. Eva Geurts shows a particular interest in CareTech and technology-supported rehabilitation.

Peter van Vooren

Remedus, BE

Patient-centered mHealth coaching solutions for chronic and complex transmural care paths.

Curriculum vitae

Peter van Vooren joined Remedus in 2014, following the acquisition of the telemonitoring activities of fifthplay and is currently active as its Business Development Manager to introduce novel concepts of telemonitoring and telecoaching towards hospitals, pharmaceutical companies and all care professionals involved. Peter holds Master’s Degrees in Mechanical Engineering from the Catholic University of Leuven, Belgium (KUL) and in Aeronautical Engineering from the University of Brussels, Belgium (VUB). He brings more than 20 years of experience in international sales and marketing of various advanced software solutions in engineering, manufacturing, logistics, energy and health management. Prior to Remedus, Peter worked for fifthplay as Sales Director and focused on selling fifthplay’s energy management and health telemonitoring solutions. fifthplay’s health telemonitoring business was sold to Remedus in November 2014.

Prof. Dr. Paul Dendale (Moderator)

Jessa Hospital - Hasselt University, BE

Participant in the expert panel and debate

Curriculum vitae

Paul Dendale studied Medicine at the University of Antwerp (till 1986). In 1988 he obtained a special licence in Sports Medicine at the University of Brussels (VUB), where he was also full time interim assistant in sports medicine. He obtained specialisations in Cardiology (1993) and in Cardiac Rehabilitation (1997), both at the University Hospital of the VUB. From 1999 he was appointed Consultant Cardiologist (part time) at the University Hospital of the University of Antwerp (IZA). Since 2011 Paul is Head of the Department of Cardiology at the Jessa Hospital and professor of Cardiovascular Physiology and Cardiac Rehabilitation at Hasselt University. His fields of expertise are telemonitoring in heart failure, cardiac rehabilitation and
Prof. Dr. Pieter Vandervoort

Hospital East-Limburg - Hasselt University, BE

Participant in the expert panel and debate

Curriculum vitae

The rapid evolution in consumer electronics, mobile technology and data communication will bridge the gap between the medical and the digital revolution and change the way we deliver health care in the future. Pieter Vandervoort is a practicing cardiologist at Ziekenhuis Oost-Limburg in Genk, Belgium and co-founder of the Mobile Health Unit@Hasselt University. He gets his inspiration from his clinical practice and is pioneering the use of the internet, smartphones and remote monitoring devices to follow up on patients outside the hospital. Ziekenhuis Oost Limburg has currently several hundred cardiac patients monitored by their “clinical call center” and is one of the largest in Belgium. The Mobile Health Unit@UHasselt is a multidisciplinary research group bringing together clinicians, biomedical scientists and engineers to work on several mobile health related research projects in collaboration with hospitals, research institutes, health tech companies and start-ups.

Roger Lemmens

iMinds Health, BE

Participant in the expert panel and debate

Curriculum vitae
Roger Lemmens received his diploma in Civil Engineering Mathematics from the Technical University of Eindhoven in 1993 and later attained an MBA from the Vlerick Business School.

He developed his career within various different software companies, including Real Dolmen, Pietercil Groep and NMC (Germany). For the past 6 years, Roger held the position of CEO at xperthis, a company that develops software for Belgian hospitals.

As of 1 January 2014, Roger is the director of iMinds Health, the digital center of expertise for the health and care sectors.

His interest in the ICT aspect of the health and care sectors was stoked in 2007 when he took on the role of CEO for the complete restructuring of the former Partezis group, a Flemish membership organization of more than 400 different players in the health and care sectors.

Laurent Hublet

Advisor in charge of Digital Agenda at Belgian Fed. Government - Cabinet of the Deputy Prime Minister Alexander De Croo, BE

Participant in the expert panel and debate

Curriculum vitae

Laurent is responsible for Digital Belgium (the action plan to boost the digital economy) at the cabinet of Deputy Prime Minister Alexander De Croo.

Prior to this, Laurent was a Project Leader at The Boston Consulting Group, where he focused on new business development and operational transformation in B2C sectors (Healthcare, Consumer Goods, Energy, Social Impact). Laurent also worked in Venture Capital in New York. He is a business angel in ~20 e-commerce and marketplace start-ups.

Laurent holds a Master’s Degree in Business Engineering (Solvay) and in Philosophy (ULB), and an MBA from Columbia Business School. He is passionate about innovative and disruptive ideas, and about turning them into a better reality.