



PHEALTH 2013 PROGRAM

WEDNESDAY, 26TH JUNE 2013

15:00 -15.30 **CONFERENCE REGISTRATION, COFFEE**

15:30 - 18.30 **PRE-CONFERENCE EVENT I: EFMI WORKSHOP**

17:00 - 18.30 **PRE-CONFERENCE EVENT II: GAMIFICATION WORKSHOP**

19:00-20.30 **WELCOME RECEPTION AT THE TALLINN CITY HALL (ON INVITATION)**

Welcome address: President of Estonia Mr Toomas Hendrik Ilves and the City of Tallinn

THURSDAY, 27TH JUNE 2013

08:30-09.00 **REGISTRATION**

09:00-11.00 **1: WELCOME AND KEYNOTE SESSION**

Chairs: Peter Pharow, Germany (pHealth 2013 SPC Chair) and Liisa Parv, Estonia (pHealth 2013 LOC Chair)

SPC Chair: Peter Pharow – SPC Welcome Address

Local Chair: Liisa Parv – LOC Welcome Address

Keynote Speech: Andreas LyMBERIS: “Wearable and Micro-Nano Technologies for pHealth: R&D achievements to enable future Innovation”

Keynote Speech: Bernd Blobel: “Translational Medicine Meets New Technologies for Enabling Personalized Care”

11:00-11.30 COFFEE AND DEMO BREAK I (EXHIBITION AREA)

11:30-13.00 **2: PERSPECTIVES ON PERSONALIZED MEDICINE AND HEALTH**

Perspective of European Commission: Willy Van Puymbroeck, Head of Unit of CNECT A4 – Components – “Horizon 2020: Electronic Components and Systems for Competitiveness and Meeting Societal Challenges”

Perspective of Estonian Health Insurance Fund: Tanel Ross “Electronic Health Data – Enablers for Quality Care and Personalized Health”

Perspective of the Industry – Madis Tiik: “Personal Health Records as enablers and patient empowerment and business creation”

Perspective of pHealth Scientist: Mart Saarma: "New Biotechnological Approaches for Neurodegenerative Diseases"

Perspective of the pHealth Consumer: Pekka Ruotsalainen: “Pros and Cons of Personalized Health – The Client’s view”

13:00-13.50 LUNCH

13:50-15.30 **3: ENABLERS FOR PERSONALIZED HEALTH**

Paul Cheshire, U.K.: Virtual Physiological Human and its Role for Advanced pHealth Service Provision

Peter Pharow, Germany: Personal Portable Devices as Enablers for Advanced pHealth Decision Support and Decision Making Services

Javier Diaz Dorronsoro, Spain : Towards Large-Scale Data Analysis: Challenges in the Design of Portable Systems and Use of Cloud Computing

Anne Kärki, Finland: Ethicted - Evaluation Process Model to Improve Personalized ICT Services for Independent Living and Active Ageing- Future Scenario

Bernd Blobel, Germany: Case-Based Reasoning in Intelligent Health Decision Support Systems

15:30-16:00 COFFEE BREAK - EXHIBITION AREA – DEMO CORNER

16:00-17:20 **4: PERSONAL HEALTH DATA MANAGEMENT**

Javier Ramos, Spain: A Wireless Multichannel Bioimpedance Measurement System for Personalized Health Care and Lifestyle

Paul Annus, Estonia: Wearable Data Acquisition System of Multimodal Physiological Signals for Personal Health Care

Juan Luis Carús, Spain: Unsupervised Abnormal Human Behavior Detection Using Acceleration Data

Shahina Begum, Sweden: EEG Sensor Based Classification for Assessing Psychological Stress

17:20-17:40 COFFEE BREAK - EXHIBITION AREA – DEMO CORNER

17:40-18:40 **5: VISUALIZATION AND USER INTERFACES**

Luc Cluitmans, Finland: A MATLAB Toolbox for Classification and Visualization of Heterogeneous Multi-Scale Human Data Using the Disease State Fingerprint Method

Valerie Gay, Australia: Using Sensors and Facial Expression Recognition to Personalise Emotion Learning for Autistic Children

Frederic Ehler, Switzerland: User Acquaintance with Mobile Interfaces

20:00-23.00 CONFERENCE DINNER AT THE ESTONIAN MARITIME MUSEUM

FRIDAY, 28TH JUNE 2013

09:00-11.00 **6: EUROPEAN SUCCESS STORIES**

Sebastian Schostek, Germany: European Research on Wireless Endoscopy - the VECTOR Project

Peter Koltay, Germany: Exploitation and Commercialization within the EU FP7 Project "PASCA"

Tomáš Drajsajtl, Czech Republic: AsTeRICS - a Construction Set for Assistive Technologies

Pilar Sala, Spain: universAAL: Towards the Assisting Technologies Market Breakthrough

Ingrid Svagard, Norway: AAL Technologies Criteria for Successful Uptake - Lessons Learned from Norwegian Pilots

11:00-11.30 COFFEE BREAK - EXHIBITION AREA – DEMO CORNER

11:30-13.10 **7: WEARABLE DEVICES AND SENSOR NETWORK**

Koen van Os, Netherlands: Wearable Textile-Based Phototherapy Systems

Andrei Krivoshei, Estonia: Wearable Non-Invasive and Continuous Central Aortic Pressure Curve and the Augmentation Index Monitoring System

Hanne O. Austad, Norway: Hand-Arm Vibration Exposure Monitoring With Wearable Sensor Module

Evangelia Balanou, Finland: State-of-the-Art of Wearable EEG for Personalised Health Applications

Renzo dal Molin, France: Implantable Medical Devices MRI Safe

13:10-14.00 LUNCH- EXHIBITION AREA – DEMO CORNER

14:00 -15.40 **8: REHABILITATION AND ELDERLY CARE**

Ana Vasconcelos, Portugal: Senior-Driven Design and Development of Tablet-Based Cognitive Games

Konstantinos Boletsis, Norway: Augmented Reality & Gesture-Based Architecture in Games for the Elderly

Küllli Sarna, Estonia: Home Rehabilitation System Supported by the Safety Model

Michele Confalonieri, Italy: Neuro-physical rehabilitation by means of novel touch technologies

Mobyen Uddin Ahmed, Sweden: Physical Activity Classification for Elderly Based on Pulse Rate

15:40-15.50 COFFEE BREAK- EXHIBITION AREA – DEMO CORNER

15.50-16.30 **9: CLOSING CEREMONY**

Chairs: Liisa Parv, Peter Pharow, Andreas Lymberis, Sebastian Schostek, Bernd Blobel Includes: Best Contribution Award
