

PHEALTH 2014 PROGRAM (FINAL)

WEDNESDAY 11 JUNE 2014

13:30 – 14:00 **CONFERENCE REGISTRATION, COFFEE**

SATELLITE-CONFERENCE OF THE AUSTRIAN SCIENTIFIC SOCIETY FOR TELEMEDICINE AND EHEALTH

14:00-15:00 Welcome and Introduction
 M Binder

Computerized Decision Support: From Theory to Concrete Application
 P Huber

15:00-15:15 **COFFEE BREAK**

15:15-16:35 Decision Support Provided by Hospital Information Systems and Medical Apps: Technologies and Regulatory Requirements
 S Sauermann

Contribution from Austrian Federal Ministry for Health

16:35-18:00 **GENERAL ASSEMBLY OF THE AUSTRIAN SCIENTIFIC ASSOCIATION FOR TELEMEDICINE AND EHEALTH**

19:00-20:30 WELCOME RECEPTION AT THE UNIVERSITY OF APPLIED SCIENCES – TECHNIKUM WIEN (ON INVITATION)

WELCOME ADDRESS: AUSTRIAN MINISTRY OF HEALTH

WELCOME ADDRESS: UNIVERSITY OF APPLIED SCIENCES – TECHNIKUM WIEN

WELCOME ADDRESS: PETER PHAROW, ORGANIZER OF THE PHEALTH CONFERENCE SERIES

WELCOME ADDRESS: HL7 AUSTRIA

THURSDAY 12 JUNE 2014

08:30-09:00 REGISTRATION

09:00-11:00 **WELCOME AND KEYNOTE SESSION**

CHAIRS: PETER PHAROW, GERMANY; STEFAN SABUTSCH, AUSTRIA

SPC CHAIR: BERND BLOBEL, GERMANY – SPC WELCOME ADDRESS

LOC CHAIR: STEFAN SAUERMANN, AUSTRIA – LOC WELCOME ADDRESS

KEYNOTE SPEECH: ANDREAS LYMBERIS, EUROPEAN COMMISSION (VIDEO CONFERENCE): “SMART SYSTEMS AND PERSONALIZED HEALTH: THE REAL CHALLENGE OF BRIDGING THE INNOVATION GAP”

KEYNOTE SPEECH: BERND BLOBEL, GERMANY: “POLICY MANAGEMENT STANDARDS ENABLING TRUSTWORTHY PHEALTH”

11:00-11:30 COFFEE AND DEMO BREAK (EXHIBITION AREA)

11:30-12:45 **INTEROPERABLE ICT AND TELEMEDICINE**

CHAIRS: FILIPE SOUSA, PORTUGAL; MATTHIAS FROHNER, AUSTRIA

Conceptual Model Formalization in a Semantic Interoperability Service Framework: Transforming Relational Database Schemas to OWL

C Bravo, C Suarez, C González, DM Lopez, B Blobel (Colombia, Germany)

Representing the Glasgow Coma Scale in IT: proper Specification is required for Assessment ScalesV

W Goossen, F Oemig (Netherlands, Germany)

A Personal Health Record System for Diabetes Care Conforming to the ISO 16527 Interoperability Requirements

JD Ceron, GA Gomez, DM Lopez, C Gonzalez, B Blobel (Colombia, Germany)

12:45-14:00 LUNCH

14:00-15:30 **INTEROPERABLE ICT AND TELEMEDICINE**

CHAIRS: FRANK OEMIG, GERMANY; PHILIPP URBAUER, AUSTRIA

Integration of telehealth and telecare: the implementation model for chronic disease management in Veneto Region

S Mancin, G Centis (Italy)

Towards Automated Biomedical Ontology Harmonization

GA Uribe, DM López, B Blobel (Colombia, Germany)

13 Mobile display of aggregated antibiotic resistance information in hospital settings supported by near field communication

P Meng, K Fehre, A Rappelsberger, KP Adlassnig (Austria)

Poster Short Presentation

Applying Open Source Data Visualization Tools to Standard Based Medical Data

G Kopanitsa, M Taranik (Russia)

Evaluation Study for a Multiuser Oriented Medical Data Visualization Method

G Kopanitsa (Russia)

Embedded Sensor Systems for Health – Providing the Tools in Future Healthcare

M Lindén, M Björkman (Sweden)

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

16:00-17:10 **SOLUTIONS FOR PERSONALIZED CARE**

Chairs: KAMRAN SAYRAFIAN, USA; PHILIPP MENG, AUSTRIA

Systematic Review of Interventions Supported by ICT for the Prevention and Treatment of Occupational Stress

S Narváez, A Tobar, D Lopez (Colombia)

Augmented Reality cube game for cognitive training: an interaction study

C Boletsis, S McCallum (Norway)

Poster Short Presentation

The ELF@Home project: Elderly sELF-care based on sELF-check of health conditions and sELF-fitness at home

JL Carús Candás, S García, R García, J Waterworth (Spain)

Design and Implementation of a Personal Health Record System for Diabetes Mellitus Type 2 Monitoring
JD Ceron, MF Gutiérrez, G Gómez, DM López, RE Alvarez, C Gonzalez, H Sierra-Torres (Colombia)
The impact of a computerized decision aids on mode of delivery (Vaginal delivery or Elective cesarean section),
[IRCT2013111010777N3]
A Aslani, F Tara, I Ghalichi, S Eslami (Iran)
Accuracy in pedometers: Dependent on the technology for measurement?
A Åkerberg, A Söderlund, M Lindén (Sweden)

17:10-18:00 **STUDENTS' POSTER SESSION**

CHAIRS: PEKKA RUOTSALAINEN, FINLAND; MARTIN REICHEL, AUSTRIA

20:00-23:00 **SOCIAL EVENT:** CONFERENCE DINNER IN A WINE TAVERN IN THE BEAUTIFUL HEILIGENSTADT AREA OF VIENNA

FRIDAY 13 JUNE 2014

09:00-09:45 **KEYNOTE SESSION**

CHAIRS: BERND BLOBEL, GERMANY, STEFAN SABUTSCH, AUSTRIA

KEYNOTE SPEECH: GÜNTER SCHREIER, AUSTRIA: "THE INTERNET OF THINGS FOR PERSONALIZED HEALTH"

09:45-10:10 **DATA AND KNOWLEDGE MANAGEMENT AND METHODOLOGIES**

CHAIRS: GIORGIA CENTIS, ITALY; STEFAN SAUERMANN, AUSTRIA

Towards Assisted Moderation in Online Healthcare Social Networks: Improving Trust in YouTube Searches
D Lopez, B Blobel, DE Cañón (Colombia, Germany)

10:10-10:40 COFFEE AND DEMO BREAK (EXHIBITION AREA)

10:40-12:30 **WEARABLE AND IMPLANTABLE DEVICES AND SYSTEMS**
CHAIRS: DIEGO LOPEZ, COLOMBIA; VERONIKA DAVID, AUSTRIA

Reflection/Transmission Study of Two Fabrics with Microwave Properties
T Ödman, M Lindén, C Larsson (Sweden)

Human Activity Classification with Inertial Sensors
J Silva, M Monteiro, F Sousa (Portugal)

Transcutaneous assessment of glomerular filtration rate
S Geraci, Z Herrera-Pérez, J Huang, S Weinfurter, S Neudecker, Y Shulhevich, J Friedemann, J Pill, N Gretz
(Germany)

Inter-BAN Interference Mitigation: A Correlated Equilibrium Perspective
V Marbukh, K Sayrafian, M Barbi, M Alasti (USA)

12:30-13:30 LUNCH

13:30-14:30 **WEARABLE AND IMPLANTABLE DEVICES AND SYSTEMS**
CHAIRS: MARIA LINDÉN, SWEDEN; GÜNTER SCHREIER, AUSTRIA

A Mobile System for the Collection of Clinical Data and EEG Signals by Using the Sana Platform
D Insuasty, RE Cerón Espinosa, D Lopez (Colombia)

A Vital Signs Telemonitoring System – Interoperability Supported by a Personal Health Record System and a Cloud Service
M Gutiérrez, A Cajiao Bravo, JA Hidalgo Paz, J Ceron, D Lopez, A Rendon, V Quintero (Colombia)

Poster Short Presentation

A Wireless Sensor Insole for Collecting Gait Data
C Rusu, J Rösevall, G TALAVERA, J Carrabina, J Garcia, C Carenas, E Reixach, F Breuil, M Torrent, S Burkard, W Colitti
(Sweden, Spain, Germany, Italy)

14:30-15:55 **SECURITY, PRIVACY, SAFETY AND ETHICS**
CHAIRS: SIMON MCCALLUM, NORWAY; ALEXANDER MENSE, AUSTRIA

Trust Information and Privacy Policies – Enablers for pHealth and Ubiquitous Health
P Ruotsalainen, B Blobel (Finland, Germany)

End-to-End Encryption for Personal Telehealth Systems
G Öllerer, A Mense (Austria)

Poster Short Presentation

Personal Health Systems Research – Charting the European Landscape
E Amanatidou, B Heller-Schuh, S Giesecke, I Miles, L Pombo-Juárez, Ö Saritas, D Schartinger, G Schreier
(Austria)

15:55-16:15 **COFFEE BREAK**

16:15-16:45 **CLOSING CEREMONY**

CHAIRS: BERND BLOBEL, GERMANY; PETER PHAROW, GERMANY; ALEXANDER MENSE, AUSTRIA; STEFAN SAUERMANN, AUSTRIA

BEST CONTRIBUTION AWARD

BEST STUDENT'S POSTER AWARD

17:00-22:00 **SOCIAL EVENT:** GUIDED CITY WALK: FOLLOWING BEETHOVEN TO HIS FAVORITE PLACES IN VIENNA, WITH A FINAL FAREWELL VISIT TO A LOCAL BREWERY-TYPE PLACE.
