# PHEALTH 2014 PROGRAM (Prefinal)

**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**
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>19:00-20:30</td>
<td>Welcome Reception at the University of Applied Sciences – Technikum Wien (on invitation)</td>
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<td>Welcome address: Austrian Ministry of Health</td>
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<td>Welcome address: University of Applied Sciences – Technikum Wien</td>
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<td>Welcome address: Peter Pharow, Organizer of the pHealth Conference Series</td>
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<td>Welcome address: HL7 Austria</td>
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**Thursday 12 June 2014**

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Registration</td>
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<tr>
<td>09:00-11:00</td>
<td>Welcome and Keynote session</td>
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<tr>
<td></td>
<td>Chairs: Peter Pharow, Germany; Stefan Sabutsch, Austria</td>
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<td>SPC Chair: Bernd Blobel, Germany – SPC Welcome Address</td>
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<td>LOC Chair: Stefan Sauermann, Austria – LOC Welcome Address</td>
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<td>Keynote Speech: Andreas Lymberis, European Commission (Video Conference): “Smart Systems and Personalized Health: The Real Challenge of Bridging the Innovation Gap”</td>
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<td>Keynote Speech: Bernd Blobel, Germany: “Policy Management Standards Enabling Trustworthy pHealth”</td>
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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)
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: Vladimir Marbukh, 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:** MARIA LINDÉN, SWEDEN; 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: PEKKA RUOTSALAINEN, FINLAND; 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)

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<tr>
<th>14:30-15:55</th>
<th><strong>SECURITY, PRIVACY, SAFETY AND ETHICS</strong></th>
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<tbody>
<tr>
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<td><strong>CHAIRS:</strong> SYED SIBTE RAZA ABIDI, CANADA; ALEXANDER MENSE, AUSTRIA</td>
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|             | 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.