First IEEE PerCom Workshop on Pervasive Healthcare

TECHNICAL PROGRAM

8:45 – 9:00 Welcome to PerHealth2010

9:00 – 10:00 Keynote Speech
Activity Recognition in Health Related Applications
Paul Lukowicz, University of Passau, Germany

10:00 – 10:30 Coffee Break

10:30 – 12:00 Session 1: Automated Activity Sensing and Detection
Session Chair: **Giovanni Pioggia, IFC Institute - CNR, Italy**

iFall - a New Embedded System for the Detection of Unexpected Falls
Ralf Salomon, Marian Lüder, Gerald Bieber

PerFallD: A Pervasive Fall Detection System Using Mobile Phones
Jiangpeng Dai, Xiaole Bai, Zhimin Yang, Zhaohui Shen, Dong Xuan

Towards Wearable Sensing Based Assessment of Fluid Intake
Oliver Amft, David Bannach, Gerald Pirkl, Matthias Kreil, Paul Lukowicz

12:00 – 13:30 Lunch Break

13:30 – 15:00 Session 2: Dynamic Information Management and Healthcare
Session Chair: **Franca Delmastro, IIT Institute - CNR, Italy**

Estimating personal energy expenditure with location data
Simon Hay, Alastair R. Beresford

Studying the Utility of Tracking Systems in Improving Healthcare Workflow
Eiman Elnahrawy, Richard Martin

Teleo-Reactive Workflows for Pervasive Healthcare
Srdjan Marinovic, Kevin Twidle. Naranker Dulay

15:00 – 15:30 Coffee Break

15:30 – 17:30 Session 3: Programming Models and Middleware Solutions
Session Chair: **Richard Martin, Rutgers University, USA**

Efficient and Context-Aware Access Control for Pervasive Medical Sensor Networks
Oscar Garcia Morchon, Klaus Wehrle

Adaptive Prompting based on Petri Net in a Smart Medication System
Lei Tang, Xingshe Zhou, Zhiwen Yu, Daqing Zhang, Hongbo Ni

Towards End User Programming for Mobile Healthcare Services by Event Driven Mashup
Jia Jia Wen, Zhiguo Gao, Bo Yang, Ju Wei Shi, Liang Liang Dong, Yuan Bo Qin

HIP: Health Integration Platform
Jonathan Woodbridge, Hyduke Noshadi, Ani Nahapetian, Majid Sarrafzade

17:30 – 18:00 Wrap-up and Discussions

Organizing Committee

General Chairs

Franca Delmastro, IIT-CNR, Italy
Archan Misra, TelCordia, USA

Technical Program Committee

Bert Anrich, ETH Zurich, Switzerland
Silvio Bonfiglio, Philips, Italy
Bor-rong Chen, Harvard University, USA
Diane Cook, Washington State University, USA
Dave Famolari, Telcordia Technologies
Rune Fensli, University of Adger, Norway
Otthein Herzog, University of Bremen, Germany
David Isern, Universitat Rovira i Virgili, Spain
Paul Lukowicz, University of Passau, Germany
Iqbal Mohomed, Microsoft Research, USA
Giovanni Pioggia, IFC-CNR, Italy
Alessandro Puiatti, SUPSI, Switzerland
Weisong Shi, Wayne State University, USA
Daby SOw, IBM Watson, USA
Upkar Varshney, Georgia State University USA
David Walker, Philips, UK

Publicity Chair

Eleonora Borgia, IIT-CNR, Italy

Sponsored by:

IEEE

In conjunction with:

2010 PerCom