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, Zhaoxu 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
Eman Elahrawy, 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 Mochon, 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