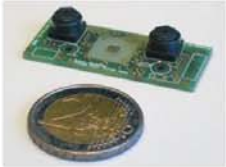


Research Projects

<http://www.wearable.ethz.ch>

Wearable Hardware

Develop miniature, wearable devices capable of context recognition



Finger Mouse



Sensor Button

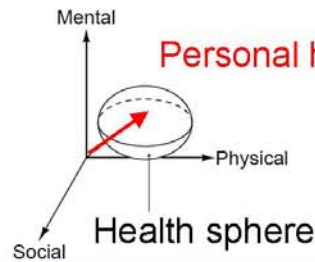


QBIC

Life Style Management

Support

- Physical, mental and social well-being
- Health-friendly life style
- Prevention instead of treatment



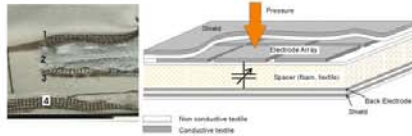
Goal: Keep personal health vector within health sphere

Smart Textiles

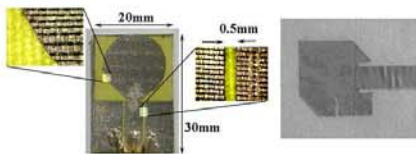
Stretch sensors



Pressure sensors (capacitive)



Textile antennas (patent pending)



Personal Health Care



EU-Project MyHeart

Wearable detection of nutrition events and food category to prevent cardio-vascular diseases



EU-Project Daphnet

Development of a modular wearable health monitoring system that merges physiological with contextual data



Applications for Smart Textiles

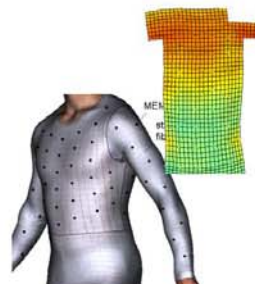
Wheelchairs

Prevent pressure sores by pressure sensors



Backtrainer

Improve posture and avoid back-pain by stretch sensors



Context recognition



EU-Project wearIT@work

Activity recognition and worker support in industrial environment

EU-Project eSense

Gather ambient intelligence through sensor networks



EU-Project SEAT

Enhance passenger's comfort in airplanes