

Sensor Infrastructure

Integrated Real-Time Situation Model

Applications

GPS

IMU

Heart Rate

EDA, EMG

Camera

SensFloor



Physical

Location Posture Kinematics

Mental

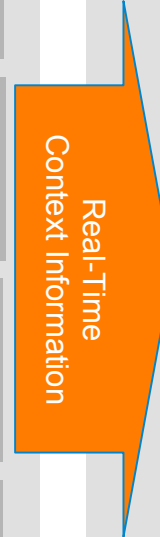
Perceptual Cognitive Emotional

Physiological

Cardiovascular Metabolical Neurological

Behavioral

Actions Plans Intentions



Smart
Orthotics

SmartHome
Assistant

Rehab
Trainer



Sensor



SmartPhone



(Home) Server



BackEnd / „Cloud“

Distributed Computation Environment