

Smart Home Sleep Care Service

Technology Overview

- Smart Home Sleep Care Service seeks to monitor users' life style and sleep pattern based on home context framework. According to sleep pattern, home care services such as smart wakeup alarm, sleep management, apnea detection, etc can be available.
- System is working on cloud web service architecture. In order to achieve more complex decision, we support ASP (Answer Set Programming) Logic script. It allows us to apply our template for developing new application easily.

Core Technologies

- Easy Installation / Remote Monitoring / Configuration
- Sleep Monitoring Device
- Home Context Management Framework
- Mining / Reasoning Components

Application Area and Advantages

- Sleep Pattern Analyzing, Quality of Sleep Management
- Sleep apnea detection, Symptom Tracking
- Remote Appliance Monitoring / Home Security

Accomplishments

- IPR, paper (sci), accomplishment of technology transfer
- ISO 17811 standard, called DCM (Device Control & Management)
- Preferred partnership (technology transfer, technology licensing)

