Abstract

Personalized Health Assistants have gained popularity over the last few years. Such technologies allow users to monitor their health information in real time and often integrate with their smart devices, especially smart phones. Augmented Quick Health (AQH) is such an intelligent health monitoring system, which uses multiple sensors to read heartbeat, body temperature and sweat rate information. The sensor readings are used together to determine the health condition of a subject. With the resulting output, it interacts with a smart device and data is pushed in to a robust cloud-based infrastructure via the device (e.g. smartphone). The system is designed to be extensible and flexible, so adding new sensors and/or use-cases is straightforward. While there are other personalized health monitoring systems, AQH incorporates location based search, presented using augmented reality, which has proven to be an effective tool in emergency situations.


Keywords

Wearable Device, Real time health monitoring, Augmented Reality, Cloud Server, Rest Application, Augmented Quick Health (AQH)