Opportunity and Significance

Infants and elderly can benefit from wearable real time health monitoring and communication to care givers.

Technical Objectives

1. A wearable device that can host different health monitoring sensors.
2. Wireless communication to a caregiver’s cellphone.
3. An App to convert the data to actionable information
4. Work with Physicians and Medical Scientists to define specific applications, sensors and logics

Related Work and State of Practice

- There are wearable devices that provide health related data but they do not have the app or the logic to produce actionable intelligence.
- The platforms need to integrate other sensors for specific needs.

Technical Accomplishments and Results

The system has been developed and tested in a health care environment.

Next Steps for Development and Test

Work with Physicians and Medical Scientists to define high value applications to integrate the relevant sensors and to specify the processing logic and to test the system in a health care environment.

Commercialization Partners

- WSU Health Connect initiative
- Physicians : Patrick Hines, CEO of Functional Fluids, WSU faculty member, TechTown
- Chris Gibbons, CEO of the Greystone Group, Johns Hopkins faculty member
- Jonathan Knoche, Pediatrician in MSU hospital
- Paul Thomas, CEO of Plum Health

Team

- Emily Baughman, Johns Hopkins, Public Health
- Mojgan Mehrabi, WSU Engineering Technology Department
- Brandon Wong, Electrical & Computer Engineering Department
- Kamaljit Chahal, Electrical & Computer Engineering Department
- Dr. Gary Witus, Advisor
- Dr. Gerald Roston, Commercialization Mentor