

Sensors and Virtual sensors for Healthfestyles

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We are creating a world where objects with computers in them can recognize our feelings, and actions, to simplify how we work. Context aware systems can recognize human intentions making capabilities available as needed and reducing interruptions and disruption when they aren't. Ted Selker's Context aware computing group, his intelligent kitchen work and his Industrial Design Intelligence program all endeavor to show new ways design can take human needs and abilities into account. Ted Selker's research examples will show how everything from beds to kitchens, to the way we acquire things can be changed to be more appropriate as we work to improve our lives without complicating them further. This talk will describe several health oriented systems that demonstrate new ways of using sensors and intelligence to promote health. We will go from the kitchen to the bar to the playground to show that context can be recognized and improve our ability to promote health. Any Sign of Life is a wearable system for tracking biological functions that supports games that improve peoples health. Smart Sink uses a camera to reduce danger and promote hand washing. A digital cigarette will show how to digitally many of the supports actual cigarettes are used to provide people.