



# GSIS Seminar

Date : July 7 (Thursday), 2011 15:00 ~ 16:30

Place : The middle of lecture room, 2F,

Research Building of Information Science, Tohoku University

6-3-09 Aza-Aoba, Aramaki, Aoba-ku, Sendai 980-8579

Sponsored by : Advanced Information Sharing Technology KDDI endowed)

Applied Information Science,

Graduate School of Information Science

Co-sponsored by : Global COE Program

“Center of Education and Research for Information Electronics Systems”

Participation Fee : Free (Note: Pre-registration is not required.)

Lecture : Dr. Ted Selker (Associate Director, Mobility Research

Carnegie Mellon University at Silicon Valley.)

Title :

**Sensors and Virtual Sensors for Healthful Lifestyles**

## Abstract

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. My Media Lab Context aware computing group, my intelligent kitchen work and, Industrial Design Intelligence program all endeavored to show new ways design can take human needs and abilities into account. The 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 people's 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.