# VirginiaTech
### VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

## Computer Science Seminar Series, 2012
### National Capital Region

## Sensing and Feedback of Everyday Activities to Promote Proenvironmental Behaviors

### Speaker: Prof. Jon Froehlich
#### University of Maryland

### Friday, February 17, 2012
### 1:00PM- 2:00PM, NVC 325

## Abstract

There is often a profound disconnect between our everyday behaviors and the effects those behaviors have on our health and the environment around us. My research focuses on the role of technology in bridging this disconnect—in particular, how technology can be used to effectively sense and visualize information about our own behaviors to promote awareness and enable positive behavior change. In this talk, I will provide an overview of my recently completed dissertation work on sensing and feedback systems for environmental behaviors with a particular focus on residential water consumption and personal transportation. I will also discuss avenues of future work including applications of in-home sensing technology beyond sustainability, methods to evaluate visualizations in-situ without a fully operable sensing system, and the growing importance of open sensing data to progress scientific research.

## Biography



Jon Froehlich is a (brand new) Assistant Professor in the Department of Computer Science at the University of Maryland, College Park where he is a member of the Human-Computer Interaction Laboratory (HCIL). Jon's research focuses on building and studying interactive technology that addresses high value social issues such as environmental sustainability, computer accessibility, and personal health. Jon received his PhD in CS from the University of Washington in 2011. For his doctoral research, Jon was honored with the Microsoft Research Graduate Fellowship (2008-2010) and the College of Engineering Graduate Researcher Innovator of the Year Award (2010). His work has been published in many top-tier academic venues including CHI, UbiComp, IJCAI, MobiSys and ICSE and has been recognized with a best paper award and a best paper nomination.