

**Tuesday, October 2, 2012**  
**12:00 - 12:50 p.m., Room T-747**

**Richard Anderson, PhD**

Professor

Department of Computer Science & Engineering  
University of Washington, Seattle

**“The Mobile Wellness Toolkit Project”**

In this talk, I will give an overview of work underway in the Mobile Wellness Toolkit project, a National Science Foundation funded project involving University of Washington and PATH that is looking at how a mix of consumer technologies can be used to support low cost health services. Innovation in public health is often bottom up: new processes and technologies are often identified by grassroots and non-governmental organizations and deployed locally before achieving broader use. Mobile technologies have a vast potential to strengthen health systems for under-served populations, but innovation is hindered by the difficulty and expertise required to create robust and deployable solutions. We propose to change this state of affairs by providing a set of tools based on commonly available mobile devices that will permit these organizations to easily deploy new health services, supervise their delivery, improve logistics, evaluate their programs' effectiveness, and disseminate their learning and tools to others around the world. Specific projects that will be presented include ODK Tables to support mobile use of simple databases, Digital Public Health to support community created video messaging, an encouragement system for community health workers, and FoneAstra for remote monitoring of sensors.

---

Richard Anderson is a Professor of Computer Science and Engineering at the University of Washington. He graduated with a B.A. in Mathematics from Reed College in 1981, and a Ph.D. in Computer Science from Stanford University in 1985. In 1986 he joined the University of Washington after a one-year Postdoc at the Mathematical Science Research Institute in Berkeley, CA. He has held visiting positions with the Indian Institute of Science in Bangalore, India and with the Learning Sciences and Technology group at Microsoft Research. For the last three years he has been collaborating with PATH, a Seattle based public health NGO, applying computing technology to a range of problems in global health.