



Northeastern University

Special Seminar

Sponsored by NUCare – Northeastern University Center for Self Care & Health, the Personal Health Informatics PhD Program, and the Boston Roybal Center for Translational Research on Aging*



Charles Consel, PhD

Professor, Computer Science, University of Bordeaux, Talence, France

*Verification of the Daily Activities of Older Adults:
A Simple, Non-Intrusive, Low-Cost Approach*

Monday, October 27, 2014

3:00-4:00 pm

Room 366 West Village H

Charles Consel is a professor of Computer Science at University of Bordeaux.

He served on the faculty of Yale University, Oregon Graduate Institute and the University of Rennes. His research contributions cover programming languages, software engineering, operating systems, pervasive computing, & assisted living.

This talk will present an approach to verifying the activities of daily living of elders at their home. We verify activities, instead of inferring them, because our monitoring approach is driven by routines, initially sketched by users in their environment. Monitoring is supported by a lightweight sensor infrastructure, comprising non-intrusive, low-cost, wireless devices. Verification is performed by applying a simple formula to sensor log data, for each activity of interest.

*(Brandeis University, Northeastern University, Boston College, Boston University, and Harvard Medical School/Hebrew SeniorLife)