AN OVERVIEW OF WEARABLE HEALTH: APPLICATIONS, REQUIREMENTS AND CHALLENGES

presented by

Vivian Motti
Clemson University

Abstract:
The integration of wearable devices with mobile applications has a promising potential for healthcare in general, and for behavior change in particular. While wearables collect users’ data and quantify information about their daily lives, mobile applications aid them to analyze and visualize the information collected, to raise their awareness and to encourage behavior changes. Several applications have been proven successful within this research context, for instance to promote healthier eating habits and the incorporation of physical activities in users’ daily habits. Despite promising, the development of wearable solutions for healthcare still encompasses significant challenges; not only the devices must be comfortable and easy to use, but also their underlying strategies must be carefully designed to ensure users’ acceptance, adoption and sustained engagement. In this talks I will present and discuss the opportunities, challenges and requirements of wearable applications dedicated to promote healthcare and behavior changes particularly.

Bio:
Vivian Genaro Motti is a Research Assistant Professor in the HCC division at the School of Computing in Clemson. Her research interests include user-centered design, human factors and privacy aspects of wearable computing for healthcare applications. She earned a Bachelor degree in Biomedical Informatics and a Masters degree in Human Computer Interaction from University of Sào Paulo (Brazil), and a Ph.D. degree in Computer Science from the Catholic University of Louvain (Belgium).