GHC 2004 Presentation Proposal

Title
Ubiquitous Computing for Proactive Health

Objectives
The objective of this presentation is to provide an overview of the proactive health project, and to describe opportunities and challenges associated with designing ubiquitous computing applications for proactive health, specifically in the domain of elder care.

Attendance
There are no restrictions on attendance.

Format
Presentation

Topics Covered
- Overview of Intel's Proactive Health project
- Design and implementation of sensor technologies to assess social and personal health
- Intel-Stanford student project to develop functional prototypes for the Proactive Health project

Proposed Session Length
60-90 minutes

Written Materials
No

Competing Points of View
Not applicable

What knowledge can attendees expect to gain?
See abstract

What are the number, names and affiliation of the speakers?
2 speakers
Margaret Morris, Intel Corporation
Monique Lambert, Intel Corporation

Speaker Biographies
Margaret (Margie) Morris is a Senior Researcher in Intel's Proactive Health Research group. Working with an interdisciplinary team of social scientists, engineers and designers, she identifies health related needs, conceptualizes ubiquitous computing

solutions, and designs outcome studies. Margie is a clinical psychologist with expertise in the study of health outcomes and person-environment relationships. In her health research, she has evaluated the effect of numerous psychological and medical interventions. She has also examined changes in self-concepts as a function of age and illness, and developed a novel assessment technique using network modeling. In her person-environment research, Margie has studied the ways people respond to and shape the physical environment, broadly defined to include ecology, architecture and technology. Her dissertation examined the effect of sunlight on feelings of physical comfort and social connectedness. She has also studied personality expression in professional and personal environments and behavioral adaptation to workspaces. Prior to joining Intel, Margie worked in Sapient's User Experience group, where her research focused on technology adoption. Margie completed her PhD in Clinical Psychology with a minor in Behavioral Neuroscience at the University of New Mexico, her APA clinical internship at the San Francisco VA Medical Center, and her postdoctoral fellowship at Stanford University. She has a BA in English from Haverford College.

Monique Lambert is a Senior Research Scientist in Intel's Technology Manufacturing Engineering (TME) group. Her current research includes studies of Intel's high-volume assembly test manufacturing and warehousing/distribution operations for RFID-enabled supply chain management, and human-centered design research on ubiquitous/proactive computing applications for proactive health and consumer markets. Prior to her current role, Monique worked as an Advanced Process Technology Researcher for Intel's Components Research group where she conducted research on high-density interconnect packaging, high-density plasma etching and advanced lithography techniques. Monique has a B.S. in Metallurgical Engineering from the University of Illinois, a M.S. in Materials Science and Engineering from the University of Washington, and is currently completing a Ph.D. in Engineering Management at Stanford University. Monique's doctoral dissertation, based on an ethnographic study of "real-time" Mars mission design at the Jet Propulsion Lab, examines the operation of individual and collective memory in cross-functional engineering design.