Music Monitor: Dynamic Data Display

Quan T. Tran, Elizabeth Mynatt
.
Everyday Computing Lab, GVU
College of Computing
Georgia Institute of Technology
Atlanta, GA, 30332 USA
+1 404 385 1102
{quantt,mynatt}@cc.gatech.edu

Keywords
Ambient, peripheral, musical data display

ABSTRACT
In this demo, we present an interface prototype of Music Monitor, an application targeted for home use that dynamically conducts music in real-time to reflect parallel activities in disparate locations (e.g., preparing food in the kitchen while entertaining guests in the living room) to help the user balance attention appropriately between them. Music Monitor interprets salient information from the monitored activities to map into simple music profiles (e.g., instrument selection, tempo). The prototype design focuses on providing continuous, ambient music as a peripheral auditory data display for the primary user without sacrificing aesthetic musical value for other participants and listeners.