Biomedical and Health Informatics Lecture Series
Course Website: **Link**

Tuesday, January 24, 2012
12:00 - 12:50 p.m., Room T-360

Dan Morris, Ph.D.
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"Patient-Friendly Medical Information Displays"

Although extensive information is available in a modern electronic medical record (EMR), this information is not structured to be "patient-friendly": the terminology, user interface, and access mechanisms provided by EMRs are primarily targeted at clinicians and administrators. This work explores mechanisms for building patient-friendly displays – particularly for hospital-room screens and for mobile phones – from EMR data. Our work has spanned preliminary user research, UI design, and computational methods; our long-term goal is to give patients meaningful access to information *without* creating additional burden for providers.

Dan Morris is a researcher in the Computational User Experiences group at Microsoft Research. His current work focuses on novel input devices, patient-facing technology for medical environments, and computer support for music and creativity. Dan studied neurobiology as an undergraduate at Brown, and developed brain-computer interfaces for both research and clinical environments. His PhD thesis at Stanford focused on haptic rendering and physical simulation for virtual surgery. His work since coming to Microsoft Research in 2006 has included using physiological signals for input systems, making medical information more useful to hospital patients, and generating automatic accompaniment for sung melodies.

Link to Project website: http://research.microsoft.com/cue/patientdisplays
Link to Dan's website: http://research.microsoft.com/users/dan

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NOTE: Podcasts from MEBI 590 Lecture Series talks for this quarter are available at
http://courses.washington.edu/mebi590/schedule.htm

Podcasts from previous quarters are available at
http://courses.washington.edu/mebi590/past.lecture.schedules.html