

Graduate Fellowship in Computer Science

with a focus on Universal Access, Design for All, Distributed Cognition, Human-Computer Interaction

The Coleman Institute for Cognitive Disabilities at the University of Colorado (supported by a major endowment by Claudia and Bill Coleman) pursues a mission to catalyze and integrate advances in science, engineering and technology to promote the quality of life and independent living of people with cognitive disabilities.



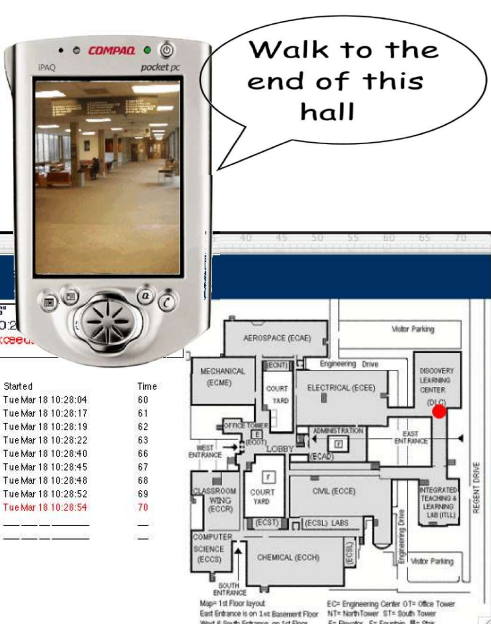
The Coleman Institute's Goals are to: empower the independence, self-determination, and productivity of individuals with cognitive disabilities, strengthen the national and international voice in support of persons with cognitive disabilities, and develop and support a community of researchers, clinicians, and public policy experts working in the cognitive disability field.

The Center for Lifelong Learning and Design has a major grant supported by the Coleman Institute titled Cognitive Levers: Helping People Help Themselves. We engage in cross-disciplinary research that blends computer, cognitive and social sciences. Research topics include distributed cognition, situated action, new human-computer interaction paradigms.

Web2Gether: Social Network Support



MAPS: Memory Aiding Prompting System



Lifeline: Active Distributed Support System

Step Name	Started	Time
"malls guide from engrto13d"	Tue Mar 18 10:28:04	60
"turn around and walk to end of hall"	Tue Mar 18 10:28:17	61
"turn right here"	Tue Mar 18 10:28:19	62
"proceed to the right"	Tue Mar 18 10:28:22	63
"go down the hall to the left"	Tue Mar 18 10:28:40	66
"walk down the hall to end"	Tue Mar 18 10:28:45	67
"turn left here"	Tue Mar 18 10:28:48	68
"go down to the end of hall"	Tue Mar 18 10:28:52	69
"you are in the DLIC"	Tue Mar 18 10:28:54	70
"take immediate right and immediate left"		
"you have arrived at the 13d lab"		

Mobility for All: Human-Centered Public Transportation

The Cognitive Lever (CLever) research team, which was founded in 1999, has taken a systemic approach to address the problems experienced by people with cognitive disabilities and their support community. Our prototypes cover areas such as:

- support for social network building and expertise sharing among teachers,
- cognitive aids that help people with limited memory and reasoning abilities to travel, work, and socialize, and
- caregiver tools for planning, monitoring and supporting clients once they are engaged in community activities.

We are developing context-aware mobile applications using ubiquitous sensor technologies. We are now beginning to pursue new projects that explore "smart" home and work environments.

Application deadline for new doctoral students entering in the Fall 2004 Semester: March 15, 2004 (or until position is filled)

Candidates who are exceptionally qualified and motivated to engage in this research effort are encouraged to contact us: clever-fellowship@cs.colorado.edu

For more information on the CLever Project: www.cs.colorado.edu/~l3d/clever

