



RERC on Accessible Public Transportation

Overview

Robotics Institute

School of Computer Science
Carnegie Mellon
5000 Forbes Avenue
Pittsburgh PA 15213-3890

IDeA Center

School of Architecture and Planning
University at Buffalo
The State University of New York
Buffalo, NY 14214-3087

Improving the System Using IT

- **R1:** Citizen science (rider-agency feedback loop); Evaluate evidence collection and report authoring; Community-wide field test
- **DV1:** Implement and deploy citizen science website; Mobile, tailored, real-time information gathering and access



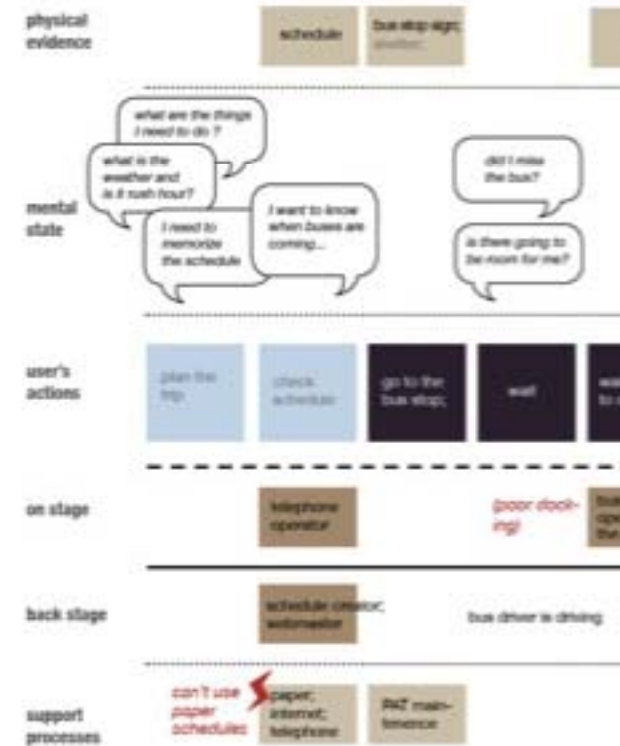
Improving Vehicle Design

- **R2:** Ramp slope; Space requirements; Systematic review
- **DV2:** CAD Tools; New designs; Demonstration bus



Training

- **T1: Fellowship Program**
- **T2: Online Education**
- **T3: R&D Experience for Students**
 - Information Needs (Carnegie Mellon)
 - HCII class projects
 - Ethnography course for technology disciplines
 - Bus Shelters for Cold Weather Climates (Buffalo)
 - Collaboration with Grimshaw Architects regarding bus shelter design project underway



Dissemination

- **D1: Online Information Clearinghouse**
 - Tailored to the needs of each stakeholder group: professional, academic, or public
 - Stakeholder requests specially packaged data for use in non-R&D applications (e.g., WHO/WB report)
- **D2: Conferences and Symposia**
 - SOS Conference (FICCDAT 2011, Toronto): *The Next Generation of Accessible Transit Systems*
- **D3: Standards and Regulations**
 - United Spinal Association
- **Additional activities**
 - Collaboration with Easter Seals Project Action (ESPA) on national material dissemination
 - Technical assistance for transportation infrastructure projects



Thank You



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