GENERATING AND RECOGNIZING USER INTERFACES

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Improving the Performance of Motor-Impaired Users with Automatically Generated, Ability Based Interfaces

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Video

http://www.youtube.com/watch?v=FxDOlhysFcM
Discussion

- Extend to other types of impairments?
- Extend to ALL users?
- Aesthetics vs Accessibility? Would you trade efficiency for good looking UIs?
Sikuli: Using GUI Screenshots for Search and Automation

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Sikuli: Search using Screenshots

- Which situations would you find searching using screenshots useful?

- Any improvements you can think of for the screenshot search?
Sikuli: Visual Scripting

SHORT DEMO
Discussion

- Use Cases
  - Quickly create macros
  - Testing / QA

- Corporate uses
  (from sikuli.org)
Sikuli for GUI testing

- Follow up paper: GUI Testing Using Computer Vision, CHI 2010 (PDF).
Discussion

- Improvement suggestions
- Any other ideas?