CTHCl Lab 1
Paper Reading and Identifying Contribution Types

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Do I need to know what problems that GPS creates while driving?

- No.

Required reading: Examinable, must be read by everyone

Recommended reading: Not examinable

Other example papers: Not examinable

- Examples to illustrate the concepts explained in the class.
HCI Research: Approaches and Contributions

Approaches
- Test
- Look
- Make

Seven Research Contribution types
- Empirical
- Artifact
- Methodological
- Theoretical
- Dataset
- Survey
- Opinion

In-class exercise
Research Example: CommandMaps

• Scarr et al., Best paper CHI ’12

• Improve toolbar (specifically Microsoft’s Ribbon interface)

• In-class exercise:
  • Contributions?
  • Benefits?
  • Which part uses empirical science, ethnography, and engineering/design approach?
Improving Command Selection with CommandMaps

Joey Scarr†, Andy Cockburn†, Carl Gutwin‡, Andrea Bunt*
†Computer Science, University of Canterbury, New Zealand
‡Computer Science, University of Saskatchewan, Canada
*Computer Science, University of Manitoba, Canada
CommandMaps

• Contributions & Benefits:
  • “Introduces CommandMap interfaces for mouse-based command invocation. Theoretically and empirically demonstrates that their defining properties — spatially stable command locations and a flat command hierarchy — improve user performance.”

[Scarr et al., CHI ’12]
In-Class Exercise:
Practice Skimming and Classifying papers

Seven Research Contribution types
- Empirical
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Approaches
- Test
- Look
- Make

Practice your skill!
In-class: use the handouts
At home: visit http://chi2015.acm.org/program/
Retrieving and Searching for Papers

- **Google Scholar:** Entry point, alerts, citation search, finding the full version for free

- **ACM Digital Library:** The main archive, video materials, comprehensive search by author
  - **CHI:** [http://dl.acm.org/event.cfm?id=RE151&tab=pubs](http://dl.acm.org/event.cfm?id=RE151&tab=pubs)
  - **UIST:** [http://dl.acm.org/event.cfm?id=RE172&tab=pubs](http://dl.acm.org/event.cfm?id=RE172&tab=pubs)
  - **MobileHCI:** [http://dl.acm.org/event.cfm?id=RE395&tab=pubs](http://dl.acm.org/event.cfm?id=RE395&tab=pubs)

- **Elsevier authentication**
  - **IJHCS:** [http://www.journals.elsevier.com/international-journal-of-human-computer-studies/recent-articles/](http://www.journals.elsevier.com/international-journal-of-human-computer-studies/recent-articles/)

- **Citeology:** Citation visualization (1982–2010)

Important resources for all your assignments
CITECTOLOGY