CTHCI Lab 1
Paper Reading and Identifying Contribution Types

Nur Al-huda Hamdan
Media Computing Group
RWTH Aachen University
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http://hci.rwth-aachen.de/cthci
Literature in this Class

• 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

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

Important resources for all your assignments
CITÉOLOGY