CS4490z Library Session

October 2015

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Taylor Library
Agenda

- Library website
- Finding information sources
- Search strategy
- Literature review
- Avoiding plagiarism
- Help contacts
Western Libraries Website

• Getting Started section
• Computer Science Research Guide & CS4490z course guide
• InterLibrary Loan (RACER)
• Databases
Information Sources

• Scholarly journals
• Books, Handbooks, and Encyclopedias
• Trade magazines/literature
• Websites
• Standards
• Patents
## Information Sources

<table>
<thead>
<tr>
<th>Journals</th>
<th>Books/Handbooks</th>
<th>Trade Literature</th>
<th>Websites</th>
<th>Standards</th>
<th>Patents</th>
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</table>
| • Academic Research  
• Peer reviewed  
• Narrowly focused topics  | • Basic or introductory information  
• More reliable & in-depth than websites  | • Industry news  
• Not peer reviewed  
• Insights of practicing engineers  
• Practical information  | • Background information  
• Companies  
• Products  | • “Standard” ways  
• Design codes  
• Guidelines  
• Procedures  | • Grant of exclusive right  
• Technical information rarely available elsewhere  |
Finding Journal Articles

• Subject-specific databases
  – IEEE Xplore
  – ACM Digital Library

• Multidisciplinary databases
  – Web of Science
  – Scopus
  – Google Scholar (via the library Database listing page)

• InterLibrary Loans (RACER)
Finding Journal Articles

• Demo in IEEE Xplore
• Demo in ACM Digital Library
Finding Books

• Use the Library Catalogue
  – Keyword search
  – Subject search
  – Title search
eBooks

- **Safari Tech Books**
  - Title search “Safari Tech Books” in library catalogue
  - Electronic books or handbooks in software engineering, computer science, etc.

- **Springer eBooks**
  - Title search “SpringerLink” in library catalogue
  - Browse by discipline or do a search
Finding News Articles and Industry Info

- **Canadian Newsstand**: new articles
- **CBCA Business**: industry & trade literature
- **ABI/INFORM Trade & Industry**: industry & trade literature
- Demo in ProQuest interface
Finding Patents

- esp@cenet
- Canadian Intellectual Property Office
- US Patent and Trademark Office (USPTO)
- **Scopus** contains patent information
- “Finding Patents” [guide](#) via the CS Research Guide
Finding Standards

• NOT all in the library catalogue
• Current IEEE Standards available online via IEEE Xplore
• “Finding Standards” guide
Search Strategy

• Break down your topic into concepts
• Identify keywords for each concept
• Use asterisk (*) or quotation marks (" ") if necessary
• Use Boolean operators (AND, OR)
  – AND is demANDing
  – OR gets you mORE
Search Strategy

• Apply search limits
• Analyse your search results
• Modify your search
• Refine your results
Search Strategy Practice

Research Question:
*The use of visual recognition techniques in human computer interaction application.*

- Demo in ACM Digital Library
- Take-home exercise: Search Strategy Worksheet
human computer interaction OR HCI

AND

visual recognition techniques OR visual interpretation methods
HCI

visual recognition techniques
Literature Review

• Analysis and critical evaluation of research previously done on your topic
• Helps you:
  • learn about past research done on your topic
  • identify any gap in the research so you can contribute something original
  • justify your project and set the context for your topic
Literature Review

- Define a topic and do a literature search
- Read and analyze
- Write your review
- Organize this section by theme, not by article/book (not just a summary of each article/book)

Literature Review Examples
Avoiding Plagiarism

• Cite sources properly
• Help other researchers find papers
• Give credit where credit is due
Avoiding Plagiarism

• Refer to Western’s Policy on Scholastic Discipline for Undergraduate Students

• Style Guides via Citing and Writing on the library homepage

• Plagiarism page via Citing and Writing
Need Help?
Email, Phone, In-person, Chat

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<th>Qin Qin Zhang</th>
<th>Taylor Research Help</th>
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<tr>
<td><a href="mailto:qinqin.zhang@uwo.ca">qinqin.zhang@uwo.ca</a></td>
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<tr>
<td>(X86217)</td>
<td>519-661-3167</td>
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“Ask a Librarian” Chat Reference Service