Capstone Project

Andrea Hall
Liaison Librarian - CCET
Educational Resources
andrea.hall@georgebrown.ca
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### Journals

#### Trade versus Academic

<table>
<thead>
<tr>
<th>Trade Journals</th>
<th>Academic/Scholarly Journals</th>
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<tr>
<td>written for/by professionals in the field.</td>
<td>written by experts in the field</td>
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<tr>
<td>focuses on particular industry or group of industries.</td>
<td>published by academic institutions</td>
</tr>
<tr>
<td>includes industry trends, products, techniques, news, updates.</td>
<td>contain references and citations</td>
</tr>
<tr>
<td>NOTE: may promote an editorial viewpoint.</td>
<td>often report research findings</td>
</tr>
<tr>
<td></td>
<td>often “peer-reviewed”</td>
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<td></td>
<td>often multiple authors</td>
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<td></td>
<td>also referred to as: scholarly</td>
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Identifying Databases

- **Wilson Applied Science**
  - Covers many construction/engineering journals
- **Science Direct**
  - Covers a wide range of science journals
  - Strong on construction engineering/Sustainable construction
- **Academic Search Premier**
  - General arts and science database
  - Construction trade journal coverage
  - Environmental journals and magazines
- **Business Source Complete**
  - Good trade journal coverage for construction
  - Management journals are well covered
- **CBCA Complete**
  - Canadian Coverage (newspapers, trade magazines, journals)
  - Daily Commercial News
- **Canadian Electronic Library**
  - Public policy reports
- **LEXIS**
  - Canadian Case Law
  - Legal Journals
  - Regulatory Bodies (e.g., TARION, WSIB, OMB)

Covered in Search Everything

Essential for Canadian/Ontario centred topics
Sample Topic: The cost benefits of Building Information Modeling

- Identify key concepts
  - Building information modeling
  - Cost benefits
- Identify “like concepts”
  - Building Information Modeling or BIM
  - Cost benefit or cost analysis or “return on investment” or roi
- Look at words you want to truncate *
  - Effect* (effective or effectiveness)
- Combine key concepts AND – all these words (implied in most databases)
- Combine like concepts with OR and ()
- Use “ “ for phrases (“return on investment”)
- Decide where you want to look (limit to ABSTRACT, SUBJECT HEADINGS)
- (bim or “building information modeling”) and (“return on investment” or roi or cost analysis or cost benefit* or cost effect*)
Searching Keywords

Sample Topic: Risk allocation in Public-Private Partnerships for infrastructure projects.

Once you have identified key concepts........

- Be willing to play around with keywords - Especially in trade journals, magazines or newspapers
  - PPP, P3, public-private partnership
  - Look at indexing terms (ACADEMIC ARTICLES ARE STRICTLY INDEXED)
    - Public-private sector cooperation

Index terms can help you refine or redefine your topic!
Database Tools

Limiters

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<tr>
<th>Limit by year and type of publication</th>
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<tr>
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<tr>
<th>Use the databases subject function to explore browse articles by concept</th>
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Building and Environment
Volume 82, December 2014, Pages 317–327

Cost-benefit analysis of Building Information Modeling implementation in building projects through demystification of time-effort distribution curves

Weisheng Lu\textsuperscript{a}, Ada Fung\textsuperscript{b}, Yi Peng\textsuperscript{a}, Cong Liang\textsuperscript{a}, Steve Rowlinson\textsuperscript{a}

\textsuperscript{a} Dept. of Real Estate and Construction, Faculty of Architecture, The University of Hong Kong, Pokfulam, Hong Kong
\textsuperscript{b} Hong Kong Housing Authority, Kowloon, Hong Kong

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You must read the full article to include it in your Literature Review. Cited in is not acceptable!
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    • PROQUEST

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Logging in from Home

ID:  Student Number
PIN:  Last four digits of your phone number
Associations, Organizations & Government Bodies
Lots of free Reports/Dodge Reports

- Institute for BIM in Canada
- CanBIM
- National Building Specifications
- BIM Task Group (UK)
- Dodge Analytics

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