U of T Library Resources for Transportation Researchers

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Agenda

1. Transportation related resources
2. Advanced search techniques
3. Citation management
4. Other library related resources at U of T
Transportation Resources

- [https://guides.library.utoronto.ca/transportation](https://guides.library.utoronto.ca/transportation)

Transportation specific:
- TRB & TRID

Civil Engineering Specific
- Civil Engineering Database

Multidisciplinary:
- Scopus
- Web of Science
- Compendex (Engineering Specific)
TRB Database

- TRB publications only
- Most content freely available online
- Also search library catalogue
- You may be asked to login or “login as guest”.
- TRR
Searching in TRID

• #TRID4Life
• What is in TRID?
  - TRB (HRB) pubs back to 1922 (TRR journal, annual meeting papers, cooperative research series, special reports)
  - AASHTO pubs,
  - Federal and state DOT reports,
  - University Transportation Center reports,
  - Research in Progress project records
  - Also commercial publishers: SAE, ASCE, IEEE, Elsevier, Springer, Taylor & Francis, Sage, and more
  - Conference proceedings
  - International coverage – includes Canadian content
Multidisciplinary Databases

- Scopus
- Web of Science
- Compendex
Advanced Search Techniques

• Focus your search
• Be systematic
• Gain context
• Be comprehensive
Being Systematic

• Develop good keywords
• Broaden and narrow your search using Boolean operators
• Keep track of and build on previous searches
• Try controlled vocabulary / subject headings
Example research question

• I am looking at:

Intelligent transportation systems and their effect on traffic control and pedestrian safety
## Keyword mapping

<table>
<thead>
<tr>
<th>Concept #1</th>
<th>Keywords</th>
<th>Concept #2</th>
<th>Keywords</th>
<th>Concept #3</th>
<th>Keywords</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intelligent</td>
<td><strong>Intelligent</strong></td>
<td>Traffic control</td>
<td></td>
<td>Pedestrian safety</td>
<td></td>
</tr>
<tr>
<td>transportation</td>
<td>transportation system</td>
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<tr>
<td>system</td>
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</tbody>
</table>
Developing keywords

• Now think about alternate terms for your key concepts:
  – Synonyms
  – Broader, narrower, related terms
  – Acronyms
  – Plural/singular, spelling variations
  – Use the tools and initial searches to help you
# Keyword mapping

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<td>Pedestrian safety</td>
</tr>
<tr>
<td>ITS</td>
<td>Traffic reduction</td>
<td>Accident prevention</td>
</tr>
<tr>
<td>Intelligent vehicle highway system</td>
<td>Vehicle control</td>
<td>Pedestrian protection</td>
</tr>
</tbody>
</table>
Example

https://guides.library.utoronto.ca/transportation
Gaining context

• Citation databases
• Isolate review articles
• Use dissertations/theses

https://guides.library.utoronto.ca/theses
Being Comprehensive

• Search multiple databases
• Try controlled vocabulary searches (as well as keyword searches) where possible
Citation management

- https://guides.library.utoronto.ca/citationmanagement
Other resources available at U of T

- **Map and Data Library**
- **Research Data Management Support**
- **TSpace** and support for compliance with the **Tri-Agency Open Access Policy on Publications**
- Research consultations with me!
- **Workshops**
- **Interlibrary Loan**
Thank you

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