

U of T Library Resources for Transportation Researchers

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February 7, 2020



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>

Transportation specific:

- TRB & TRID

Civil Engineering Specific

- Civil Engineering Database

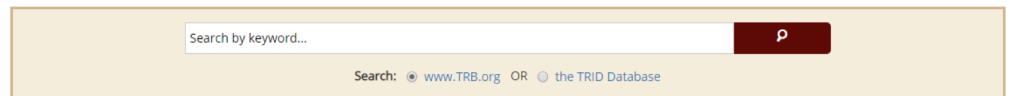
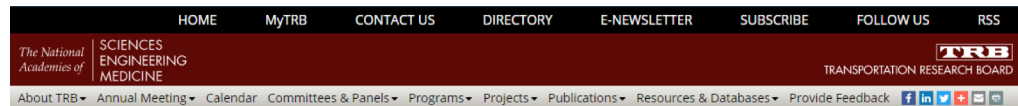
Multidisciplinary:

- 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



Civil Engineering Database

CIVIL ENGINEERING DATABASE

AMERICAN SOCIETY OF CIVIL ENGINEERS ASCE LIBRARY

[search tips](#)

all fields

author

title

select serial title

subject headings

publication year to

Sort by

Filter by:

- Book (21)
- Book - Proceedings (74)
- Book - Standard (2)
- Discussion / closure / errata / retraction (151)
- Editorial (115)
- Feature article (286)
- Forum (4)
- Journal Paper (3711)
- Misc. (0)
- Proceeding Paper / Chapter (8065)
- Serial title (3)



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

	Keywords	Keywords	Keywords
Concept #1	Intelligent transportation system		
Concept #2	Traffic control		
Concept #3	Pedestrian safety		



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

	Keywords	Keywords	Keywords
Concept #1	Intelligent transportation system	ITS	Intelligent vehicle highway system
Concept #2	Traffic control	Traffic reduction	Vehicle control
Concept #3	Pedestrian safety	Accident prevention	Pedestrian protection



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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