

Library Resources for CIVE 432 – Civil Engineering Technical Paper

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Introduction

After the lecture today, you will be able to:

1. Find **background information** for researching a topic
2. Search the **library catalogue** and **research databases** to find books and journal articles
3. Manage your citations with **EndNote**

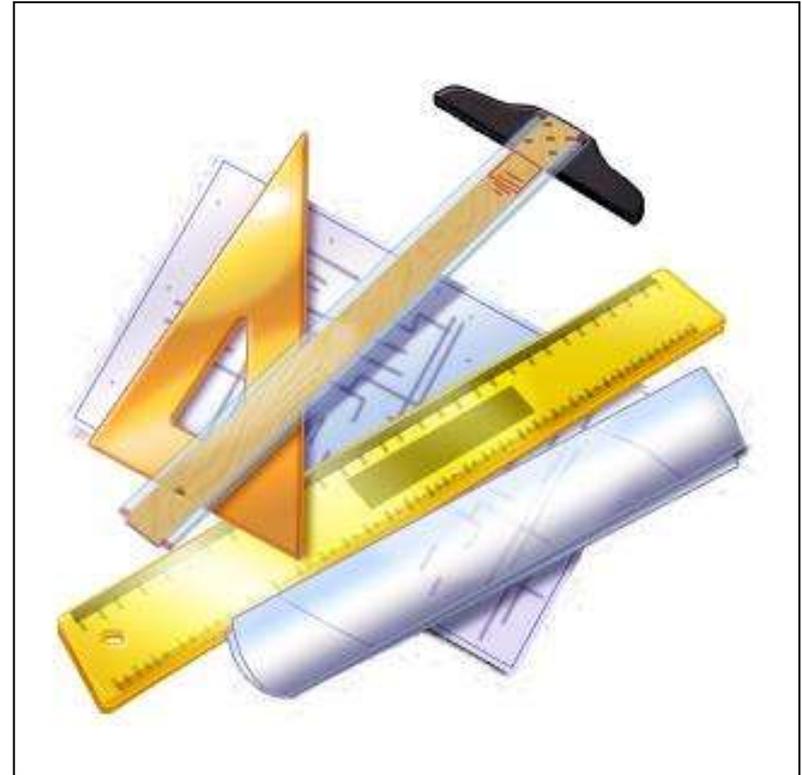
“Researching & Citing for your Technical Paper” Workshop

Wed. Jan. 7

12:30-2pm

Schulich Library

Room 313 (level 3)



Finding Background Information

Course guide for CIVE 432

www.mcgill.ca/library/find/courses/guides/cive432

- Starting point for your research
- Provides links to dictionaries and encyclopedias, list of core research databases, style and writing guides, and other useful information to get you started
- Includes liaison librarian's contact information

Tracking Your Research



EndNote

- Import references from library catalogue and databases
- Store, organize, and format your references
- Create bibliographies with Microsoft Word

Managing Your References

The screenshot shows a reference management application window. The top menu bar includes File, Edit, References, Groups, Tools, Window, and Help. The 'References' menu is highlighted, and a red circle is drawn around it. Below the menu bar is a toolbar with various icons for file operations and search. The main window is divided into a left sidebar and a main content area. The sidebar, titled 'My Library', contains a list of folders and their contents: 'All References (631)', 'Sync Status...', 'Unfiled (412)', 'Trash (60)', 'Unfiled Groups' (including 'bats (5)', 'ceea paper (28)', and 'climate chan... (8)'), and 'My Groups' (including 'Books24X7 p... (3)', 'CCOM 206 (1)', 'cerium diox... (0)', 'Chinese stu... (26)', 'Citation an... (13)', 'CIVE 432 (13)', 'Concept maps (1)', 'Discovery to... (1)', and 'Examining ... (18)'). The main content area features a search bar with 'Quick Search' and 'Hide Search Panel' options. Below the search bar are two search filters: 'Author' and 'Year', both set to 'Contains'. The main area displays a table of references with columns for Author, Year, Title, Rating, Jour..., L., and Reference Type. The table lists several references, with the entry for 'Choe, D.-E., Gardoni, P., Rosowsky, D., & Haukaas, T. (2009). Seismic fragility estimates for reinforced concrete bridges subject to corrosion. *Structural Safety*, 31(4), 275-283. doi: 10.1016/j.strusafe.2008.10.001' highlighted in grey. A red circle is drawn around this specific reference entry. At the bottom of the window, a 'Reference' tab is active, showing a preview of the selected reference, which is also circled in red.

Author	Year	Title	Rating	Jour...	L..	Reference Type
Chen, Yu-...	2011	Helping International St...		Coll...	9..	Journal Article
Cheng, Li...	20...	Logistics for world-wi...		Co...	9.	Journal Article
Cheng, Y....	20...	Collagen Functionaliz...		Jou...	5.	Journal Article
Choe, Do...	20...	Seismic fragility estim...		Str...	9.	Journal Article
Chouinar...	19...	Reliability analysis of e...		Pro...	9.	Journal Article
Cleyle, Su...	20...	A critical appraisal too...		Libr...	9.	Journal Article
Cobus, La...	20...	How Twenty-Eight Us...		Ref...	9.	Journal Article
Cohen, S...	20...	Taking 2.0 to the facul...		Coll...	9.	Journal Article
COLEMA...	20...	Meeting Europe's clim...		Glo...	9.	Journal Article
Comyns, ...	20...	Fuel cells: An overvie...		Mat...	5.	Journal Article
Corre, Pie...	20...	Determining a Clinical...		Plo...	9.	Journal Article

Reference Preview: Choe-2009 Seismic fragility estimates for rein.pdf

Choe, D.-E., Gardoni, P., Rosowsky, D., & Haukaas, T. (2009). Seismic fragility estimates for reinforced concrete bridges subject to corrosion. *Structural Safety*, 31(4), 275-283. doi: 10.1016/j.strusafe.2008.10.001

Sample Topic

Increasing
safety of
railway
bridges for
use in seismic
zones



http://en.wikipedia.org/wiki/File:KSR_Train_on_a_big_bridge_05-02-12_71.jpeg

Formulating a Search Strategy

- Read your topic carefully and circle the words that you think represent the key concepts
 - e.g. Increasing **safety** of **railway** **bridges** for use in **seismic zones**
- Think of other words, or synonyms, that could also be used to represent each of the concepts

**CONCEPT 1:
Safety**

**CONCEPT 2:
Railway**

**CONCEPT 3:
Bridges**

**CONCEPT 4:
Seismic**

- Safe

- Railroad
- Trains
- Railway system

- Girders
- Bridge design

- Seismic zone
- Earthquakes

One Catalogue, Two Ways to Search

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Advanced search **Classic Catalogue**

Use the Library	Find
Library account	Books

Classic Catalogue



Ask at your Library Services desk!

Collections: Relocation update

Exhibit - Launching Oct 27
Voltaire: A Sampling from the J. Patrick Lee Collection

Article Databases

- Compendex
 - Covers all aspects of engineering.
- Web of Science
 - Covers all disciplines. Use Web of Science to see who has cited an article of interest on your topic.
- Scopus
 - Covers all disciplines. Use Scopus to see who has cited an article of interest on your topic.
- Google Scholar
 - Covers all disciplines. Use Google Scholar to see who has cited an article of interest on your topic.

Searching Article Databases

Boolean Operators

Increasing safety of railway bridges for use in seismic zones

- Use Boolean operators to connect search terms together
- Boolean operators include **AND** & **OR**

Google Scholar



safety railway bridges seismic zones



Scholar

About 18,900 results (0.04 sec)

My Citations

Articles

Case law

My library

Any time

Since 2014

Since 2013

Since 2010

Custom range...

Sort by relevance

Sort by date

include patents

include citations

Create alert

Dynamic stability of trains moving over bridges shaken by earthquakes

YB Yang, YS Wu - *Journal of Sound and Vibration*, 2002 - Elsevier

... References. REFERENCES. 1; S. MIURA; Deformation of track and safety of train in earthquake. ... 139-147. 2; T. MIYAMOTO, H. ISHIDA, M. MATSUO; Running safety of railway vehicle as earthquake occurs. Quarterly of RTRI, 38 (1997), pp. 117-122. ...

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Probabilistic basis for 2000 SAC federal emergency management agency guidelines

CA Cornell, F Jalayer, RO Hamburger... - *Journal of Structural ...*, 2002 - ascelibrary.org

... "Rapid seismic damage assessment of railway bridges using the response-surface statistical model." *Structural Safety*, 17, 1-12. "Reliability-based partial safety factors for dual ... Incremental dynamic analysis", 561-596. ...

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... V... Engineering & System Safety, 96(10), 1402-1410. ... "Performance Evaluation of Deteriorating Highway Bridges Located in High Seismic Areas." *Journal of Bridge Engineering*, 16(5) ...

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Statistical analysis of fragility curves

M Shinozuka, MQ Feng, J Lee... - *Journal of Engineering ...*, 2000 - ascelibrary.org

... "Reliability-based performance simulation for optimized pavement maintenance." *Reliability Engineering & System Safety*, 96(10), 1402-1410. ... "Performance Evaluation of Deteriorating Highway Bridges Located in High Seismic Areas." *Journal of Bridge Engineering*, 16(5) ...

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Questions?



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