

# 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**

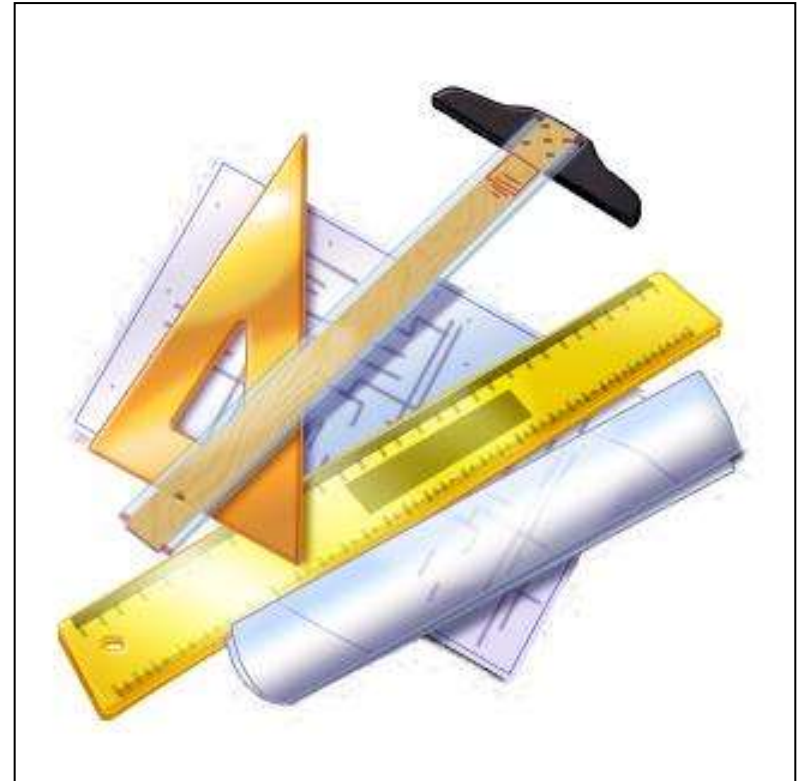
# “Researching & Citing for your Technical Paper” Workshop

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](http://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 the EndNote software interface. The 'References' menu is circled in red. The left sidebar shows 'My Library' with 'All References (631)' and 'Unfiled Groups'. The main window displays a list of references with columns: Author, Year, Title, Rating, Jour..., L., and Reference Type. The reference for Choe, D.-E., Gardoni, P., Rosowsky, D., & Haukaas, T. (2009) is highlighted and 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, 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](http://en.wikipedia.org/wiki/File:KSR_Train_on_a_big_bridge_05-02-12_71.jpeg)

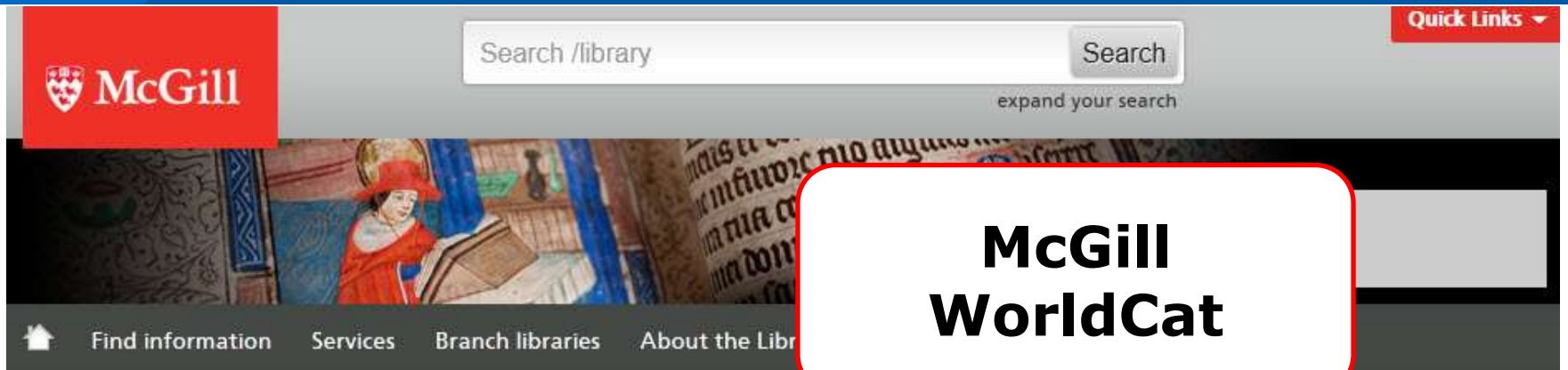
# Formulating a Search Strategy

- 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



<b>CONCEPT 1:</b> <b>Safety</b>	<b>CONCEPT 2:</b> <b>Railway</b>	<b>CONCEPT 3:</b> <b>Bridges</b>	<b>CONCEPT 4:</b> <b>Seismic</b>
<ul style="list-style-type: none"> <li>• Safe</li> </ul>	<ul style="list-style-type: none"> <li>• Railroad</li> <li>• Trains</li> <li>• Railway system</li> </ul>	<ul style="list-style-type: none"> <li>• Girders</li> <li>• Bridge design</li> </ul>	<ul style="list-style-type: none"> <li>• Seismic zone</li> <li>• Earthquakes</li> </ul>

# One Catalogue, Two Ways to Search



The top section of the McGill Library website features a red header with the McGill logo. Below it is a search bar with the placeholder text "Search /library" and a "Search" button. To the right of the search bar is a "Quick Links" dropdown menu. Below the search bar is a banner image of a medieval manuscript. A red box with the text "McGill WorldCat" is overlaid on the right side of the banner.

Search /library Search expand your search

Quick Links ▾

Find information Services Branch libraries About the Libr

[McGill.CA](#) / [MCGILL LIBRARY](#)



The WorldCat search interface shows a search bar with the placeholder text "Search WorldCat for books, articles, etc...". Below the search bar is a "Search" button. To the left of the search bar is a red oval. Below the search bar is a "Classic Catalogue" button. A red arrow points from the "Classic Catalogue" button to the "Classic Catalogue" text in the bottom section.

Search WorldCat for books, articles, etc... ?

Search

Advanced search Classic Catalogue



The Classic Catalogue search interface shows a table with two columns: "Use the Library" and "Find". The "Find" column has a "Books" button. A red box with the text "Classic Catalogue" is overlaid on the right side of the table.

Use the Library	Find
Library account	Books



The PGSS Family Collection banner features a green chair icon. Below the icon is the text "PGSS Family Collection". Below the banner is a "Ask at your Library Services desk!" button. Below the button is a "Collections: Relocation update" section. Below the update section is an "Exhibit - Launching Oct 27" section. Below the exhibit section is a "Voltaire: A Sampling from the J. Patrick Lee Collection" section.

PGSS Family Collection

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. ...

Cited by 64 Related articles All 5 versions Import into EndNote Save More

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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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) ...

Cited by 519 Related articles All 15 versions Import into EndNote Save More

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Full Text**

[PDF] from buffalo.edu  
McGill Library Full Text



# Questions?



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