



Searching For **SCHOLARLY** **INFORMATION:** Where & How

LIBRARY SESSION FOR ENCS 282

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AGENDA

1. Where to search?
2. How to evaluate?
3. What are scholarly sources?
4. How to access library tools?



**WHAT SEARCH TOOL
DO YOU USE TO FIND
ACADEMIC
INFORMATION?**

WHAT IS THE DIFFERENCE?

GOOGLE SCHOLAR



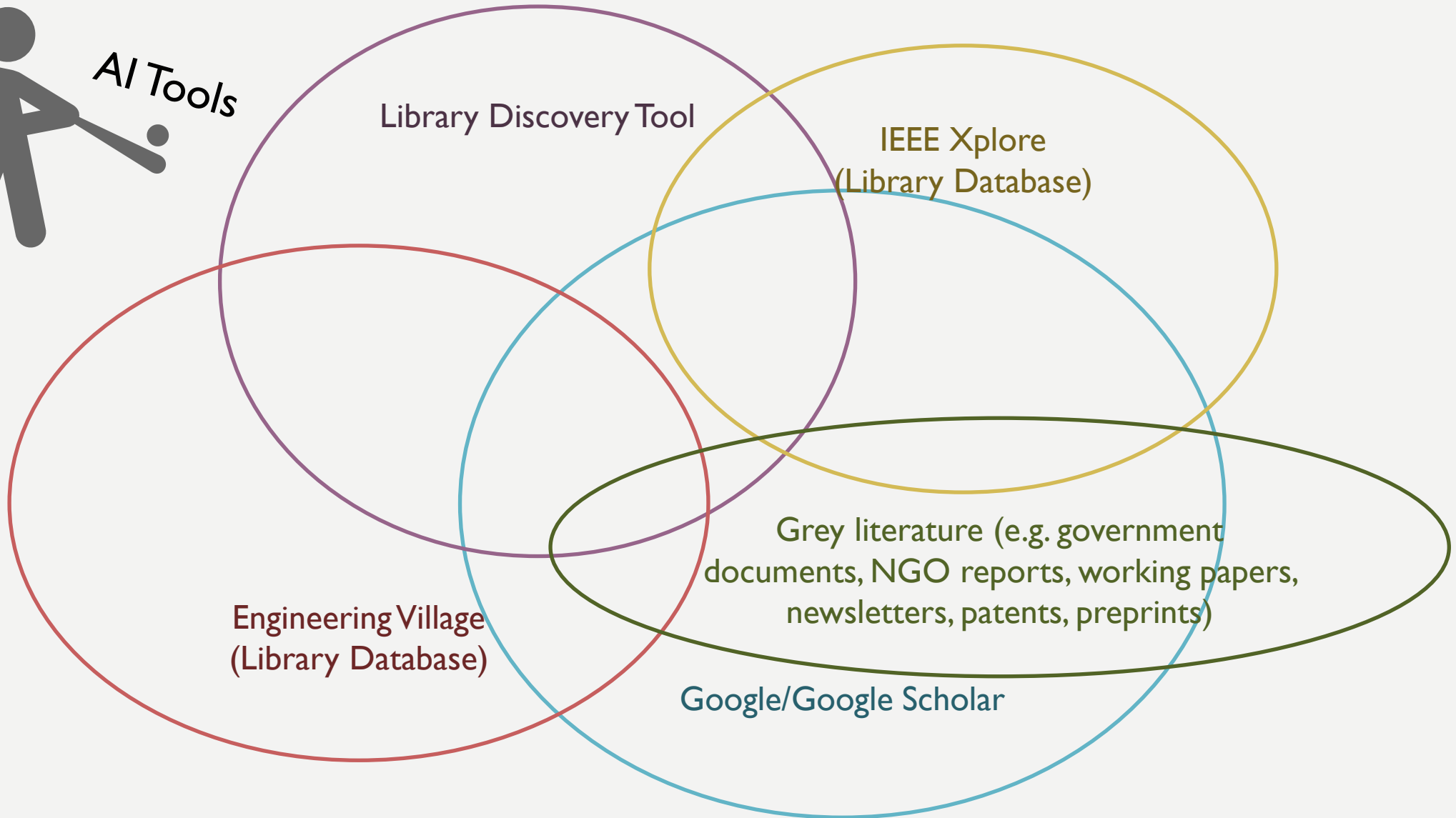
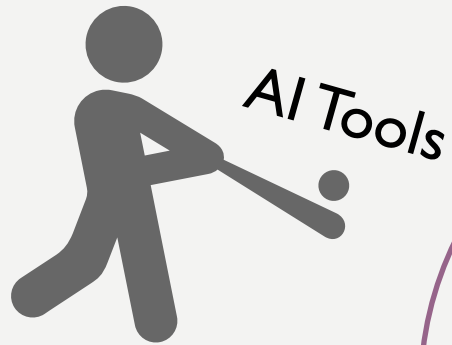
Volume | Quantity | Quick

LIBRARY DATABASES



Depth | Quality | Thorough

WHERE SHOULD YOU SEARCH?





**HOW IS USING
CHATGPT DIFFERENT
FROM GOOGLING?**

HOW ARE THEY DIFFERENT?

GOOGLE

Information retrieval

Index of web-based information

List-based results, one-way interaction

Retrieve results based on ranking algorithms
(e.g. keyword matching, relevance, page linking)

CHATGPT

Information generation

Human-like responses to prompts

Conversation-based results, often very persuasive

Generate unique responses based on what it has
learned about patterns and sequences of words
from massive training datasets

Google X |

All Images Videos Shopping News Web Maps ⋮ More Tools

AI Overview Learn more

The amount of water you should drink each day depends on several factors, including:

- **Health:** How healthy you are
- **Activity level:** How much you exercise or stand
- **Climate:** How hot and dry it is
- **Season:** You might need more water in warmer months
- **Environment:** If you spend more time outdoors or in a heated room

The National Academy of Medicine (NAM) recommends that men consume 125 ounces (3,700 ml) and women about 90 ounces (2,700 ml) of fluid per day. This includes fluid from water, other drinks, and foods.

Body Weight	Water Intake	Fluoridated Water
45 kg / 100 lb	3.0 L / 105 fl oz	3.0 L / 105 fl oz
55 kg / 120 lb	3.5 L / 120 fl oz	3.5 L / 120 fl oz
65 kg / 140 lb	4.0 L / 140 fl oz	4.0 L / 140 fl oz
75 kg / 165 lb	4.5 L / 155 fl oz	4.5 L / 155 fl oz
85 kg / 185 lb	5.0 L / 170 fl oz	5.0 L / 170 fl oz
95 kg / 210 lb	5.5 L / 185 fl oz	5.5 L / 185 fl oz

You can also get fluids from:

- **Food:** Around 20% of your total fluid requirements come from food. Some foods with high water content include watermelon, spinach, cucumbers, green peppers, berries, cauliflower, radishes, and celery.
- **Metabolism:** Fluid intake comes from metabolism.

Drinking enough water can help: Keep bowel movements regular, Prevent urinary tract infections (UTIs) and kidney stones, and Regulate your body's temperature.

Generative AI is experimental.

So how much fluid does the average, healthy adult living in a temperate climate need? The U.S. National Academies of Sciences, Engineering, and Medicine determined that an adequate daily fluid intake is: **About 15.5 cups (3.7 liters) of fluids a day for men.** About 11.5 cups (2.7 liters) of fluids a day for women.

Mayo Clinic
<https://www.mayoclinic.org/water/art-20044256>

[Water: How much should you drink every day? - Mayo Clinic](#)

About featured snippets • Feedback

THE SEARCH AS WE KNOW IT IS CHANGING

- GenAI-powered functionality is being introduced in major search engines such as Google and Bing
- The AI Overview does point to actual links, but the summary is subject to hallucination/confabulation
- Google has the disclaimer “Generative AI is experimental” in its AI Overview

ACKNOWLEDGING THE USE OF AI TOOLS OR AI-GENERATED CONTENT

BE TRANSPARENT AND DOCUMENT THE PROCESS

- Acknowledge functional uses (e.g. edit a passage, generate an outline, summarize an article) of AI tools where appropriate (e.g. Introduction, Declaration, Method).
- Provide a citation whenever you paraphrase, quote, or incorporate into your own work any content (e.g., text, image, data) that was created by AI tools.
 - Include the prompt used in the text. For long responses and interactions, provide it as an appendix or as a direct link (via a browser extension like [ShareGPT](#) or [A.I. Archives](#))
 - An example in IEEE style:

When prompted with “Is the left brain right brain divide real or a metaphor?” the ChatGPT-generated text indicated that although the two brain hemispheres are somewhat specialized, “the notation that people can be characterized as ‘left-brained’ or ‘right-brained’ is considered to be an oversimplification and a popular myth” [1].

[1] Text generated by ChatGPT, OpenAI, May 21, 2024, <https://chat.openai.com/chat>.



EVALUATING INFORMATION

STRATEGIES AND CONSIDERATIONS

THINK, PAIR, SHARE

Talk to the person next to you for 5 minutes:

What are some ways to ensure that the information you find online is accurate and reliable?

EVALUATING INTERNET INFORMATION

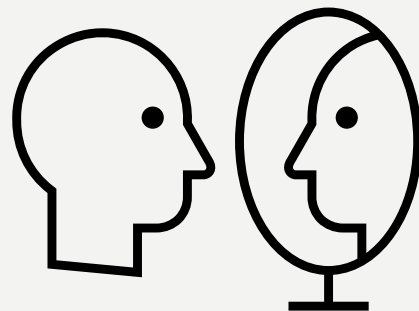
What do fact checkers do?

- Spend more time scanning the snippets on the results page **before clicking**
- Know what you read **before you read it**
- More **lateral reading** than vertical reading


BE MORE INTENTIONAL

Consider these factors **as much as possible**

- Who is behind the information?
- Who is the intended audience?
- What is the evidence?
- What is scope/depth/breadth?
- What do other sources say?
- How current is the information?



Do the sources confirm or contradict with your prior beliefs?



TYPES OF INFORMATION SOURCES

WHAT IS CONSIDERED SCHOLARLY?

NAVIGATING SCHOLARLY INFORMATION

ANSWER POLL QUESTIONS ON MENTIMETER

CONTEXTUALIZE THE PROBLEM WITH INFORMATION

You need to design a playground for a neighbourhood

Economical

Environmental

Political

Legal

Cultural

Social

Historical

Government data and statistics

Trade magazines

Photos

Encyclopedias

Standards and codes

Materials properties

Books

Handbooks

Conference proceedings

Maps

Technical reports

Research articles



LIBRARY DISCOVERY TOOL

THE MAIN LIBRARY SEARCH TOOL

Sofia Discovery tool

Books, ebooks, articles, and more

Search

[User guide](#)

Searching Sofia 

[Advanced search](#)



DATABASES BY
SUBJECT



E-JOURNALS



COURSE
RESERVES &
TEXTBOOKS



CITATION GUIDES
& ZOTERO



LOANS &
RETURNS



BOOK A GROUP
STUDY ROOM

LIBRARY DISCOVERY TOOL

- Front and centre on the library homepage
- A good starting point for a general search across library resources
- Answer questions such as:
 - Does the library have this book?
 - Does the library have this journal article?
 - Does the library have some background/overview information on a topic?

Sofia **Concordia** Hello Sign In

Advanced Search Resources Sort: Best Match ▼ ★ Saved Items (0)

Group This Search

Group Related Editions

Library

Libraries Worldwide

Bibliothèques universitaires du Québec

Concordia University Library

Webster Library

Vanier Library

Special Collections

Format

All

[Article \(13.9K\)](#)

[Book \(1K\)](#)

Article, Chapter (17K)

Article (13.9K)

Downloadable Article (2.1K)

Chapter (1.3K)

Book (1K)

eBook (975)

Print Book (31)

Thesis, Dissertation (3)


Video (46)

eVideo (46)

Journal, Magazine (9)

eJournal, eMagazine (9)

1



Blockchain

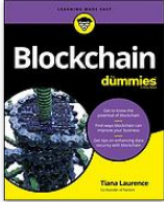
Authors: [Matthieu Quiniou](#) (Author), [Safari, an O'Reilly Media Company](#).

eBook 2019, 1st edition.
Wiley-ISTE, 2019.

Summary: The dominance of trusted intermediaries could be weakened by **blockchain**, a distributed ledger technology, one of the functions of which is to constitute timestamped proofs by replacing inter-individual trust with algorithmic trust. **Blockchain** self-executing smart contracts allow us to rethink the practice in the domain of e-commerce, interbank communication, Show More

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Concordia University Library

2



Blockchain for dummies

Authors: [Tiana Laurence](#) (Author)

eBook 2017
[Place of publication not identified]: Wiley, [2017]

Summary: Find out what **Blockchain** is, how it works, and what it can do for you **Blockchain** is the technology behind Bitcoin, the revolutionary 'virtual currency' that's changing the way people do business. While Bitcoin has enjoyed some well-deserved hype, **Blockchain** may be Bitcoin's most vital legacy. **Blockchain** For Dummies is the ideal starting place for business pros looking to gain Show More

Available
Concordia University Library

Worldwide Editions and Formats [View All \(2\)](#)

LIBRARY DISCOVERY TOOL

- A search for a broad keyword such as *blockchain*
- Refine options include:
 - Format types (e.g. ebooks)
 - Publication years
- Shows results with Concordia full text access by default
 - Easily expand to other university libraries in Québec or Worldwide
 - Easily make requests for items from other university libraries

LIBRARY DATABASES

OVER 400 OF THEM ORGANIZED BY DISCIPLINE

Engineering Village™

IEEE
Xplore®
Digital Library

 **Clarivate**
Web of Science™

 **SCIFINDER**ⁿ®
A CAS SOLUTION

Scopus®

Knovel®

LIBRARY DATABASES

- Content is usually more in-depth and specialized
- More options to search, expand, or refine
- Answer questions such as:
 - Where can I find journal articles on a specific aspect of a topic
 - How can I combine different elements/keywords in a search?

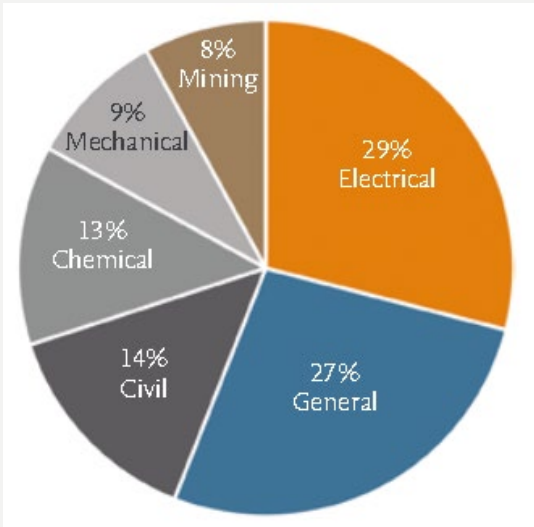


ENGINEERING VILLAGE

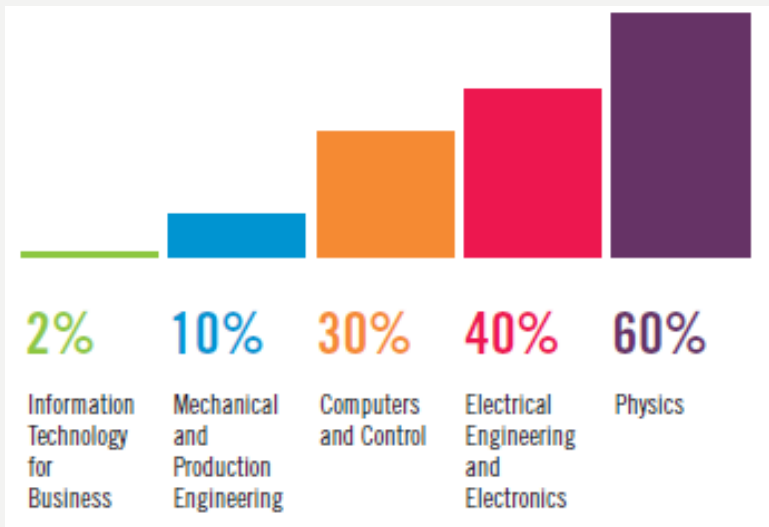
A CLOSER LOOK AT AN ENGINEERING DATABASE

WHAT CONTENT IS INCLUDED?

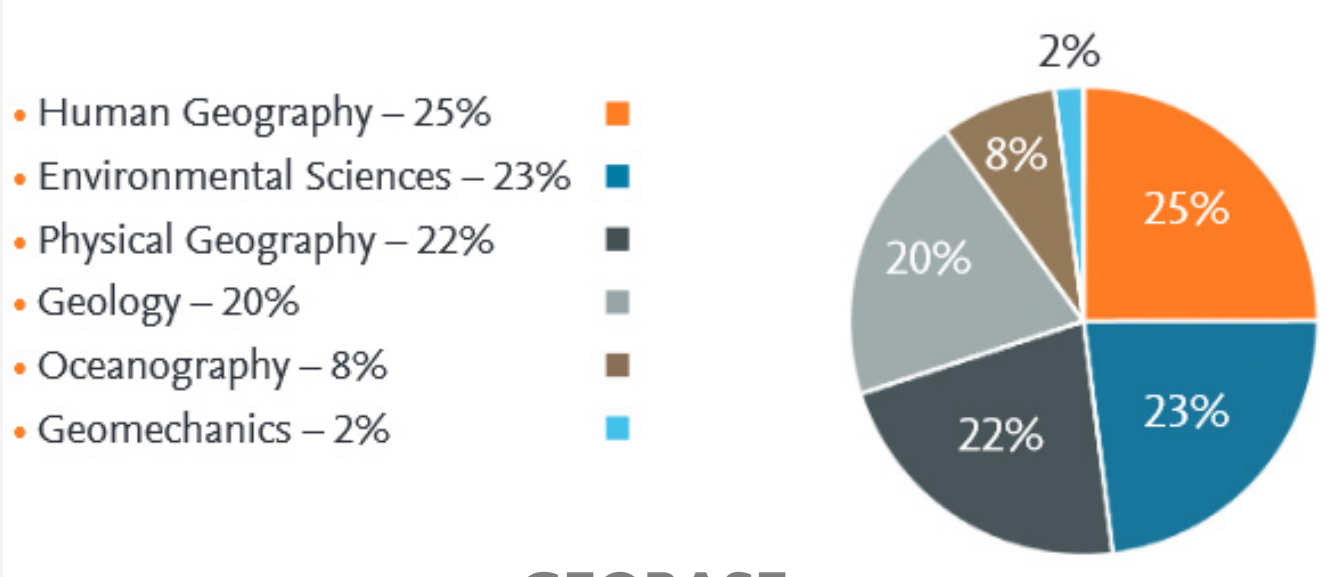
With a coverage of 1884 to the present, the three indexes **Compendex**, **Inspec**, and **GEOBASE** provide content in general engineering as well as more specialized engineering disciplines.



Compendex



Inspec



GEOBASE

Document type



Filter results:



<input type="checkbox"/> Conference article	(395,204)	<input type="checkbox"/> Erratum	(329)
<input type="checkbox"/> Journal article	(290,757)	<input type="checkbox"/> Retracted	(218)
<input type="checkbox"/> Preprint	(129,714)	<input type="checkbox"/> Data Paper	(98)
<input type="checkbox"/> Conference proceeding	(11,442)	<input type="checkbox"/> Report review	(85)
<input type="checkbox"/> Article in Press	(6,696)	<input type="checkbox"/> Standard	(43)
<input type="checkbox"/> Book chapter	(5,173)	<input type="checkbox"/> Editorial	(38)
<input type="checkbox"/> Dissertation	(2,049)	<input type="checkbox"/> Patent	(4)
<input type="checkbox"/> Book	(566)	<input type="checkbox"/> Report chapter	(4)

View: 10 Max

Limit to

Exclude

IS THE CONTENT PEER-REVIEWED?

- Journal articles are peer-reviewed
- Some conference articles/proceedings are peer-reviewed
- Recently, preprints have been included in the results in Compendex
- Preprints are NOT peer-reviewed, but are helpful in exploring the latest papers

Thermal effects and anomalies in the low-temperature plasticity of crystals

Malygin, G.A. (A.F. Ioffe Physicotech. Inst., St. Petersburg, Russia) Source: *Physics of the Solid State*,

Database: Inspec

Document type: Journal article (JA)

Detailed Show preview ▾ Cited by in Scopus (2) [Full text ↗](#) [Find it @ Concordia](#)

“Full text” button, if one exists

“Find it @ Concordia” button to check the library’s other subscriptions. If not available, request it via **Interlibrary Loan**.

HOW TO ACCESS FULL TEXT?

Full text may be readily available. If not, the “Find it @ Concordia” button can help check for full text availability in the library.

Contactless Book Pickup and Article/Chapter Scan & Deliver are available, see [Library services and resources during COVID-19](#).



INFO

Distribution pattern of heavy metals in soils with respect to typical land uses in electron

Article, Chapter

Authors: Wen-Cheng Wu

Publication: Zhongguo Huanjing Kexue/China Environmental Science, Volume:38, Issue:7, Page(s):2632-2638

Published: 2018

ISSN: 1000-6923

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- If Concordia Library doesn't have it, use Interlibrary Loan
- Takes a few days or longer to process depending on the item



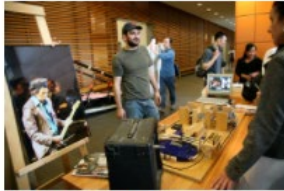
**A QUICK DEMO OF
ENGINEERING
VILLAGE**

Help & how-to

Subject & course guides



Business



Engineering & Computer Science



Fine Arts



Humanities



Sciences



Social Sciences



Interdisciplinary

HELP & HOW-TO GUIDES

Subject guides are available for all schools, including one for Engineering and Computer Science.

General guides cover various topics from peer review articles to annotated bibliography.

General guides



Finding

- › Articles (What's peer review?)
- › Books
- › Open Access journals
- › Primary sources
- › **More...**



Evaluating

- › Books
- › Articles
- › Media
- › Websites
- › **More...**



Writing

- › Annotated bibliographies
- › Literature reviews
- › Book reports
- › Research papers



Citing

- › APA style
- › MLA style
- › Chicago style
- › Zotero (formerly RefWorks)
- › **More...**



Using

- › Discovery Search
- › Find it! @ Concordia
- › **More...**

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514-848-2424 ext. 7909

Feel free to contact me for an appointment in-person or online.

SCHEDULE AN APPOINTMENT

I can help you with library resources and services, including but are not limited to:

- Locate specific items (e.g. books, articles)
- Navigate resources related to engineering and computer science
- Literature searching
- Citations and references
- Recommend new resources

ASK A LIBRARIAN

Contact the library in-person, by email, chat, or phone.

Contact your subject librarian (that's me!)

Today's opening hours

Webster Library: 24 hours
Vanier Library: 24 hours
Grey Nuns: Closed until October 2022

[Look ahead](#)



Ask a Librarian

Hi! What can I help you with today?

[Chat now](#)

[No, thanks](#)



QUESTIONS?