

Library Presentation for Research Methodology

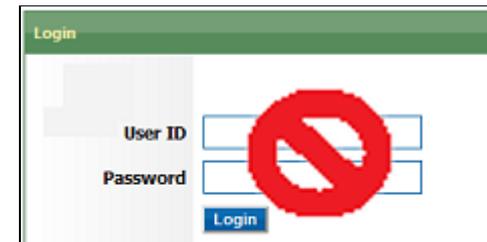
Lecture 1

After this Demonstration, you will be able to ...

- Find Articles Related to your Research using
 - IEEE Xplore
- Find Technical Books using
 - UA Libraries Catalog and Safari Technical Books
- Perform a thorough search by
 - [using more than one database](#)
 - using both keyword AND subject searching
 - [more literature review tips \(PDF\)](#)

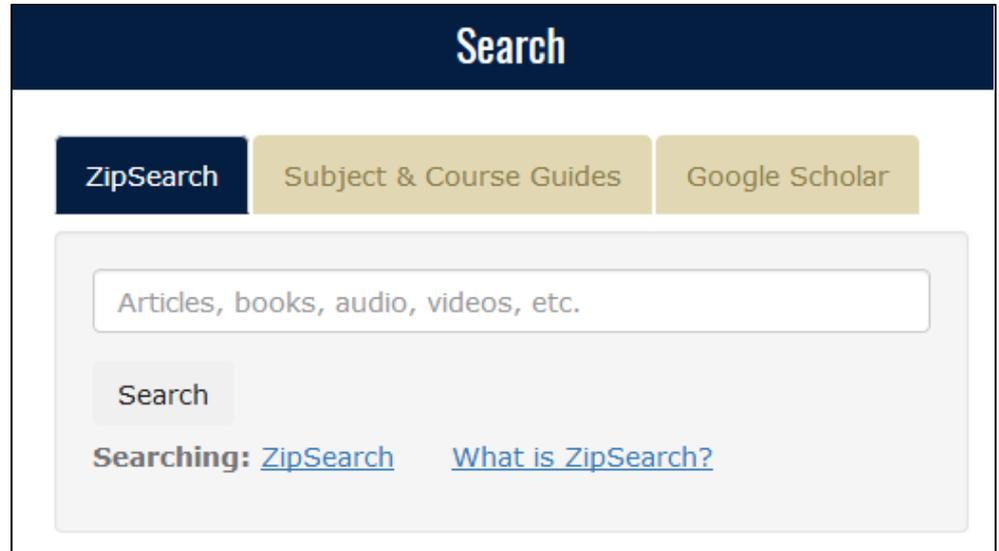
How do I find these resources?

- Use [Databases by Title hyperlink on the University Libraries homepage](#) when you know the database name.
- Using the databases by title hyperlink off-campus
 - You will be prompted by The University of Akron Login screen to enter your UANet ID and Password.
 - If you go to the URL of the resource directly, you will bypass the proxy server.
- Asked to login off-campus? Most likely either you
 - Bypassed or were dropped by the proxy
 - Were trying to get an article that the library does not have a subscription through where you tried to get it



ZipSearch

- [ZipSearch](#) is a tool that searches multiple databases and catalogs.
Remember to use it for its intended purpose.



The screenshot shows the ZipSearch interface. At the top, there is a dark blue header with the word "Search" in white. Below the header, there are three navigation tabs: "ZipSearch" (highlighted in dark blue), "Subject & Course Guides" (in light yellow), and "Google Scholar" (in light yellow). Below the tabs is a search bar with the placeholder text "Articles, books, audio, videos, etc.". To the right of the search bar is a "Search" button. Below the search bar, there is a "Searching:" label followed by two links: "ZipSearch" and "What is ZipSearch?".

- ✓ Good use – Find one article to review for a class project.
- ✓ Poor use – Perform a background search for your thesis.

Using IEEE Xplore to Find Related Articles

- [IEEE Xplore](#)
 - Get IEEE and IET journal articles and conference papers in full-text
 - Download IEEE active and historical standards, including redline versions that show changes from the previous version but **NOT** the draft standards
 - For additional information, use the **What can I access** hyperlink in IEEE Xplore

Using IEEE Xplore to Find Related Articles

- Let's start with Parallel Computing as an example

Metadata Only Full Text & Metadata

in ▼

- Seeks the exact phrase parallel computing
- Other tips
 - Query is constructed like ((textbox1 AND textbox2) AND textbox3)
 - Particularly important when using OR
 - Without quotation marks it would search for parallel and computing

Using IEEE Xplore to Find Articles

- You can add search terms or filter on year, author, etc.

- Add a search term

Refine results by

- Remember, a document could pertain to cardiology...just not say it in the record for the item.
- You can deselect any added term or filter by selecting the "x"
- [Another filtering example \(PDF\)](#)

Using IEEE Xplore to Find Related Articles

- Article: An efficient parallel numerical method for large-scale computational models of cardiac electrophysiology
 - Select the title for the detailed record, then the Keywords tab for index or subject terms

Example Subject terms

INSPEC: CONTROLLED INDEXING

parallel processing

...

INSPEC: NON CONTROLLED INDEXING

...

Large-scale parallel computation

IEEE TERMS

...

parallel processing

Parallel processing is an index term of interest and it is found in INSPEC: Controlled Indexing and IEEE terms.

IEEE Xplore provides multiple sets of indexing or subject terms.

Using IEEE Xplore to Find Articles

- Use the subject term “parallel processing” to broaden or expand this search.

- Perform a new advanced search

Metadata Only Full Text & Metadata

	“parallel computing”	in	Metadata Only ▼
OR ▼	“parallel processing”	in	Index Terms ▼
AND ▼	cardi*	in	Metadata Only ▼

- Use a combination of keyword and subject searching to perform a more thorough search.

Using IEEE Xplore to Find Articles

- Finding Help (in Footer)
- [A series of video tutorials like this presentation and more examples](#)
- [Another subject and keyword search example \(PDF\)](#)
- [Command search example \(PDF\)](#)
- [Another command search example \(PDF\)](#)
- [Full-text search example \(PDF\)](#)
- [Tutorials from IEEE](#)

How to Find Books

- [UA Libraries Catalog](#)

- Keyword searches most of the information in the record ...
 - [Try \("parallel computing" OR "parallel processing"\) and \(heart* OR cardi**\)](#) for date > 2010 using [UA Libraries Catalog](#) – 4 Results

- For more results try

- A broader search using more terms with the OR operator and/or broader terms
 - Try [\("distributed computing" OR "parallel computing" OR "parallel processing"\) and \(medic*\)](#) for date > 2010 using [UA Libraries Catalog](#)
 - Found a thesis: [Fast Fourier transform using parallel processing for medical applications](#)

How to Find Books

- For more results, try (cont.)
 - Full-Text Searching via the sources below. Try samples searches
 - [Safari](#) (Computer Related Books)
 - [Google Book example](#)

How to Find Books

- For more results, try (cont.)
 - If no electronic access and not in our catalog, try OhioLINK
 - UA Libraries Catalog Buttons from a title search



- If OhioLINK does not have it, try Search Ohio. If neither have it, order it from Interlibrary loan

Keeping Current with Your Topic

- Keep track of previous searches and keep current with your topic
 - IEEE Xplore
 - Setup a free personal account
 - Table of Content alerts for journals in your area of interest
 - Can save searches
 - [Keeping Current tutorial for more information](#)

Additional Exercises

- IEEE Xplore
 - Use a topic that you are interested and
 1. Find an article
 2. Look at the subject terms and combine them with your search if applicable
 3. Save your search that produces the article (you will need the article reference for lecture two)
 - You can either setup a free account with IEEE or
 - Save the article and the search query to a text file

Additional Exercises

- Catalog
 1. Find a book on the same topic
- Before Lecture 2
 1. [Decide which bibliographic manager that you want to use and setup an account](#)
 2. Have your choice setup and ready for the next lecture
 - If you have trouble, please email me before Monday 5PM