



## *A presentation for PhD students*

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Workshop slides are available here:

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## Bibliographic research steps



- Identify your topic and keywords
- Choose the proper tools (catalogues, databases )
- Collect and evaluate useful documents (articles, papers, technical reports )
- Create your bibliography using the correct citation style and citing the source



# What are Bibliographic Databases?



- A **bibliographic database** is a database of bibliographic records, an organized digital collection of references to published literature, including journal and newspaper articles, conference proceedings, reports, government and legal publications, patents, books, etc. In contrast to library catalogue entries, a large proportion of the bibliographic records in bibliographic databases describe articles, conference papers, etc., rather than complete monographs, and they generally contain very rich subject descriptions in the form of keywords, subject classification terms, or abstracts.
- A **bibliographic database** may be general in scope or cover a specific academic discipline.



# Why use Bibliographic Databases?



- Bibliographic databases allow you to **use keywords** to search across thousands of different journal titles and conference proceedings at the same time for papers in a specific subject area.
- This **saves you a lot of time** as you do not have to search through individual publications.
- The papers have been through some form of "**quality control**" to ensure that the information is more reliable and valid than information you may find by searching the internet (better than Google search!).
- Bibliographic databases allow you to **create a structured search** by helping you to identify relevant keywords, to combine keywords together and to limit your search.
- Bibliographic databases give you the citation or reference details about the articles you have found so that you can **locate the full text**.
- Bibliographic databases usually **provide links to the abstract or summary** of the article so that you can evaluate its relevance.
- If the University has an electronic subscription to the journal or conference proceedings, you will **have online access to the full text** of the paper.
- Bibliographic databases **are regularly updated** giving you access to the most current research.



## (Engineering) Bibliographic Databases



- [Web of Science](#) (Thompson Reuters bibliographic and citation database of peer-reviewed literature)
- [Scopus](#) (Elsevier bibliographic and citation database of peer-reviewed literature)
- [Engineering Village](#) (Compendex is the most comprehensive interdisciplinary engineering database in the world)
- [IEEE Xplore](#) (full-text electrical engineering, computer science, and electronics bibliographic database)
- [Business Source Premier](#) (bibliographic database about management, economics, finance, business )
- [Reaxys](#) (Reaxys is a web-based search and retrieval system for chemical compounds, bibliographic data and chemical reactions)



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COVERAGE: multidisciplinary

TIME RANGE: 1985-

DOCUMENT TYPES: articles, proceedings  
papers



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### Booleans: AND, OR, NOT, SAME, NEAR

#### Field Tags:

|                                   |                             |
|-----------------------------------|-----------------------------|
| TS= Topic                         | SA= Street Address          |
| TI= Title                         | CI= City                    |
| AU= Author [Index]                | PS= Province/State          |
| AI= Author Identifiers            | CU= Country                 |
| GP= Group Author [Index]          | ZP= Zip/Postal Code         |
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| OR      | + |
| AND NOT | + |
| PRE/    | + |
| W/      | + |

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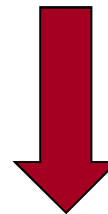
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