

ECTE457 Research tips

Find *books, eBooks, handbooks and theses*.

Tips: If you know the **exact title** use a 'title' search in the Classic Catalogue

If you **don't know what is available** use Search Guru

For the most comprehensive search, try an **advanced search in the Classic Catalogue:**

Combine keywords with AND to find catalogue records that contain all of your keywords

e.g. *broadband AND network***

Note: To retrieve variations of your keyword use the truncation symbol **

e.g. network** will retrieve network, networks and networking

Try Compendex (* "phrase" near5) Scholarly journal articles on engineering and technical topics including: computers and data processing, electronics and communications.

Tips: Register and set up **email alerts** to receive the latest research on your topic.

Some results may not display in full text. Try a Journal Title Search on the **Journal Title** (NOT THE ARTICLE TITLE) to find the fulltext in another database. If fulltext is not available, use **Document Delivery**.

Search IEEE Xplore (*) to find journal articles, transactions, conference proceedings and current IEEE standards. All information on IEEE is scholarly and fulltext with a US focus.

Finding citing articles for an important journal article or author on your topic:

Practice finding citing articles for this citation in IEEE.

Chen, S. 2004. *Open design of networked power quality monitoring systems*. IEEE Transactions on Instrumentation and Measurement. V.53, Iss 2, p. 597–601

Tip: Look under AbstractPlus for index terms and citing articles

Find the standards for your area of research?

Tip: use a broad search term eg. Power quality

Tip: Set up Table of Contents alerts for Journals in your research subject area

Remember to **Log Out!**

Search Web of Science (* "phrase" near) for the latest advances in engineering technologies, including: Aerospace and defence, Automotive, Communications, Electrical power engineering, Electronics and semiconductors, Instrumentation and testing, Nanotechnology, Robotics and advanced materials, Software and computer-implemented business methods, and Telecommunications.

Tips: Web of Science enables searching by cited references. This can be useful if you have an important article on your topic and you'd like to follow the research path, or similarly if you know the top author on your topic and would like to see who is quoting them.

Register and set up **email alerts** to receive the latest research on your topic.

ScienceDirect (*) "power quality" Proximity search - e.g. power **w/5** quality. European focus.

Tip: Register and set up **email alerts** to receive the latest research on your topic.

Inspec (\$) Physics, electrical engineering, electronics, communications, information technology. International. Not fulltext but full articles may be available elsewhere (Journal Title Search)

Tip: Select Multi-field search and use \$ for truncation

Tip: Set up alerts on your topic

Tip: Search as many databases as possible to thoroughly research your topic! Also try Article Finder (Advanced search / Informatics).

Resources for Assignments – ECTE

See: guides to patents, standards, academic journals etc

See: Library Research Classes – handout and copy of PowerPoint slides for revision.

Checklist:

- Do you know where to find database tips for truncation, phrase searching and proximity searching?
- Do you know how to find theses?
- Do you know where to look up the IEEE referencing guide?
- Do you know how to find fulltext? TIP: see ECTE Resources for Assignments page
- Do you know how to do a Cited Reference Search in Web of Science?
- Do you know how to apply for Document Delivery?
- Do you know how to set up email alerts?
- Do you know how to get more help if you need it?
- Have you considered using Endnote?

For further assistance

- Information for Honours Students
<http://www.library.uow.edu.au/services/UOW026551.html>
- HELP: Ask us: Email a Librarian and Research Help
Teach yourself: Online tutorials
- Resources for Assignments / Informatics / ECTE

Your Faculty Librarian: ameldrum@uow.edu.au

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