Computer Science Information Sources

As a member of the University of Salford, you have access to a wide range of resources, including books, journals, and databases. This guide is intended for students studying computer science, software engineering, computer networks and interactive media, and outlines information sources most relevant when researching for assignments, essays and dissertations.

Finding Information Sources

Types of Information
Information can be found in a variety of formats. Books are a good starting point as they offer background information, a broad overview and lots of information across the breadth of a subject. Journal articles, by contrast, offer up-to-date expert research on highly specialised topics.

When finding information for your assignments, it is important to use a mixture of formats to ensure your research is balanced. See this e-Learning for more advice about the information sources that are available to you, when to use them and how to find them: http://library-files.salford.ac.uk/elearning/resource-toolkit/story.html

Using Library Search
Library Search is the gateway to the Library’s information resources in both print and electronic form.
To access it, go to the Library & Learning Support menu on the Student Channel http://www.salford.ac.uk/students and click the Library Search link.

When Library Search opens, type in what you want to search for and choose whether you want to find books, articles or everything.

Print resources

You will see a link telling you which of our libraries the item is available in and its shelf number. Click this link to find out how many copies are available.

Click the LOCATE button to see a map showing you where in Clifford Whitworth the item is shelved.
available in electronic format. To limit your results so that you only find e-books use Library Search and then click **Books (Electronic)** under the **Resource Type** heading.

Click the **Online access** link to open the book. If you are asked to log in use your network username and password.

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**eJournals**

Nearly all our journals are held in electronic format only. If you wish to check if the Library has access to a particular journal, click the **E-Journals** link in Library Search to and type in the journal title.

Note: if you can't see the **E-Journals** link, click the three dots … to find it.

You can also search for journal articles on a specific subject using Library Search, by changing the search option to **Articles & more**.

To read the article click the **Full text available** link, then click the link through to the publisher’s website.

While the ‘**Articles & more**’ option will search through a range of databases subscribed to by the University, it is not a comprehensive search. If you wish to perform a more in-depth search for journal articles, reports, conference proceedings, etc., you might find it easier to search within individual databases related to your field of study.

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**Databases**

Databases are searchable online collections. These are subscription services, offering good quality, peer-reviewed academic information. The material they contain is not freely available on the internet. The Library subscribes to a variety of general and subject specific databases, providing access to a range of different types of information, including journal articles, abstracts, books and book chapters, official documentation, newspapers and conference proceedings.
Select Computer Science from the menu, then click the Submit button. The relevant subject databases will be listed.

To access all our databases click the Databases link at the top of the Library Search screen.

If you already know the name of the database you want to use type it in here, or use the A-Z list.

Use Link to database to go straight into the database.

If you are working off-campus you may be asked to log in. See the information on the next page about this.

Click on the title of the database for information about what the database includes, the subject areas covered, information about off-campus access, and links to help pages, where available.
Off campus access

You can gain access to many databases off campus (outside the University). To do so you will need to use the appropriate password information. You can find out the type of password authentication required by clicking on the database title – see page 3.

- Most databases require your network username and password for off-campus access. Often you will go straight to a login screen but sometimes you need to look for a link called Institutional Login and search for University of Salford first.

- Some databases require individual password information. These are listed on the Library website at: http://www.salford.ac.uk/library/resources/e-passwords. Please note, you will need to log in with your network username and password to view this information.

Choosing Information Sources

Dictionaries, handbooks and encyclopaedias
These reference books can help you to understand your subject and define your search terms. Use Library Search to find them.

Examples include:
- Computer and Information Security Handbook
- Handbook of Open Source Tools
- Handbook on Data Centers
- IEEE Standard Dictionary of Measures of the Software Aspects of Dependability

Key Subject Databases for Computer Science
These are some of the databases which specialise in your subject area. They are not available freely via the web and contain access to quality, peer-reviewed material.

- **ACM Digital Library** - Bibliographic information, abstracts, reviews, and the full-text for articles published in ACM journals, magazines and conference proceedings, together with works published by affiliated organisations. Coverage is usually from volume 1 onwards.
- **IEEE Xplore** - The full text of IEEE content published since 1988, including IEEE journals, transactions, magazines, and conference proceedings, IET journals and conference proceedings, IEEE published standards, and more.
- **Science Direct** - Science Direct is a leading full-text scientific database offering articles from more than 2,500 peer-reviewed journals and chapters from more than 11,000 books. Coverage is from at least 1995 onwards, although many publications are much earlier.
- **SpringerLink** - Access to a wealth of online journals from Springer covering all aspects of science and engineering.

Follow the instructions on page 3 of this guide to access these databases, and to find more that are suitable for your subject area.

Please note: certain databases only provide abstract details and do not offer a fulltext copy of articles in electronic format. For these items you will need to check Library Search to see if we have a print version available. You could also click on the [Online] link to see if the article is available from another source.
Conference Proceedings

Results of new research and original thinking are often put forward for discussion at meetings and conferences; specialist databases for tracing this information are listed below. These can be accessed through the Databases link on Library Search (see page 3 of this guide).

- **ACM Digital Library**
  Provides fulltext access to the conference proceedings of the ACM and a range of affiliated organisations. You can use the search form, or go to Browse the Conferences to see what is available.

- **IEEE Xplore**
  Provides fulltext access to the conference proceedings of IEEE, IET and SMPTE.

- **Web of Science: Core Collection**
  At the search page click the MORE SETTINGS link and make sure the Conference Proceedings Citation Index - Science option is ticked. Untick the other options if you want to restrict your results solely to conference proceedings. Use the Full Text and FIND IT button to see if we have access to the fulltext.

- **Zetoc**
  At the Zetoc homepage click the Zetoc Search link, then click the Conference Search link. There is no fulltext on Zetoc, but enough information is provided to enable you to check Library Search to see if we have access to the papers at Salford.

British Standards Online

Fulltext coverage of all British Standards and corresponding European (EN) and International (ISO) standards. Access through the Databases link on Library Search.

For more information, see the FAQ, *How do I find a British Standard?*, available at: [http://salford.libanswers.com/e-resources/faq/137330](http://salford.libanswers.com/e-resources/faq/137330)

Theses

We have access to a number of theses collections, some of which provide fulltext.

- Access through the Databases link on Library Search.
- Select Dissertations and Theses from the menu.
- Click the Submit button.

The main theses collections are:

- **Salford University e-theses** – There is a growing collection of University of Salford theses available online, via USIR, the University’s Institutional Repository.
- **ETHos** - The British Library’s Electronic Theses Online Service, which provides access to digitised theses from participating universities from across the UK, including the University of Salford.
- **Proquest Dissertations & Theses** - More than two million entries, covering mainly American doctoral dissertations and masters’ theses, from 1861 onwards. Abstracts are available from 1980 onwards, and often a preview of the dissertation is provided - but the database doesn’t contain any full text.
For further details on finding theses and instruction on using the assorted databases, please see the FAQ How can I find theses? available at: http://salford.libanswers.com/e-resources/faq/137926

Need something we don’t have?

If there are books, DVDs or journal articles you would like for your studies or research that the Library does not have, you can ask us to buy them for you.

Go to the Need something…? section of the Library homepage at: http://www.salford.ac.uk/library

Choose from Book, DVD or CD or Journal article and fill in the form to request the item you want.

Library Champion
Your Library Champion is a student representative who can order also library books for you, as well as raising problems you might be having with the Library, and taking forward suggestions you think of for improving and developing library services.

To find the Library Champion for Computing, Science and Engineering go to: http://www.salford.ac.uk/library/help/library-champions

Using other libraries
As a member of the University of Salford you have access to a number of local and national libraries.

- **SCONUL Access** - this is a scheme which allows you to borrow or use books and journals at 175 other libraries across the country. To find out more go to: http://www.sconul.ac.uk/sconul-access
- **British Library Catalogue** – lists over 13 million items in the British Library collection http://catalogue.bl.uk
- **COPAC** – provides access to the online catalogues of some of the largest university research libraries in the UK and Ireland. http://copac.ac.uk/
If you are having problems finding information, please ask for help.

Your Academic Support Librarian will be able to advise you of the best resources for your research, and help you get the most out of searching them.

Anne Sherwin  
Academic Support Librarian for Computing, Science and Engineering  
0161 295 6846  
a.sherwin@salford.ac.uk

There is also lots of advice and links to further information on the subject page for Computing, Science and Engineering, available at:  

Library Support Desk  
The Support Desk provides general support and advice on all library services and facilities.

library@salford.ac.uk.  
+44 (0)161 295 5535  
+44 (0)1689 422 053

You can use our Chat service to get help from a librarian 24 hours a day, seven days a week. Click the Chat tab on the right-hand side of any page on the Library website http://www.salford.ac.uk/library, type in your question and click Enter.

Search our Frequently Asked Questions (FAQs) to see if your enquiry has already been answered, and ask your own questions online:  
http://salford.libanswers.com/
The **Skills for Learning** website provides online help, including links to guides, e-Learning and videos, covering everything you need to know about finding, understanding, using and referencing information, academic reading and writing, IT, digital skills and much more.

There are also details of workshops and one-to-one appointments available for you to attend.

**Skills for Learning** is available at:  
[http://www.salford.ac.uk/skills-for-learning](http://www.salford.ac.uk/skills-for-learning)

or access through the logo on the Student Channel:  
[http://www.salford.ac.uk/students](http://www.salford.ac.uk/students)

Also see **Skills for Learning** on:

- **Blog**: [blogs.salford.ac.uk/digital-literacy-skills](http://blogs.salford.ac.uk/digital-literacy-skills)
- **Facebook**: [www.facebook.com/skillsforlearning](http://www.facebook.com/skillsforlearning)
- **Twitter**: [@skillupUS](http://twitter.com/skillupUS)