

Research resources for Computer Science and Engineering



Where to start

Radcliffe Science Library staff maintain research guides for your subjects, which cover specialist databases amongst other resources. These can be found at:

- **Engineering** <https://libguides.bodleian.ox.ac.uk/engineering>
- **Computer Science** https://libguides.bodleian.ox.ac.uk/computer_science

Alternatively, you can access databases via the **Databases A-Z** link on the **SOLO** home page (<http://solo.bodleian.ox.ac.uk/>)

Finding papers

Scopus and Web of Science

Web of Science and **Scopus** are excellent places to find literature on your subjects. They cover journal articles, conference papers, review articles, and patents. More detailed information on using these databases is provided in separate task sheets.

IEEE Xplore

- The **IEEE Xplore Digital Library** provides access to full-text articles, conference papers, and standards.
- There's a link to it under the Database tab on both the Engineering and Computer Science LibGuides.
- Enter some keywords for your search in the main search box. For instance, search *home automation*.
- Select **Journals** from the different types of resources shown at the top of the results list. Click on **Apply**.
- You can refine your results further by using filters on the left-hand side of the page. For instance, click **Media** under the Supplemental Items filter to see documents accompanied by video or other material.

To browse conference proceedings:

- Select **Conferences** from the Browse dropdown menu.
- Try searching conferences by title keywords, for instance type *sensor network* in the small search box
- Refine your results to proceedings published by IEEE under the Computing & Processing topic. Make sure you click on **Apply refinements** for each filter you use.
- Click on the title you are interested in and select the latest available issue to access the most recent papers from that conference.

[ACM Digital Library](#)

ACM Digital Library provide access to full-text articles and conference proceedings published by the Association of Computing Machinery (ACM)

- There's a link to it under the Database tab on both the Engineering and Computer Science LibGuides.
- Look at the available conferences by clicking on Conferences or Proceedings. They are organised by alphabetical order.
- Select a conference from the list by clicking its title to see the papers presented.

Finding Standards

[Finding British Standards Online](#)

You can access British and European standards from the **British Standards Online** platform:

- From the Engineering or the Computer Science Libguide, under the **Standards, Repositories, search engines, etc** tab click on **British Standards Online** (BSOL). You can also access this resource from SOLO by searching its title.
- Try searching the standard on 'Robots and robotic devices. Coordinate systems and motion nomenclatures' which has the standard number 'BS ISO 9787:2013'. You can search by standard number or using keywords from the title.
- Click on the standard title for more information or click on **Download PDF** to access its full text.

- Please note that you'll need the VPN (<https://help.it.ox.ac.uk/network/vpn/index>) to access BSOL when connected to **eduroam** or to wifi connections other than the Bodleian Wi-Fi.

Finding IEEE standards

Alternatively, you can look at IEEE standards. They are American standards published by IEEE.

- From the Engineering or the Computer Science Libguide, under the 'Standards, Repositories, search engines, etc' tab, click on IEEE Xplore
- Run a search by typing title keywords in the small search box. Try searching for 'electric power'.
- Click on **Active** on the left under **Standard Status**, and then click on **Apply** to view only active standards.
- Select a standard from your results list, click on **Show Version Details** if no version is showing and then on its approved version. Click on **PDF** to access the full text.

Useful ebook series

Click on the ebooks tab on the Computer Science or the Engineering Libguides to access useful ebooks series such as:

- **Lecture Notes in Mathematics** - ebook series on new developments in all areas of mathematics and their applications
- **Lecture Notes in Computer Science** - series reporting latest original research in computer science and information technology. Conference proceedings and post proceedings are the core of this series.
- **O'Reilly (formerly Safari) platform** - includes ebooks, programming manuals, and online courses on a variate range of topics in computing, data science, and business.