



Successful Searching for Engineering and Computer Science research

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Radcliffe Science Library



Plan for this session

Searching bibliographic
databases

Planning a search and practise
standards search techniques

Where to find subject-specific
information

Where to find preprints, open
materials, and other resources

Feedback and questions

You can write questions in the **chat** or use the **padlet** for anonymous questions, comments or feedback

<https://tinyurl.com/iSkillsComments>



Where do you search for research information?

Add your answers to the Teams Form



Finding resources: SOLO & Browzine

Search Scope: Search Everything

Any field contains

AND Any field contains

+ ADD A NEW LINE

Resource Type

- All items
- Books
- Journals**
- Articles
- Images
- Audio Visual
- Databases
- Scores

SIMPLE SEARCH

BROAD STREET

Sheldonian Theatre

Chapel

EXETER

Bodleian (New Library)

SOLO status

- See the latest information on library opening times
- A wide range of digital services are available with many more ebooks to Keep the University Reading
- Streamlined access to online journals directly from SOLO, from the BrowZine website or Chrome extension

Getting Help

If you have any questions or need help making the most of the extensive electronic resources still available to you then please:

- use our Live Chat service (via the tab on the right of this page)
- contact us via reader.services@bodleian.ox.ac.uk

Useful links

- Bodleian Libraries Home Page
- Subject & Research Guides
- Find A Library
- e-Journals A-Z **BrowZine**
- Databases A-Z
- Special Collections Catalogues
- Digital Bodleian
- ORA (Oxford University Research Archive)
- ORLO (Oxford Reading Lists Online)

ACCESS PROVIDED BY



Bodleian Libraries
UNIVERSITY OF OXFORD

FIND JOURNAL BY TITLE, SUBJECT, OR ISSN

BROWSE SUBJECTS

Arts and Humanities



Biological Sciences



Biomedical and Health Sciences



Business and Economics



Earth and Environmental Sciences



Engineering and Technology



History



Browzine

- For journals from 2005 onwards
- Check SOLO for previous content



BOOKS (OFTEN
CHAPTER LEVEL
INDEXING)



JOURNALS



CONFERENCES



PATENTS



GREY
LITERATURE

Bibliographic databases

The slide features a dark grey background on the left side with several paper airplanes. One yellow paper airplane is positioned in the center, with a white line extending from its tail to the left edge of the frame. On the right side, there are decorative elements including a large blue circle and several light grey circles of varying sizes.

Content on databases

- Mostly peer-reviewed
 - Selected before being added to the database
 - Indexed by subject specialists
 - Keywords assigned to each paper
-

1

Search

- Search for any topic, author or publication

2

Employ

- Employ a wide range of advanced search tools

3

Offer

- Offer plenty of options to filter, sort and analyse results

Databases features

Finding databases: SOLO Search

Search Scope: Search Everything ▼

Any field ▼ contains ▼ _____

AND ▼ Any field ▼ contains ▼ _____

+ ADD A NEW LINE **↻ CLEAR**

Resource Type
Databases ▼

Language
Any language ▼

Publication Date
Any year ▼

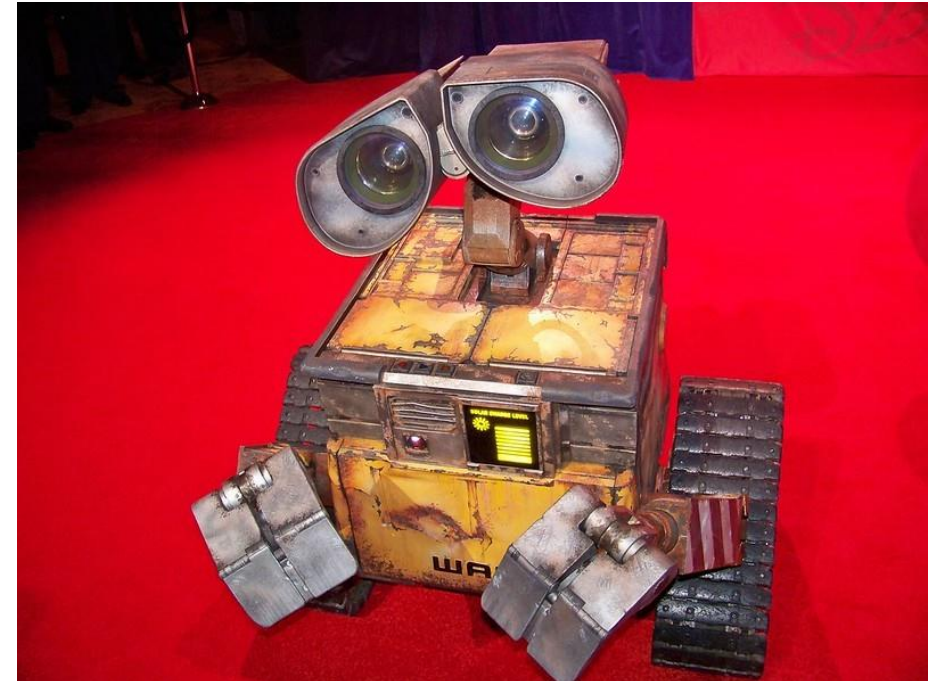
- You can search SOLO for a database by its name
- You can also use Databases A-Z

Planning a search

Research topic:

Where's Wall-e?

Design of a position control system for autonomous vehicles



Breaking down a research topic in concepts

	Concept 1	Concept 2
Keywords	"position control"	"autonomous vehicle"

Activity with padlet – Add alternative terms -

<https://tinyurl.com/TopicKeyword>

	Concept 1	Concept 2
Keywords		



Wildcards and Phrases

Wildcard symbols for word variants:

Truncation:

control* for controls, controller, controlling...

British and American spelling:

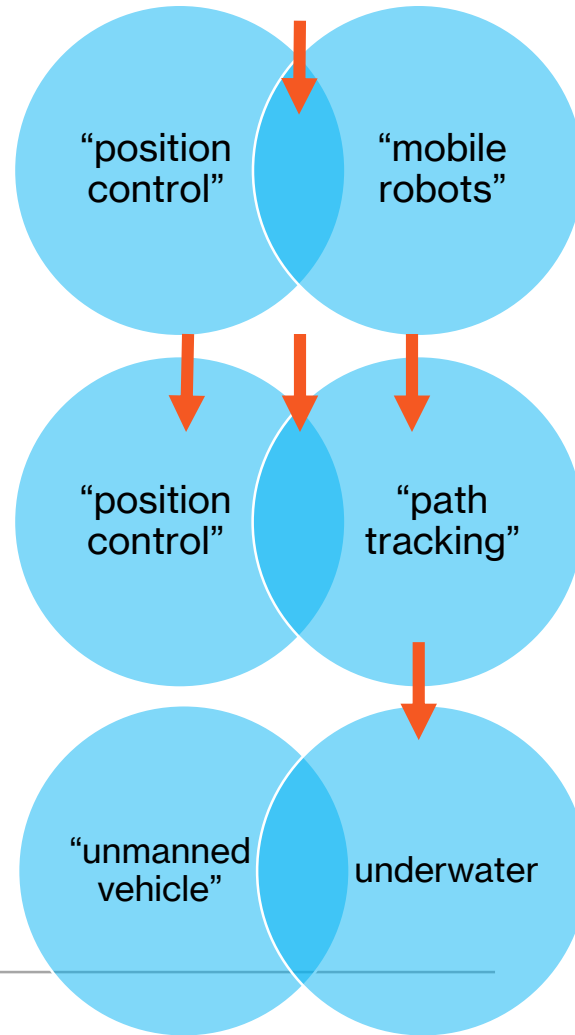
characteri?ation

Phrases:

“position control*”

Boolean commands

- **AND** – includes
- **OR** – broadens out
- **NOT** – excludes



Boolean operators

OR: synonyms and keywords for the same concept:

"Position control*" **OR** "path tracking"

AND: different concepts:

"Position control*" **OR** "path tracking"

AND

("Autonomous vehicle*" **OR** "Mobile robots")

Live Demo: Searching databases



Live Demo: Google Scholar

Great when unsure about article details or journal abbreviations.

We'll cover

- Setting up the Find it@Oxford link
- Google Scholar Button



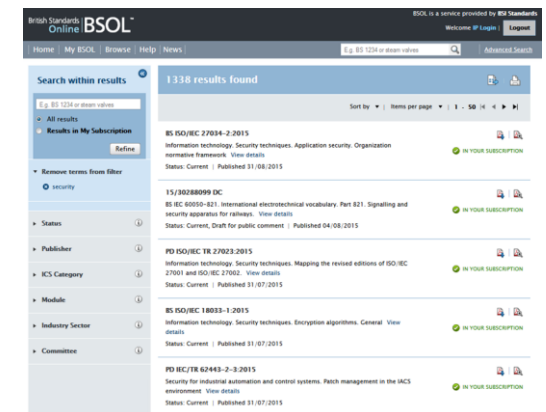
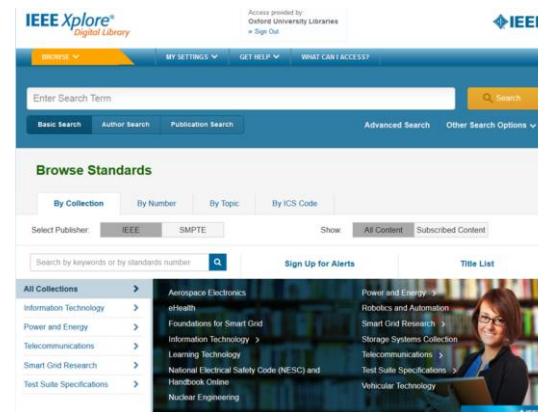


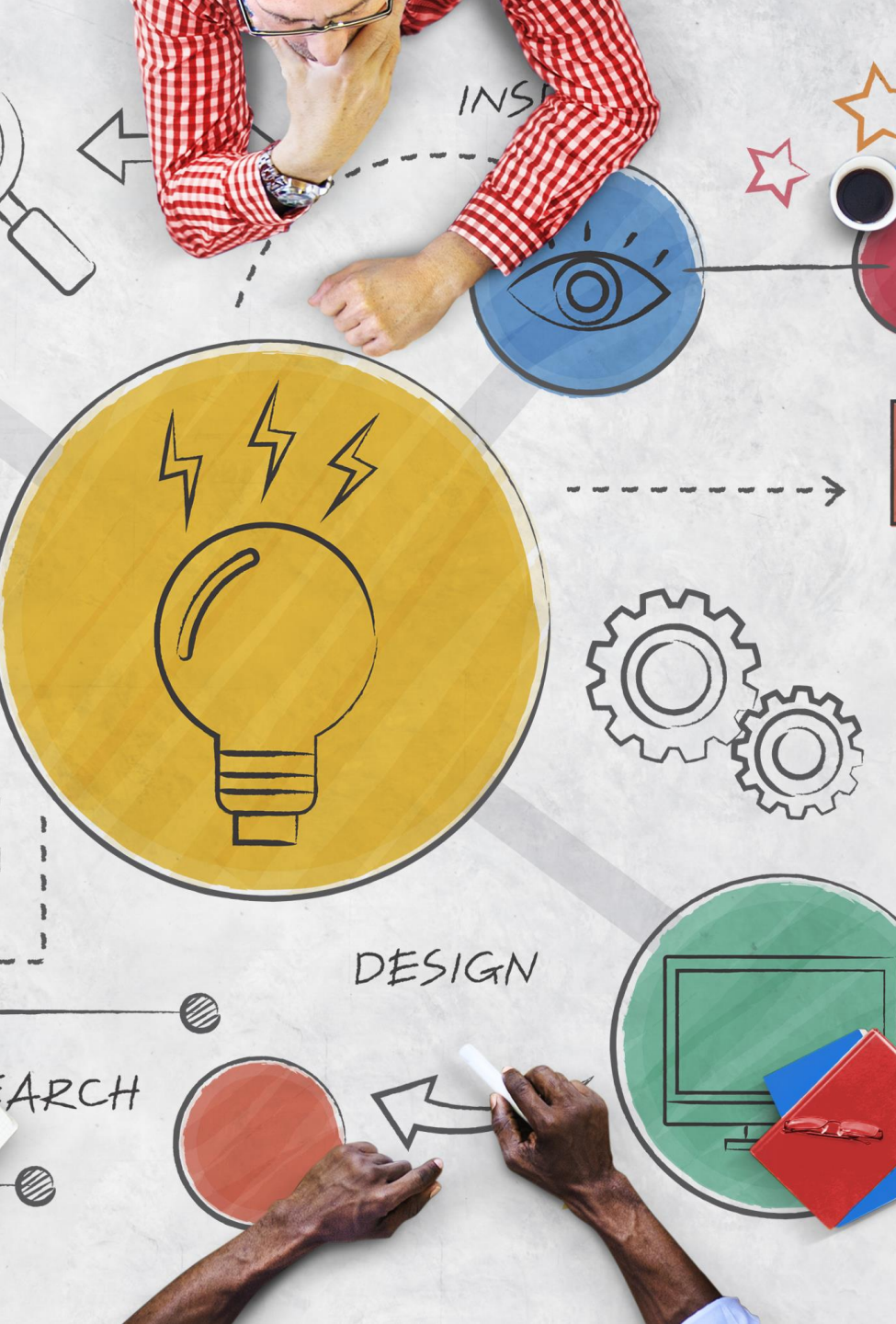
Useful databases for specific subjects

- IEEE Xplore
 - ACM Digital Library
 - SPIE Digital Library
 - Find more relevant databases on your Subject LibGuide
-

Standards

- British Standards Online
 - BS, BS ISO, BS EN and PAS standards
 - [OU VPN](#) needed when off-campus
 - FileOpen plug-in required
 - [BSOL Research Guide](#)
- ASTM Standards
- IEEE Standards





Patents

- [Intellectual Property Office: About patents \(GB\)](#)
 - [World Intellectual Property Organization \(WIPO\)](#)
 - <https://libguides.bodleian.ox.ac.uk/patents>
-

Theses

Oxford: [SOLO](#) & [ORA](#)

Non-Oxford: [EThOS](#),
[DART-Europe](#)

Worldwide: [Proquest
Dissertations and Theses
Global](#)



Finding open access material



[ORA – Oxford University Research Archive](#)

[CORE \(COnecting REpositories\)](#) - open access content from the UK and worldwide repositories

[BASE \(Bielefeld Academic Search Engine\)](#) - 60% of the indexed documents are accessible for free

Finding pre-prints



[ArXiv](#) - physics, mathematics, computer science, electrical engineering and systems science



[OSF Preprints](#): - all subjects



Find out more on OA material and preprints in the [Tools and Resources section of the Open Access website](#)

Open Access resources

[DOAJ: Directory of Open Access Journals](#)

[Open Access Training](#)

For any questions on Open Access contact
openaccess@bodleian.ox.ac.uk



Is there something we don't have in Oxford?

- If you can't access the electronic version :
 - Do we have the print version?
 - Talk to your subject librarian
 - Interlibrary loan

More information is available on the [Bodleian Interlibrary loan webpage](#)

The background is a dense, overlapping collage of colorful sticky notes in shades of blue, green, yellow, pink, and purple. Each sticky note features a large, bold, black question mark. A semi-transparent dark grey horizontal band is positioned across the middle of the image, containing the word "Questions?" in a white, bold, sans-serif font. On the right side of the image, there are several white circles of varying sizes and one solid blue circle, all partially overlapping the sticky notes.

Questions?

Thank you! If you have questions, contact your Subject Librarian

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- **LibGuide:**

<https://libguides.bodleian.ox.ac.uk/engineering>

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