Faculty of Physical & Applied Sciences Postgraduates

Library Information Resources

2013/2014
What we will be doing today

- Exploring LibGuides@Southampton
- Researching the academic literature
- Finding full text and managing references
- Keeping up to date
Exploring LibGuides@Southampton
Welcome to LibGuides@Southampton

Welcome

Quick Links
- WebCat
- DelphiS
- TDNet
- ePrints Soton
- FAQ
- Contact Us

Getting Started
New to the Library? Here's the info you need to get started using us...
- Getting Started LibGuide

Website Links
- University of Southampton Library
- The official website for the University of Southampton Library

Library News
- Introducing LibGuides and DelphiS: two new library services
- Loan loan renewal

About Us
- Academic Liaison by Admin Library
- Accessibility and the Library by Admin Library
- Getting Started by Admin Library
- Library Sites by Admin Library
- Opening Hours by Admin Library

Library Sites
- Avenue Library by Avenue Library Admin
- Hartley Library by Hartley Library Admin
- Health Services Library by Health Services Library Admin
- National Oceanographic Library by National Oceanographic Library Admin
- WSA Library by Winchester School of Art Library Admin
Catalogues

- WebCat – on-line catalogue of books, journals, conference proceedings, theses and other material held by University of Southampton

- COPAC - the combined catalogue of major UK university libraries
Get together in pairs for 10 minutes and use LibGuides@Southampton and WebCat to answer the questions given on the handout
Encyclopedias  Dictionaries  Reviews

General/background

Reference works  Books  Textbooks

Practical/useful data

Handbooks  Standards

Detailed/original research

Data tables

Journal articles, Conference papers, Patents, Theses
Research information needs to be:

- High quality – peer reviewed
- Up to date
- Relevant

Discovered through a comprehensive literature review
Access to Resources
Databases and Indexes

- up to date information from peer reviewed publications
- well indexed enabling detailed searching
- contain abstracts of the articles retrieved
- may to link to full text where available
- coverage can include conferences, reports, books, theses
Searching techniques

- Devise a search strategy:
  - Look at your own ‘search statement’ or project topic and devise a search strategy by selecting relevant keywords or concepts
  - Break down topic into components
  - Identify keywords, synonyms, alternative spellings & related terms
  - List relevant headings
  - Then... put the search strategy into practice in the different databases and compare the results
Anatomy of a literature search

1. Create a search strategy
2. Identify relevant databases
3. Conduct a search
4. Check results for relevance

Changes to search strategy needed?

Obtain the items from library resources
Searching techniques

- **Boolean logic**: AND, OR, NOT
- **Truncation and wildcards**: Symbols vary e.g. electron*
- **Phrase searching**: Enclose in quotes “black body radiation”
Refining your search

- New search strategy with revised concepts and keywords
- Narrow your initial search using the ‘Refine’ options on the search screen
Finding the documents

- Full text links from databases (may not have a subscription)

- TDNet link (information on UoS holdings)

- WebCat – print and electronic holdings of books, journals, conferences reports and theses
Exceptions

- **Items not individually catalogued**
  - Patents/ BSI/IEC standards
  - IET/IEEE conferences and standards (IEEEEXplore)

- **Items not in UoS Libraries**
  - Inter-Library Loan (ILL)
  - Free material e.g. NASA Technical Reports
<table>
<thead>
<tr>
<th>Subjects A - E</th>
<th>Subjects E - M</th>
<th>Subjects M - Z</th>
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<tbody>
<tr>
<td>Aerospace and Mechanical Engineering &amp; Ship Science by Michael Whitton - Last Updated Sep 8, 2013</td>
<td>English by Clare Hemings - Last Updated Sep 5, 2013</td>
<td>Newspaper Resources by Harry Gibbs - Last Updated Sep 17, 2013</td>
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<tr>
<td>Ageing/Gerontology by John O'Hagan - Last Updated Sep 18, 2013</td>
<td>Resources for English</td>
<td>0 views this year</td>
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<tr>
<td>Anthropology by John O'Hagan - Last Updated Sep 18, 2013</td>
<td>Resources for Film</td>
<td>22 views this year</td>
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<tr>
<td>Applied Linguistics by Kate Walker - Last Updated Sep 9, 2013</td>
<td>Finding Data &amp; Statistics by Harry Gibbs - Last Updated Sep 17, 2013</td>
<td>83 views this year</td>
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<tr>
<td>Archaeology by Pam Wake - Last Updated Sep 19, 2013</td>
<td>Geography and Environment by Dorothy Syatt - Last Updated Sep 15, 2013</td>
<td>50 views this year</td>
</tr>
<tr>
<td>Art &amp; Design by Clare Hemings - Last Updated Sep 5, 2013</td>
<td>Health Sciences by Susan Dawson, Vicky Fenerty, Nicola Hunt, Paula Sands - Last Updated Sep 15, 2013</td>
<td>This is a guide to the key resources for Healthcare Science, Midwifery, Nursing, Occupational Therapy, Physiotherapy, Podiatry and Rehabilitation. 754 views this year</td>
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<tr>
<td>Biological Sciences by Linda Robertson - Last Updated Sep 19, 2013</td>
<td>History by Nick Graffy - Last Updated Sep 10, 2013</td>
<td>173 views this year</td>
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<tr>
<td>Chemistry by Isabel Stark - Last Updated Sep 19, 2013</td>
<td>Law by Joy Casey - Last Updated Sep 19, 2013</td>
<td>This guide is designed to help you find quality sources and get the best results from them 121 views this year</td>
</tr>
<tr>
<td>Library resources for Chemists</td>
<td>Management and Marketing at WRA by Clare Hemings - Last Updated Sep 5, 2013</td>
<td>Resources for Marketing &amp; Management students based at WRA 18 views this year</td>
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<tr>
<td>Computer Science and Electronics (ECS) by Fiona Nichols - Last Updated Sep 9, 2013</td>
<td>Mathematical Sciences by Michael Whitton - Last Updated Sep 11, 2013</td>
<td>320 views this year</td>
</tr>
<tr>
<td>Cope Collection, Special Collections by Jenny Ruthven - Last Updated Sep 12, 2013</td>
<td>Medicine by Ric Paul, Linda Robertson, Paula Sands - Last Updated Sep 15, 2013</td>
<td>This guide is designed to everyone - from new students to research staff - in the Faculty of Medicine, and anyone else who needs to use medical information resources. 574 views this year</td>
</tr>
<tr>
<td>Criminology by John O'Hagan - Last Updated Sep 18, 2013</td>
<td>Modern Languages</td>
<td>0 views this year</td>
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<tr>
<td>Economics by John O'Hagan - Last Updated Sep 18, 2013</td>
<td>2 views this year</td>
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<tr>
<td>Education by Kate Walker - Last Updated Sep 17, 2013</td>
<td>68 views this year</td>
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<tr>
<td>Electronics and Computer Science (ECS) by Fiona Nichols - Last Updated Sep 19, 2013</td>
<td>0 views this year</td>
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<td>0 views this year</td>
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Select from the drop down box for the list of databases available on the Web of Science Platform.
2nd Break

Carry out the searches in Exercise 1 and then follow the links through to the search results as outlined in Exercise 2. Try the Author search in Exercise 3.
Managing the material

- Save search histories
- Download relevant material (ensuring you comply with copyright)
- Export references to bibliographic software
- Reference consistently and with the system recommended by your Academic Unit
Advanced searching techniques

- Citation searching
- Controlled vocabulary (thesaurus)
- Limiting
Citation Searching

Earlier articles

More recent articles

Key paper

Articles referenced in key paper

Articles referencing key paper
Web of Science has a useful citation linking feature. Click here to see article details.
Citing Articles: 17

For: Principled negotiation between intelligent agents: a model for air traffic management ...More

Times Cited Counts
18 in All Databases
17 in Web of Science Core Collection
1 in BIOSIS Citation Index
1 in Chinese Science Citation Database
0 data sets in Data Citation Index
0 publication in Data Citation Index
0 in SciELO Citation Index
View Additional Times Cited Counts

Refine Results

Search within results for...

Databases

Research Domains

SCIENCE TECHNOLOGY

Sort by: Publication Date -- newest to oldest

Select Page

Save to EndNote online

Add to Marked List

Create Citation Report

1. Agent-based flight planning system for enhancing the competitiveness of the air cargo industry
   By: Chan, Chi-Kong; Chow, Harry K. H.; So, Sunny K. P.; et al.
   EXPERT SYSTEMS WITH APPLICATIONS Volume: 39 Issue: 13 Pages: 11325-11334 Published: OCT 1 2012
   Full Text

2. A Review of the Applications of Agent Technology in Traffic and Transportation Systems
   By: Chen, Bo; Cheng, Harry H.
   IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 11 Issue: 2 Pages: 485-497 Published: JUN 2010
   Full Text

3. LONG RANGE AIRCRAFT TRAJECTORY PREDICTION
   By: Magister, Tone
   PROMET-TRAFFIC & TRANSPORTATION Volume: 21 Issue: 5 Pages: 311-318 Published: 2009
   Full Text

   By: Shukla, Sanjay Kumar; Tiwari, M. K.; Son, Young Jun
   Times Cited: 12 (from All Databases)
Controlled (Thesaurus) terms

- Terms added to a record taken from a fixed list (thesaurus)
- Searching these makes results more relevant by
  - avoiding concepts mentioned in passing
  - retrieving material containing alternative terms
Limits

Limit by:

- Publication years
- Document type
- Language
Live thesaurus demo – Inspec
3rd break (20 minutes)

- Try the citation search outlined in Exercise 4, or one of your own
- Search a database with a controlled vocabulary/thesaurus
Saved Searches

- Search history
- Saving searches
- Alerts
Select ‘Search History’ to save a search or create an ‘alert’
Create your own account to ..
To save searches and create alerts set up an account.
4th Break

- Set up an account on one of the databases you have been using
- Perform a search and then create a search alert
Library Deskside Training

Information and online booking for the Library Deskside Training service.

Last Updated: 30 Sept 2013
URL: http://library.soton.ac.uk/library-deskside-training

Who is eligible to use this service?

The deskside training service is available to staff (University, NHS and NERC) and research postgraduates only.

If you are an undergraduate or taught postgraduate student, please contact your Academic Liaison Librarian directly if you need help with library resources. Contact details are available on your LibGuide at Southampton.

Make an appointment

Apply for your deskside training sessions online:
- To make a request for training, complete your booking form - you should receive a reply within two working days

Inquiries and getting help:
- email library.deskside@soton.ac.uk

What do we cover?

We aim to provide training on a wide range of information resources useful to researchers, such as:
- Bibliographic databases
- Web of Knowledge
- British Humanities Index
- MLA
- Scopus
- Web of Science
- ASI
- Science Citation Index
- IST
- setCite
- Current Awareness tools: Zetoc, RSS leads, setting up journal or database alerts
- ePrints and ETheses
- Measure Research Impact: Journal Citation Reports
- Impact Factors, etc
- Reference management software: EndNote, Reference Manager, etc
- eJournals and databases

For some appointments we can offer help online and guide you through resources as you view them onscreen.

Feedback from previous users of the service

"All of my questions were answered allowing me to competently use EndNote for writing my thesis. Knowledge of the system and delivery was very good. Thanks!"

"Really helpful. I think the main thing to say is that one comes away with a much higher level of confidence."

"The session [...] was very helpful. I wish that I had approached her beforehand as she was able to answer all my questions and guide me towards a better way of searching. Many thanks." "I learned a great deal which I can use in my teaching and research activities and pass onto students. Thanks." "I found it very relaxing being able to have a training session in my own working environment and on a one to one basis. I could ask questions relevant to my work and would not have any problems contacting you for assistance in future."

Research Data@Soton Help

Deskside support for researchers and project groups

We offer deskside support for research data management queries. Topics include:

- Long-term data storage
- Data management planning
- Data curation
- Data management and curation
- Research data management
- Data access and sharing
- Data sharing agreements
- Data access agreements
- Data access and sharing agreements
- Data management policies
- Data management plans
- Data management strategy
- Data management guidelines
- Data management practices
- Data management best practices
- Data management training
- Data management workshops
And finally…..

…….for Google addicts!

- **DelphiS**
  - search all UoS library resources in a single search box
  - good starting point
  - not recommended for ‘in depth’ searches

- **Google Scholar**
  - a version of Google which preferentially searches the academic literature
Feedback

- Go to LibGuides@Southampton
- http://library.soton.ac.uk/physics

- Infoskills
  - Useful things for Postgraduates
    - Feedback Form
      - Library Information Skills Feedback Form
Feedback

- Go to LibGuides@Southampton
- http://library.soton.ac.uk/orc
- Infoskills
  - Useful things for Postgraduates
    - Feedback Form
      - Library Information Skills Feedback Form
Feedback

- Go to LibGuides@Southampton
- ECS Infoskills

http://library.soton.ac.uk/ecs
  - Useful things for Postgraduates
    - Feedback Form
      - Library Information Skills Feedback Form