DRILLING THE AQUIFER

ACCESS TO RESEARCH LITERATURE FOR POSTGRADUATE STUDENTS AND RESEARCHERS

CPUT Libraries
This is search passion
Paul Shultz was walking along a Key West marina when he saw what looked like a rotting tomato pounding against the rocks.

The Coast Guard investigator waded into the water to fish out a bright red Nikon camera, small enough to fit in the palm of his hand. Its waterproof plastic case was covered with six months' worth of crusty sea growth, but the camera itself was almost pristine when he found it on May 16.
Turtle continued

• However, clues to tracking down its owner were few. So Shultz decided to test his investigative skills.
• There were photos of two men preparing to scuba dive and a relic settled deep into the sea floor; even a puzzling video clip of splashing water that appeared to have been taken as the camera thrashed around under the control of something that wasn't human.
• Shultz adopted the screen name of "Aquahound" and took his hunt online. He uploaded the images on Scubaboard.com, hoping some diving aficionados could help identify where they were taken.
• Within days, internet sleuths had parsed the pictures and found some clues all pointing to Aruba, a Dutch island off Venezuela's coast.
  There was a plane's tail number - and a search showed the aircraft was in Aruba the day the photo was taken.
  There was a blue-roofed building that searchers pinpointed to the island using Google Earth. And there was a school poster written in Dutch.
• Shultz posted the pictures on Cruisecritic and Aruba.com, and was contacted by an Aruban woman who said she recognised the children in the photos as classmates of her son. She contacted the family, the de Bruins, and the pieces came together.
• That video clip has been seen more than 200,000 times on YouTube
You must want to know
1. INTRODUCTION –

Navigating the information landscape
Present and future

- “HYBRID” SITUATION AT PRESENT
- BOTH PRINT AND ONLINE RESOURCES
- RESOURCE ACCESS MAY BECOME ALMOST TOTALLY DIGITAL – PRINT AS ARCHIVE
- ACCESS MAY WELL MIGRATE FROM PRESENT FIXED RECEIVERS (DESKTOP DELIVERY) TO MORE MOBILE METHODS (iPad/iPhone/e-reader)
- LIBRARIES IN THEIR PRESENT FORM MAY NOT SURVIVE, BUT MAY BE REPLACED BY A FORM OF ACADEMIC AND/OR INFORMATION “COMMONS”
- THE FUTURE IS STILL UNCLEAR
Basically we are all basic

• At postgraduate level one should be able to take charge of one’s literature searches
• Many postgraduates however have information literacy skills which are at first-year level – or worse!
• Start at the beginning, which in our case is the homepage of the Library Service:
  • [http://www.cput.ac.za/library_2/](http://www.cput.ac.za/library_2/)
2. ESTABLISHED PATHWAYS - Always begin at the beginning
What was true fifty years ago remains true today

MOST LITERATURE WILL COME FROM:

• BOOKS

• JOURNALS

• ACCESSED VIA LIBRARY RESOURCES
The catalogue

CPUT Libraries

Basic Search

Type word or phrase: 

Field to search: 

Words adjacent? No Yes

Base to search: CPUT

Search hints:

- If you choose Yes for “Words adjacent,” you can type in the phrase computer programming and the system will understand that you want only records that have the word computer in the phrase programming.

- Lowercase letters will find matches of capitalized words also. For example, computer will find matches for computer, Computer and COMPUTER.

- You may use the Boolean operators AND and OR in your search string. For example, you could type (heart OR cardiac) AND surgery to retrieve all records having heart or cardiac in them, together with the word surgery.

- Use the ? character to find matches that contain portions of words. For example, gun? will retrieve guns, gunns, gunners, gunnery, gunning, etc. In another example, ?ology will retrieve anthropology, archaeology, psychology, etc. The ? character may also be used to find variant spellings. For example, aluminium will find both the American spelling, aluminum, and the British spelling, aluminium.
The database list

Please find a list of electronic resources offered by the CPUT Libraries. Links have been arranged in such a way that you can go to the main search page of each platform or to the individual databases offered on each platform. SAUNET and the INSE databases cover issues relating primarily to the South African content. However, most of the other resources also cover information relating to South African issues.

**CATEGORIES**
- Applied Science
- Business
- Education and Social Sciences
- Engineering
- Health and Wellness Sciences
- Informatics and Design
- General

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**TITLES**
- A to Z (Full Text Journal Titles List)
- AACR Approved Methods
Remote (off-campus) access – use the off-campus link on the left-hand side of the Library homepage
Databases in detail – **EBSCOHost**

Choose Databases | Select another EBSCO service

To search within a single database, click the database name listed below. To select more than one database to search, check the boxes next to the databases and click Continue.

- **Academic Search Premier**
  - This multi-disciplinary database provides full text for more than 4,500 journals, including full text for nearly 3,000 peer-reviewed titles. PDF backfiles to 1975 or further are available for well over one hundred journals, and searchable cited references are provided for more than 1,000 titles.
  - Title List
  - More Information

- **Africa-Wide Information**
  - Africa-Wide Information, produced by NISC South Africa, combines bibliographic databases from around the world to form a multidisciplinary aggregation offering unique and extensive coverage of all facets of Africa and African studies. This includes content from South African journals, African Studies, and African Healthlines, which focuses on all aspects of health relating to Africa and other developing nations. With over 3.5 million citations and abstracts dating back to the 16th century, this resource is essential for those with an interest in African research, and information on and about Africa.
  - More Information

- **Art & Architecture Complete (Trial)**
  - Art & Architecture Complete is a comprehensive bibliographic database that provides cover-to-cover indexing and abstracts for more than 750 academic journals, magazines, and trade publications with full text for over 230 periodicals and 215 books, as well as selective coverage for over 70 publications, and an Image Collection of over 64,000 images provided by Picture Desk and others. The database has been designed for use by a diverse audience that includes art scholars, artists, designers, college students, and general viewers.
  - Title List
  - More Information

- **Business Source Premier**
  - Business Source Premier is the industry’s most used business research database, providing full text for more than 2,300 journals, including full text for more than 1,100 peer-reviewed titles. This database provides full text back to 1985 and searchable cited references back to 1998. Business Source Premier is superior to the competition in full text coverage in all disciplines of business, including marketing, management, MIS, POM, accounting, finance, and economics. This database is provided free of charge as part of the university’s subscription to EBSCOhost.
METALIB

CPUT Libraries
The A-Z list: possibly the most useful database

| A & D Watch | 2005 - 2003 |
| Business & Management | 2003 - 2003 |
| Publisher: Hart Publishing, NU |
| A. Athens Contemporary Art Review | 2006 - 2007 |
| Publisher: Athens Biennial |
| A. A. Mine | 2005 - 2005 |
| Publisher: Great Wall Publishing |
| Subject: Auxiliary Sciences of History -- Biography, Languages, and Literature -- English Literature |
| AAACN viewpoint | 2004 to present |
| Publisher: American Association of Critical-Care Nurses |
Other academic catalogues
Inter-library loans and research support at CPUT

- Inter-library loan department (ILL)
- Research Directorate (Cape Town campus)
- Centre for Postgraduate Studies (CPGS) at Bellville with representation at Cape Town
3. **NEW DIRECTIONS:**

Before the beginning: “*pre-search*”

“Pre-search” is a term which is used to describe information-gathering prior to serious searching. This could mean using Google and Wikipedia to establish what is available, by whom, and where. Basic subject orientation and defining terms can also be seen as a “pre-search” activity.
The most important aspect of searching begins in the mind, before any action is taken.

Consider your search strategy carefully – see the “Search guide” in the “Postgraduate research support” section on the Library webpage.

CPUT Libraries
Evaluation – a checklist: but there’s much more to it

Authority
Publisher
Online address
Referenced
Suitability
This can be your best friend – but use with care!
SCOPUS – and an example of what causes technology rage

Thank you for visiting the Scopus site (www.scopus.com).

In order to install system enhancements, this site is temporarily unavailable.

We apologize for the inconvenience.
Use “alerting services” (there are many online) to find useful resources.
Another “alerting” service
This is an established resource – but it is still growing rapidly
Having found new resources – monitor them and note changes
The Library’s RISC centre produces regular “Research Notes” which highlight new resources.
There are many information resources online, in different formats – some more obscure than others.
Citation tracking

Chart contains no journals

To add journals, use the Search box the left of the graph.
Add journals from the search results by double-clicking, select and enter,
or by dragging and dropping to the right.
More citation tracking

**snip & sjr**
**a new perspective**
in journal metrics

**View SNIP & SJR values**

**01 A new perspective**

As publishing and research trends change, the tools used to measure them must also change. The use of journal metrics by journal editors and research institutions becomes more complicated every day. Scholarly publishing can no longer rely on a single metric to serve all of its needs.

SNIP and SJR offer the value of context in the world of citations.

The tools:
- Apply to nearly 18,000 journals, proceedings and book series
- Are refreshed twice per year to ensure currency of metrics
- Eliminate the risk of manipulation
- Correct for citation behaviors and database coverage
Referencing

Use the guides at the “Postgraduate research support” section of the Library webpage. The Library has acquired referencing software – follow the “Refworks” link of the Library webpage.
The Journal Impact Factor is taken from Journal Citation Report (JCR), a product of Thomson ISI. JCR provides quantitative tools for evaluating journals. The impact factor is one of these; it is a measure of the frequency with which the "average article" in a journal has been cited in a given period of time. The impact factor for a journal is calculated based on a three-year period, and can be considered to be the average number of times published papers are cited up to two years after publication. For example, the impact factor 2009 for a journal would be calculated as follows:

- A = the number of times articles published in 2008-9 were cited in indexed journals during 2010
- B = the number of articles, reviews, proceedings or notes published in 2008-9

\[
\text{Impact factor 2010} = \frac{A}{B}
\]

(Note that the impact factor 2009 will be actually published in 2010, as it could not be calculated until all of the 2010 publications have been received. Impact factor 2010 will be published in 2011)
Searching for South African theses and dissertations – the National ETD Portal
Another resource for searching South African theses and dissertations
Searching international theses and dissertations
Another resource for searching international theses and dissertations
Searching international theses and dissertations using Library database - Proquest

ProQuest

Basic Search - ProQuest - Windows Internet Explorer

Basic Search

Database: Interdisciplinary - Dissertations & Theses
Date range: All dates

Search Tips

Select multiple databases

More Search Options

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ProQuest Services

This information is brought to you by CPUT Libraries

CPUT Libraries
International theses and dissertations – a Swedish example
Use subject experts
Use good academic libraries: investigate their subject (and other) resources
University of Edinburgh – no longer the “Library”, but part of “Information Services”
Portals and gateways

CPUT Libraries
Conference tracking

Held on an annual basis across the world, there are presently fifteen conferences in the series. Information is available on current conferences, as well as previous and future conferences.
Conference resources

CPUT Libraries
Patents: an underrated resource
Repositories

OpenDOAR

The Directory of Open Access Repositories - OpenDOAR

Search for repositories | Search repository contents | List of repositories | Repository Statistics

OpenDOAR is an authoritative directory of academic open access repositories. Each OpenDOAR repository has been visited by project staff to check the information that is recorded here. This in-depth approach does not rely on automated analysis and gives a quality-controlled list of repositories.

As well as providing a simple repository list, OpenDOAR lets you search for repositories or search repository contents. Additionally, we provide tools and support to both repository administrators and service providers in sharing best practice and improving the quality of the repository infrastructure. Further explanation of these features is given in a project document Beyond the list.

The current directory lists repositories and allows breakdown and selection by a variety of criteria - see the Find page - which can also be viewed as statistical charts. The underlying database has been designed from the ground up to include in-depth information on each repository that can be used for searching, analysis, or underpinning services like text-mining. The OpenDOAR service is being developed incrementally, developing the current service as new features are introduced. A list of Upgrades and Additions is available.

Developments will be of use both to users wishing to find original research papers and to service providers like search engines or alert services which need easy-to-use tools for developing tailored search services to suit specific user communities.

The importance and widespread support for the project can be seen in its funders, led by the Open Society Institute (OSI), along with the Joint Information Systems Committee (JISC), the Consortium of Research Libraries (CURL) and SPARC Europe.

OpenDOAR has also been identified as a key resource for the Open Access community (K.B. Oliver & R. Swain, 2006 - PDF), and was one of the services which contributed to SHERPA being awarded the SPARC Europe Award for Outstanding Achievements in Scholarly Communications.

More information on the project is available on this site through the About page.

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CPUT Libraries

Cape Peninsula University of Technology
Remember that it is not only libraries that have repositories
Digital Knowledge – CPUT’s own repository

The open access repository is a service of the Cape Peninsula University of Technology Libraries. Research and scholarly output included here has been selected and deposited by the library or individual university departments and centres on campus.

For information about copyright permissions for journal articles check: http://www.sherpa.ac.uk/somepl.

For further copyright information read the Copyright Information Guide by the Publishers Association of South Africa.
There are many ways to search blogs
Searching online forums

[Image of a computer screen showing a search for "autoimmune" on a forum website.]
Open Access

Directory of Open Access Journals

Welcome to the Directory of Open Access Journals. This service covers free, full text, quality controlled scientific and scholarly journals. We aim to cover all subjects and languages. There are now 5047 journals in the directory. Currently 2081 journals are searchable at article level. As of today 397135 articles are included in the DOAJ service.

Support the development and operation of DOAJ. Sign up for membership - go to the membership page.

We are very thankful for the support from those of you who have already decided to become DOAJ members. See the list of members.

Browse by title
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Browse by subject

- Agriculture and Food Sciences
- Arts and Architecture
- Biology and Life Sciences
- Business and Economics
- Chemistry
- Earth and Environmental Sciences
- General Works
- Health Sciences
- Languages and Literatures
- Law and Political Science
- Mathematics and Statistics
- Philosophy and Religion
- Physics and Astronomy
- Science General
- Social Sciences
- Technology and Engineering
Social (academic) networking – citeulike is a good example
So is Academia.edu

About Academia.edu

meet the team

Richard Price
Chief Executive Officer

Richard is a Fellow of All Souls College, Oxford, where he has recently completed his PhD on the philosophy of perception.

Follow Richard's work.

Ben Lund
Chief Technology Officer

Since Ben graduated from Cambridge University in 1999, he has worked for a major academic publisher and as an independent web developer. He has built many web applications for academics and medical professionals.

Follow Ben's work.

Jacques Pretorius
Chief Creative Officer

Jacques graduated with a Bachelor of Science in Web Design and Interactive Media from the Art Institute of California - San Francisco. He is in charge of making the user interface on Academia.edu look as good as it works.

Follow Jacques's work.

Josh Fleming
Senior Engineer

Josh graduated in Computer Science from the University of Alabama at Birmingham. Josh designed and developed Camadel, a question-and-answer application for scientific questions. Prior to that he built a data visualization system to display real-time energy data coming from windmills on wind farms.

Follow Josh's work.
New information channels?
Working with researchers

• You know what they want, right?
• Wrong! You don’t know – ASK THEM
• You know how they should search?
• NO YOU DON’T – they do, BUT they need guidance in a collaborative NOT a prescriptive, manner
• COOPERATE with your researcher, don’t presume to lead!
Use information experts

A single example: search “Karen Blakeman” on Slideshare.net and view her search presentations.
Stay on the cutting edge

- Use alerting services – as noted above
- Keep an eye on relevant blogs [Phil Bradley]
- Read relevant online literature [D-Lib]
- Find current presentations [Zillman]
- Be aware of relevant governmental and organisational reports [JISC]
“Cooler as ekke” – flash drive or floppy?
University College Dublin on “Second Life”
There is no guarantee that *(traditional)* libraries will survive the next few decades – and the librarians?
“And miles to go before I sleep.” (Robert Frost, 1922)

This presentation covers only an introduction to information searching, the first step of what can either be a long and fascinating journey – or a boring trip. Are we there yet?
LONG LIVE THE BOOK!
Contact and/or visit:

*Research Information Support Centre (RISC)*

CPUT Libraries

- Bellville
- Cape Town