

Computer Science library information resources

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Session aims

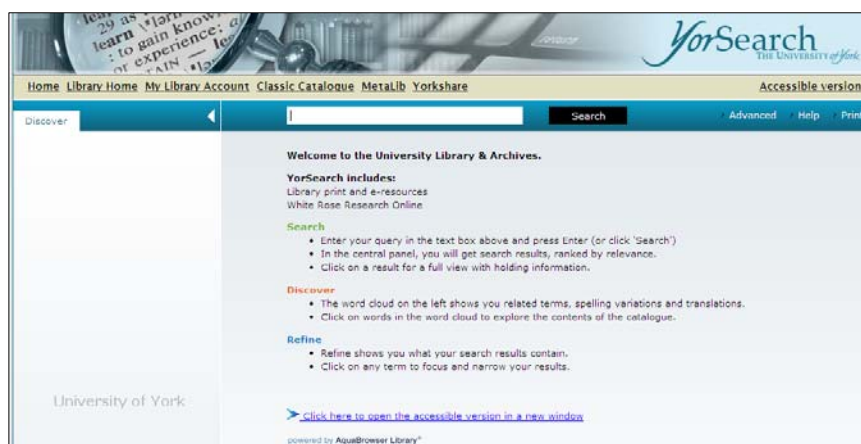
After today you should:

- ▶ be aware of a range of resources
- ▶ be able to select appropriate resources to use
- ▶ understand the various access routes
- ▶ know some effective searching techniques

Electronic resources – web search engines and subject gateways

- ▶ Web search engines
 - Google, Google Scholar (now with links to the Library's electronic holdings), All the Web etc.
 - accuracy and authenticity concerns
- ▶ Internet subject gateways
 - specialise in subject related information
 - only authoritative material indexed
 - [*Intute: Science, Engineering and Technology via INTUTE*](#)
 - links to this and many other web resources from the *Subject Resources* area on the Library home page

Electronic resources – YorSearch



YorSearch – Advanced search

YorSearch
The University of York

Home Library Home My Library Account Classic Catalogue Metalib Yorkshare

Advanced

Search with:

Title

Author

Resource Type

Subject

Publisher

Series

Publication year

The results must match:

☒ All fields ☐ One or more fields

Search Reset

Welcome to the University Library & Archives.

YorSearch includes:

Library print and e-resources
White Rose Research Online

Search

- Enter your query in the text box above and press Enter (or click 'Search')
- In the central panel, you will get search results, ranked by relevance.
- Click on a result for a full view with holding information.

Discover

- The word cloud on the left shows you related terms, spelling variations and translations.
- Click on words in the word cloud to explore the contents of the catalogue.

Refine

- Refine shows you what your search results contain.
- Click on any term to focus and narrow your results.

[Click here to open the accessible version in a new window](#)

powered by AquaBrowser Library™

YorSearch – Searching for a book

Discover

Harrison Computers

Search

Advanced Help Print

Results 1 - 10 of 40 for Harrison Computers, sorted by: relevance

Book

People and computers
designing for usability : proceedings of the Second Conference of the British Computer Society, Human Computer Interaction Specialist Group, University of York, 23-26 September 1986; edited by M.D. Harrison, A.F. Monk.
British Computer Society, 1986, M.D. Harrison, ...

Year: 1986
Series: British Computer Society Workshop series
Subject: System design, Computers, Human engineering, Congresses, Design and construction
Found: computers (2) Harrison (2) computer (6)

Book

Data-structures and programming
[by] Malcolm C. Harrison
Malcolm C. Harrison

Year: 1973
Subject: Computer programming, Programming languages (Electronic computers), Data structures (Computer science)
Found: Harrison (2) computers (1) computer (2)

Book

People and computers VII: proceedings of the HCI '92, York, September 1992
ed. by A. Monk, D. Diaper [and] M.D. Harrison
Andrew Monk, Human Computer Interaction Specialist Group, Dan Diaper, ...

Year: 1992
Series: British Computer Society conference series, 5
Found: Harrison (2) computers (1) computer (2)

Select Location

Showing results from:

All locations

Refine

Resource Type

- Book (32)
- Article (4)
- Musical recording (2)
- Monograph (1)
- Proceedings paper (1)

Author or Creator

- Harrison, Michael Douglas (7)
- Harrison, M. D. (4)
- Harrison, Michael D. (3)
- 68 more...

Subject

- Computer science (3)
- Human-computer interaction (2)
- Logic design (2)
- Industrial management -- Data processing (2)
- Software engineering (2)
- 37 more...

Language

- English (32)

Association
Translation
Discovery trail

Spelling variation
Thesaurus term

YorSearch – book details

Discover **Harrison Computers** Search Advanced Help Print

harrisons computer
harrison
research economics
technology science
structure interface
interaction classicks business
birtwistle tony
Harrison Computers
ainsworth joseph
anthony
education theory
machine
industry
application
harrison
compters ordinateur

Association Spelling variation
Translation Thesaurus term
Discovery trail

« Return to result list Next »

Harrison, A.F. Monk

Author: British Computer Society, 1986, M.D. Harrison, Andrew Monk
Series: British Computer Society Workshop series

Export to RefWorks/EndNote

SHRRE

Resource type: Book
Subject: System design -- Congresses
Computers -- Design and construction -- Congresses
Human engineering -- Congresses
Language: English
Publisher: Cambridge, New York, Published by Cambridge University Press on behalf of the British Computer Society
Year: 1986
ISBN: 0521332591
Description: xiii, 650 p. : 24 cm.
General note: Includes index.
Permanent link: <http://yorsearch.york.ac.uk/ABLYork/?itemid=library/marc/aleph000175942>

Click here to place a booking or request

Item availability

Library	Collection	Shelf location	Loan category	Due date	Due time
J.S. Morrell Library	Ordinary	SK 6.9 HUM	Ordinary Loan	Not on Loan	
J.S. Morrell Library	Ordinary	SK 6.9 HUM	1-week Loan	Not on Loan	

YorSearch – Journal search

Advanced

Search with:

Title
Human computer interaction

Author

Resource Type
Journal

Subject

Publisher

Series

Publication year

The results must match:
☒ All fields ☐ One or more fields

Search Reset

Human-Computer Interaction Journal

Author:

Resource type: Journal

Subject: System design -- Periodicals
Electronic journals
Computers -- Psychological aspects -- Periodicals
Human-machine systems -- Periodicals

Export to RefWorks/EndNote

SHRRE

Language: English
Publisher: Mahwah, N.J. Lawrence Erlbaum
Year:
ISSN: 0737-0024
External link: Find it
Permanent link: <http://yorsearch.york.ac.uk/ABLYork/?itemid=library/marc/aleph000218483>

Click here for a summary of journal holdings

Item availability

Library	Collection	Shelf location	Loan category	Due date	Due time
J.S. Morrell Library	External Storage	v.25 no.1(2010-Jan./Mar.)	SK	Non-borrowable	Not on Loan
J.S. Morrell Library	External Storage	v.24 no.4(2009-Oct./Dec.)	SK	Non-borrowable	Not on Loan
J.S. Morrell Library	External Storage	v.24 no.3(2009-Jul./Sep.)	SK	Non-borrowable	Not on Loan

YorSearch – White Rose Repository

The screenshot shows the YorSearch interface with a search for 'Information retrieval'. The left sidebar contains a hierarchical tree of categories including 'report', 'recovery', 'science', 'intelligence', 'multimedia', 'vision', 'database', 'communication', 'engineering', 'Information retrieval', 'datum', 'computer', 'pattern', 'system', 'storage', 'management', 'network', 'recognition', 'software', 'enformation', and 'notify'. The main content area displays a list of search results, each with a document icon, title, authors, year, and found count. The results are filtered by year, with a dropdown menu showing years from 2007 to 2003. The legend at the bottom indicates that black squares represent Association, green squares represent Translation, blue squares represent Discovery trail, orange squares represent Spelling variation, and grey squares represent Thesaurus term.

Document	Year	Found
User requirement elicitation for cross-language information retrieval D. Petrelli, M. Beaulieu, M. Sanderson, P. Hansen	2002	INFORMATION (1) retrieval (1)
Multimedia information retrieval: new challenges in audio visual search (Workshop Report) R. van Zwol, S. Rüger, M. Sanderson, Y. Mosi	2007	INFORMATION (1) retrieval (1)
On the role of user-centred evaluation in the advancement of interactive information retrieval D. Petrelli	2008	INFORMATION (1) retrieval (1)
Which User Interaction for Cross-Language Information Retrieval? Design Issues and Reflections D. Petrelli, S. Levin, M. Beaulieu, M. Sanderson	2006	INFORMATION (1) retrieval (1)
A methodology to allow avalanche forecasting on an information retrieval system R. Purves, M. Sanderson	1998	INFORMATION (1) retrieval (1)
Observing Users - Designing clarity a case study on the user-centred design of a cross-language information retrieval system D. Petrelli, P. Hansen, M. Beaulieu, M. Sanderson, G. Demetriou, P. Herring		

YorSearch White Rose Repository (2)

The screenshot shows the detailed view of the article 'Which User Interaction for Cross-Language Information Retrieval? Design Issues and Reflections'. The left sidebar is identical to the first screenshot. The main content area displays the article title, a link to the eprints, and the authors 'D. Petrelli, S. Levin, M. Beaulieu, M. Sanderson'. Below this, the publication details are listed: 'Wiley InterScience', '2006', and a citation from the 'Journal of the American Society for Information Science and Technology'. The description section provides a detailed overview of the research, mentioning the iterative design of 'Clarity', a cross-language retrieval system for rare languages, and the results of usability tests. The legend at the bottom is also present.

Which User Interaction for Cross-Language Information Retrieval? Design Issues and Reflections

<http://eprints.whiterose.ac.uk/3779/>

Author or Creator: D. Petrelli, S. Levin, M. Beaulieu, M. Sanderson

Publisher: Wiley InterScience

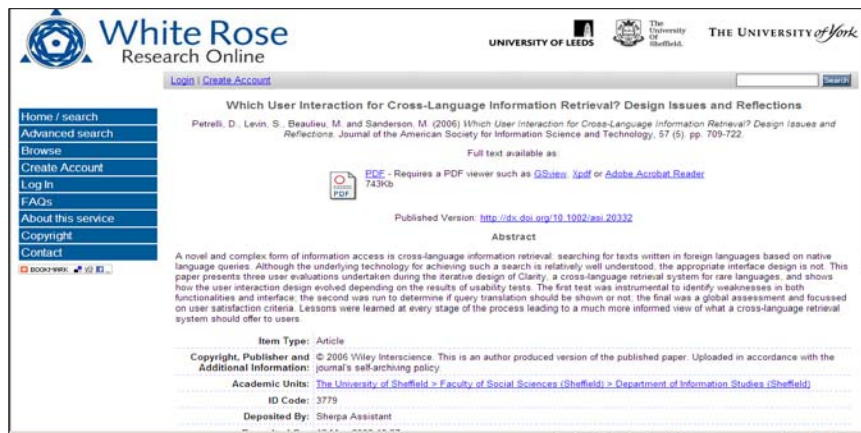
Date: 2006

Citation: Petrelli, D., Levin, S., Beaulieu, M. and Sanderson, M. (2006) Which User Interaction for Cross-Language Information Retrieval? Design Issues and Reflections. *Journal of the American Society for Information Science and Technology*, 57 (5), pp. 705-722.

Descriptions: A novel and complex form of information access is cross-language information retrieval: searching for texts written in foreign languages based on native language queries. Although the underlying technology for achieving such a search is relatively well understood, the appropriate interface design is not. This paper presents three user evaluations undertaken during the iterative design of Clarity, a cross-language retrieval system for rare languages, and shows how the user interaction design evolved depending on the results of usability tests. The first test was instrumental to identify weaknesses in both functionalities and interface.

the second was run to determine if query translation should be shown or not

White Rose – Full text available



The screenshot displays the White Rose Research Online interface. At the top, the logo for White Rose Research Online is visible, along with the logos for the University of Leeds and The University of Sheffield. A navigation menu on the left includes links for Home / search, Advanced search, Browse, Create Account, Login, FAQs, About this service, Copyright, and Contact. The main content area features the title "Which User Interaction for Cross-Language Information Retrieval? Design Issues and Reflections" by Petrelli, D., Levin, S., Beaulieu, M., and Sanderson, M. (2006). Below the title, it states "Full text available as" and provides a PDF icon with the text "PDF - Requires a PDF viewer such as GSView, Xpdf or Adobe Acrobat Reader". The published version is linked to a DOI: <http://dx.doi.org/10.1002/asi.20332>. An abstract is provided, followed by metadata including Item Type (Article), Copyright (© 2006 Wiley InterScience), Academic Units (The University of Sheffield > Faculty of Social Sciences (Sheffield) > Department of Information Studies (Sheffield)), ID Code (3779), and Deposited By (Shepa Assistant).

Searching for journal references

- ▶ Polack, F. (2001) 'A case study using lightweight formalism to review an information system specification' *Software: practice and experience*, 31 (8) pp. 757-780

Electronic resources – e-journals

- ▶ *IEEE Xplore* – Provides access to:
 - All IEEE and IET journals, magazines, transactions and conference proceedings, and all approved and published IEEE standards, excluding drafts.
 - Complete backfiles to 1988
 - Selected content back to 1913
- ▶ ScienceDirect – Full text database.

Electronic resources – e-books

- ▶ Credo reference – digital reference library that includes over 200 searchable and browsable reference books.
Access through reference category in Metalib.
- ▶ Lecture Notes in Computer Science – archive also available.
Access through Computer Science category in Metalib

Electronic resources – theses

- ▶ *Index to Theses* – lists all UK PhD theses and includes an abstract for each. Non-York theses can be obtained via InterLibrary loans
- ▶ *Proquest Dissertations and Theses* – most comprehensive collection of dissertations and theses
- ▶ Access via Reference subject category in MetaLib
- ▶ *EThOS* – Electronic Theses Online Service
 - Available from the British Library

Electronic resources – Bibliographic databases

- ▶ Electronic indexes of published work
- ▶ Examples, INSPEC and Web of Science
 - databases cover different subject areas and materials
 - not limited to the Library's collections
 - always use more than one database!
- ▶ Access via Computer Science subject category in [MetaLib](#)

Some Key Computer Science databases

► Computer Abstracts

Indexes over 200,000 abstracts dating back to 1987.

Covers all major subject areas including:

- Artificial Intelligence
- Communications and networks
- Computer theory
- Database and information systems
- Hardware
- Programming
- Systems organization

Some key Computer Science databases

► Science Citation & Proceedings Indexes (via the Web of Knowledge)

- General Computer Science 1900 – date
- citation searching
- *Proceedings* section for conferences & meetings
- Access using your University of York network username and password

Some Key Computer Science Databases

▶ Zetoc (British Library)

- multi-disciplinary 1993 to date
- Top 20,000 most requested journals from the BL and approximately 16,000 conference proceedings
- includes *Zetoc Alert* current awareness service
- University of York network username and password

Some Key Computer Science Databases

▶ INSPEC

leading abstract publication for information in physics, electronics, electrical engineering, computer science and information technology.

- updated weekly
- 1969–present
- Login using your University of York username and password

Effective Searching

1. Define your topic
2. Plan your searching strategy
3. Search! – indexes, databases, and other sources
4. Review your search results
5. Locate and read the full texts!

Step One: Defining

- ▶ Define your topic by asking:
 - where should I search?
 - are there any areas I am NOT interested in?
- ▶ Think of keywords, synonyms, and related terms
 - background reading
 - own professional knowledge
- ▶ Select your information resources
 - consider subject coverage, authority, and availability

Step Two: Planning

- ▶ Plan out your search on paper
 - easy to keep a record if computers crash!
 - helps clarify your searching strategy
- ▶ Consider the scope of your search
 - full review or answer to a question?
 - what is the time period you are searching within?
 - try a quick simple search
- ▶ Search for synonymous terms
 - use truncation or wildcards as appropriate (e.g. * ?)
 - e.g. col?r will find colour, color (but also coloniser)
 - e.g. comp* will find computer, computers, computing etc

Step Three: Searching

- ▶ Search for your keywords & phrases
 - use logical (Boolean) operators to link terms:
 - OR finds results that contain ANY of your terms
 - AND finds results that must contain ALL of your terms
 - NOT eliminates results that contain UNWANTED terms
 - **thesaurus** or **index** also particularly useful
- ▶ Advanced searches can be phrased in various ways
 - build searches up step by step to avoid simple errors

Step Four: Reviewing

- ▶ When you have some results ask yourself
 - do they answer your question?
 - are they appropriate for your needs and of sufficient quantity AND quality
- ▶ Be prepared to search more than one database for a comprehensive search
 - INSPEC does NOT cover everything you need
 - if you are unsure of which ones to use – ask!
- ▶ Leave enough time to find, and read the full articles!!!

Troubleshooting Searches

- ▶ Too few or no results?
 - are my keywords the right ones?
 - am I using the 'right' database for the subject?
- ▶ Too many results?
 - should I include more specific term(s)?
 - could I eliminate unwanted concepts from my results?

Referencing and citations

- ▶ Use the IEEE style
- ▶ Very important to be consistent in style, do not vary your style within your text or bibliography

Items not held in the Library

- ▶ Remember e-journals
- ▶ Inter-library loans (ILLs)
 - £2 each
 - register for online requests by following the inter-lending link on the library catalogue
 - journal articles – posted photocopies to any address or use electronic delivery to your desktop, books & other materials – loaned
- ▶ Boston Spa minibus on alternate Wed/Fridays
 - Book via the library catalogue.

Ongoing assistance

- ▶ Help is available from Tony Wilson , Liaison Librarian for Computer Science.

aw43@york.ac.uk or ask for me at Help and Information