



Prifysgol Cymru
University of Wales

Y BYD YW EIN CAMPWS
THE WORLD IS OUR CAMPUS

Online Library Guide:



ACM Digital Library

The ACM Digital Library provides full text of every article ever published by the Association for Computing Machinery (ACM). Content includes: journals; conference proceedings; magazines; newsletters, and multimedia titles, plus selected titles from other publishers in computing. It is the industry's leading portal to computing and IT literature.

To access ACM Digital Library:

- Go to the University of Wales [Online Library](#)
- Select *Computing & Information Technology* from the subject menu on the left of the screen
- Go to the "Databases" tab and select *ACM Digital Library* (it will be easier to navigate back to the Online Library pages if you right-click and open the link in a new window or tab)
- If you have not already logged in, you will be prompted to enter your username and password (if you do not have a username and password, please see the [Using the Online Library](#) pages for more information about how to get log in details)
- If your login details are correct, you will then be taken to the home page for *ACM Digital Library* (figure 1)

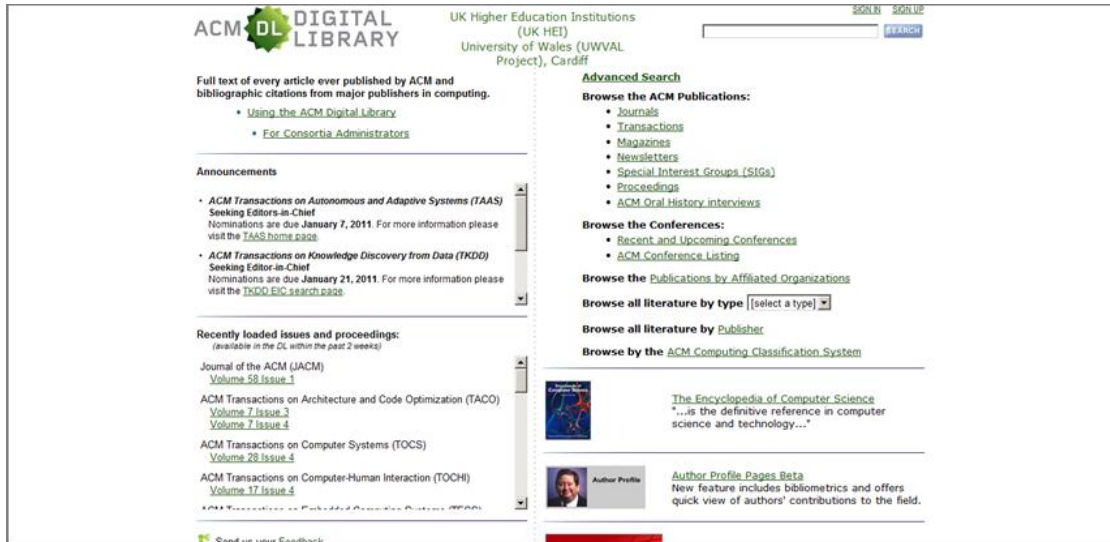


Figure 1

Basic Search:

- To begin searching enter keywords for your topic into the Search box at the top right of the screen (see figure 2)
- Enter terms in lower case, unless they are proper nouns.
- You can search for exact phrases using quotation marks. For example, “distributed computing” will retrieve articles containing the exact phrase distributed computing (see figure 2)

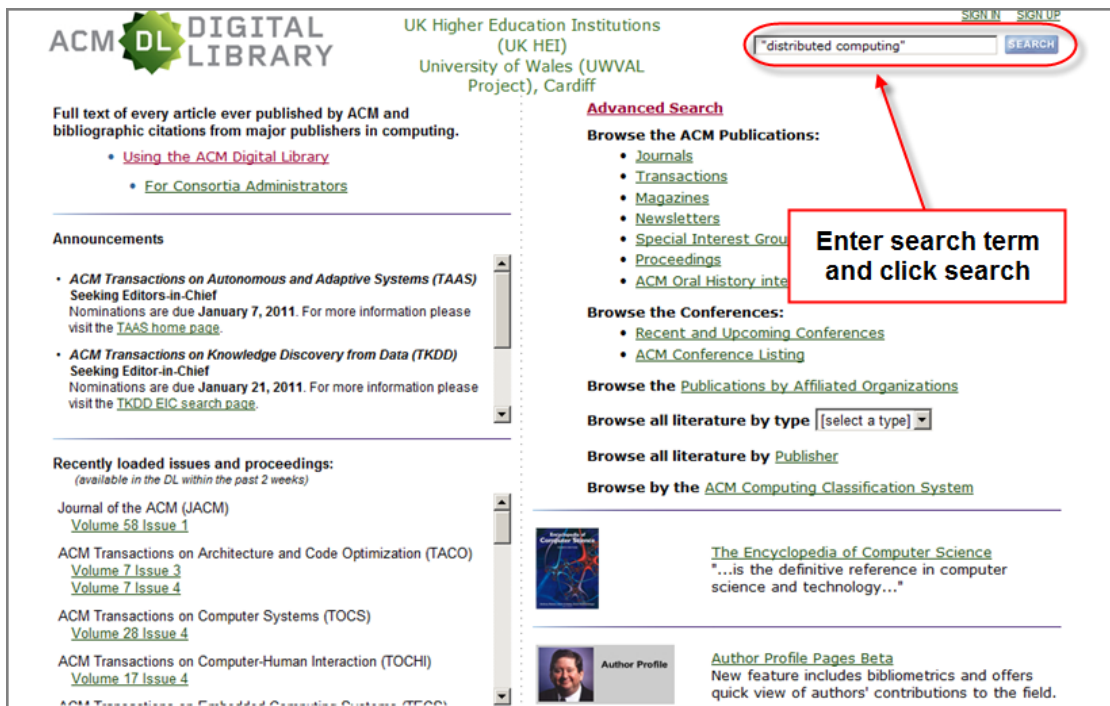


Figure 2

Refine Search:

Use the options on the left of the results screen (figure 3) to refine your search by:

- **People:** names; institutions; authors; editors; advisors; reviewers.
- **Publications:** publication year; publication names; ACM publications; content formats; publishers.
- **Conferences:** sponsors; events; proceeding series.

The screenshot shows the ACM Digital Library search interface. At the top, it says 'ACM DL DIGITAL LIBRARY' and 'UK Higher Education Institutions (UK HEI) University of Wales (UWVAL Project), Cardiff'. The search query is 'distributed computing' and it has found 47,421 results. The left sidebar is titled 'REFINE YOUR SEARCH' and has three main sections: 'Refine by Keywords', 'Refine by People', and 'Refine by Conferences'. The 'Refine by People' section is highlighted with a red box and contains links for 'Names', 'Institutions', 'Authors', 'Editors', 'Advisors', and 'Reviewers'. A red arrow points from a text box to this section. The text box contains the text 'Use the options on the left of the screen to narrow your search results'. The search results list shows three items, with the first one being 'Hundreds of impossibility results for distributed computing' by Faith Fich and Eric Ruppert.

Figure 3

Advanced Search:

The Advanced Search allows for far more flexible search functionality. You can limit your search using a range of option such as:

- **Words or phrases:** search for keywords or phrases by title, abstract or review and search for the names of authors, editors, advisors or reviewers.
- **Publication:** limit your search to specific publications, publishers, publication dates and publication types.
- **Conference:** limit your search to specific sponsor names, sponsor locations and years.

To conduct an advanced search, click on the Advanced Search option on the Digital Library homepage and enter the limits of your search. In the example in figure 4, ACM Digital Library will find all articles with containing the phrase “distributed computing” and the word system written by authors with the name Smith.

ACM DL DIGITAL LIBRARY UK Higher Education Institutions (UK HEI) University of Wales (UWVAL Project), Cardiff [SIGN IN](#) [SIGN UP](#) Advanced Search

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

SEARCH

Words or Phrases
Find [any field] with
all of this text (and) "distributed computing" system
any of this text (or)
none of this text (not)

Names
Find Authors with names smith
using all any none of the names

Keywords
Find author's keywords
using all any none of the keywords

Affiliations
Find company or school
using all any none of the affiliations

Publication
Find publication using all any none of the names
Find publisher using any none of the names
Published since [year] Published before [year]

In publication types Journal Proceeding Transaction Magazine Newsletter

Conference
Find sponsor names using all any none of the names
Find location using any none of the locations
Find year (yyyy) using any none of the years

Identification codes
Find ISBN/ISSN Find DOI

Computing Classification System (CCS)
Find node
Find subject/noun
 Look at primary category only

Required components
Results must have Full Text Abstract Review

SEARCH

The ACM Digital Library is published by the Association for Computing Machinery. Copyright © 2011 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Figure 4

Help:

The ACM Digital Library website features a [Digital Library user guide](#).

Alternatively, if you need help using the database, contact the Online Library Librarian at library@wales.ac.uk.