
CatalogWS

Library Catalog as Versatile Discovery Platform

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Digital Library Initiatives
NCSU Libraries

Outline

- Next Generation OPACs
- Catalog as Discovery Platform
- CatalogWS API
- CatalogWS Applications
- Catalog Research Testbed

Next Generation OPACs

Library OPACs - Hot Topic



Examples - Endeca

NCSU LIBRARIES

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

MY LIBRARY: Library Account | My Course Reserves | My Alerts | RefWorks

Library Catalog

usability

Anywhere


Search

☐ Search within results [Start Over](#)


Expand Your Search

Send search to:

Search

Your Current Search 

Anywhere

'usability' 

Refine Your Search

☐ Currently available

☐ Available online

☐ New titles

☒ **Subject**

Human-computer interaction (86)

User interfaces (Computer systems) (59)

Design (54)

Web sites (40)

Computer software (34) [Show more](#)

☒ **Genre**

Congresses (187)


Results 1 - 10 of 485

[Brief View](#) | [Full View](#)

Sort By: [Relevance](#)


1. Cost-justifying usability : an update for an Internet age

Published: c2005.

Format:  Book

D.H. Hill Library


Stacks (6th floor) QA76.9 .U83 C67 2005 Available



2. Usability : gaining a competitive edge : IFIP 17th World Computer Congress--TC13 stream on usability: gaining a comp...


Author IFIP World Computer Congress (17th : 2002 : Montréal, Québec)

Published: 2002.

Format:  Book


D.H. Hill Library

Stacks (6th floor) QA76.9 .U83 I355 2002 Available




3. Medical instrumentation : accessibility and usability considerations


Published: c2007.

Format:  Book

D.H. Hill Library



Examples - Endeca

**TRIANGLE RESEARCH LIBRARIES NETWORK**
DUKE UNIVERSITY NORTH CAROLINA CENTRAL UNIVERSITY NC STATE UNIVERSITY UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Search TRLN is currently under development
[See known issues and submit comments](#)

SEARCH TRLN

About Search TRLN and Express Delivery Comments Need Help?

[Start Over](#)

☐ Search within results

[NEED HELP?](#)
Click to chat now


Current Search
Search terms:
Search Anywhere: usability
New title alerts via [What's this?](#)

Refine Your Search
▼ **Subject**
Human-computer interaction (124)
User interfaces (Computer systems) (107)
Design (103)
Web sites (85)
Computer software (54)
[Show more...](#)
► **Medical Subject**
▼ **Format**
Book (704)
Online (131)
Software and Multimedia (13)
Microforms (10)
Theses and Dissertations (10)
[Show more...](#)
▼ **Location**


Results 1 - 20 of 604

Sort By:

Cost-justifying usability : an update for an Internet age
Format: Book
Published: Amsterdam ; Boston : Morgan Kaufman, c2005.
Location: NC State Available
 UNC Chapel Hill Available



Usability : gaining a competitive edge : IFIP 17th World Computer Congress--TC13 stream on usability: gaining a competitive edge, August 25-30, 2002, Montréal, Québec, Canada
Author: IFIP World Computer Congress (17th : 2002 : Montréal, Québec)
Format: Book
Published: Boston : Kluwer Academic Publishers, 2002.
Location: NC State Available



Medical instrumentation : accessibility and usability considerations
Format: Book
Published: Boca Raton : CRC Press, c2007.
Location: Duke Available
 NC State Not Available
 UNC Chapel Hill Available



Examples - AquaBrowser

The screenshot displays the Queens Library AquaBrowser interface. At the top, the Queens Library logo and tagline "Enrich your life" are visible. Navigation tabs include Books, Music, Movies, Digital Media, Websites, Articles, and Events. A search bar contains the term "usability", with a "go" button and an "Advanced Search" link. User account links for "My Account" and "My Queens Library" are in the top right.

On the left, a conceptual map shows "usability" at the center, connected to "untouchability", "untestability", "uitability", "interface", and "Untraceability". A legend at the bottom left defines the map's elements: black squares for Associations, green squares for Translations, orange squares for Spelling variants, and blue squares for Discovery trail.

The main content area shows search results for "usability", sorted by relevance. Two results are displayed:


- Security and usability**
designing secure systems that people can use
Lorrie Faith Cranor, Simson Garfinkel
Call number: 005.8 S
Year: 2005
Found: usability (1)
Subject: computer security
- Designing web usability**
Jakob Nielsen
Call number: 005.276 N
Year: 2000
Found: usability (2)
Subject: web sites

Each result includes a small book icon and the word "Book".

On the right, a sidebar offers additional options: "Select Location" (set to "All locations"), "Refine" (with links to Library Catalog, Books, Videos and DVDs, Journals and Magazines, and Music Scores), and "External Sources" (with a login form for Username and Password, and a "Login" button).

At the bottom, a link for "Usability testing for library websites" is visible.

Examples - Primo



LIBRARY SEARCH BETA

[New Search](#) [Tags](#) [AskUs!](#) [Help](#)

[MNCAT Catalog](#) [All Campuses Catalog](#) [Articles](#)

Search for

Look for my query : All items that contain my query words anywhere in the record

[My Preferences](#) [Advanced Search](#)

Hello, Guest
[Sign in](#) To have full access and to keep things. [Why sign in?](#)

e-Shelf


To enter my workspace

Results for **MNCAT: Books & More (Twin Cities)** RSS

119 Results , sorted by: Relevance

Show only: Online Resources (30) Available (111)


1


Book

[Handbook of usability testing how to plan, design, and conduct effective tests \(View details\)](#)
Rubin, Jeffrey, 1949-
Norwood Mass. : Books24x7.com [2005?]


☐ Add to e-Shelf

[Online access \(U of M\) \(Get It \)](#)



2

[Usability testing for library websites : a hands-on guide \(View details\)](#)
Norlin, Elaina.



Refine My Results


Narrow my results by limiting the search to:

Availability:

- > [online resources \(30\)](#)
- > [available \(111\)](#)

Resource Type:

Examples - WorldCat Local



[Off-Campus Access](#) [Ask Us](#) [Your Library Account](#) [Survey - Your Voice Counts!](#)

Home ▾ Search ▾

You are not signed in ([Sign In to WorldCat](#) or [Register](#))

Search for items: [Advanced Search](#)

Search results for 'usability' Sort by:

Refine Your Search

Author
[Canada](#) (29)
[Jakob Nielsen](#) (18)
[Gregory D Abowd](#) (7)
[Steve Krug](#) (4)
[Stephen J Adelson](#) (4)
[Show more ...](#)

Content
[Computer Science](#) (508)
[Engineering & Techno...](#) (175)
[Library Science, Gen...](#) (119)
[Education](#) (98)
[Business & Economics](#) (54)
[Show more ...](#)

Format

Results 1-10 of about 4,487 (.66 seconds) << First < Prev 1 2 3 Next >

[Select All](#) [Clear All](#) **Save to:**

☐ 1. [Designing Web usability](#)
by Jakob Nielsen
Language: English Type: Book
Publisher: Indianapolis, Ind. : New Riders, ©2000.
Held by: University of Washington Libraries

☐ 2. [The trouble with computers usefulness, usability, and productivity](#)
by Thomas K Landauer; NetLibrary, Inc.
Language: English Type: Internet Resource Computer File
Publisher: Cambridge, Mass. : MIT Press, ©1995.
Held by: University of Washington Libraries

☐ 3. [Handheld usability](#)
by Scott Weiss; NetLibrary, Inc.
Language: English Type: Internet Resource Computer File
Publisher: Chichester, West Sussex : Wiley, ©2002.
Held by: University of Washington Libraries

Examples - Solr-powered


The screenshot displays the University of Virginia Library's Blacklight search interface. The header features the library's logo, navigation tabs for 'Entire Catalog' and 'Music', a search bar, and a 'Search' button. A note below the search bar states: 'This is BLACKLIGHT, a research project of the University of Virginia Library.' The main content area shows search results for 'Records 1-10 of 356'. Two results are visible:

- Usability study of user interface design: examining the usability attributes of thegalileo software package**
 - Broad formats: Book
 - Library: Brown sel
 - Call number: Cs
 - Location: Brown science and engineering library stacks
 - Format: Thesis
 - Source: Library catalog
 - Language: English
 - Author: Curwen, sara jane
 - Notes: Computer science
 - Title: Usability study of user interface design: examining the usability attributes of thegalileo software package
- Proceedings on the ... conference on universal usability**
 - Broad formats: Book
 - Library: Uva-lib
 - Call number: Xx
 - Location: Internet
 - Format: Internet
 - Source: Library catalog

On the right side, there is a sidebar with the following sections:

- Applied Filters:**
 - "usability" - remove
 - Remove all filters.
- SOURCE**
 - Library Catalog (356)
- FORMAT**
 - Archives (2)
 - Book (177)
 - Digital Media (2)
 - Document (76)
 - Internet (47)
 - Microform (25)
 - Musical Score (1)
 - Thesis (40)
 - Unknown (7)
 - VHS (2)
 - More...

Examples - Solr-powered



All FieldsFind


[Login](#)

English

Advanced


Showing 1 – 20 of 103 Results for usability

SortRelevance




[Research-based web design & usability guidelines /](#)
Published 2006
Call Number: TK5105.888 .R47 2006 Located: 4th Floor
Available
Book

Add to favorites



[Research-based web design & usability guidelines /](#)
Published 2006
[Get full text here](#)
Book

Add to favorites



[Designing Web sites that work : usability for the Web /](#)
by Brinck, Tom. Published 2002
[Get full text here](#)
Book

Add to favorites

Narrow Search

Format
Book (103)

Author
Nielsen, Jakob, (4)
Cowley, Malcolm, (2)
Landauer, Thomas K. (2)
Badre, Albert. (1)
Bouwsma, William James, (1)
more...

Topic
Web sites (14)
Computer software (7)
User interfaces (Computer systems) (7)
Web site development. (7)
American literature (5)
more...

Subject Area

Next Generation Catalogs

- Modern search options
 - Relevance ranking
 - Faceted search
 - Tag/word clouds
- New content and functionality
 - User contributed content, social features
 - Enriched content (book covers, reviews)
 - Current awareness (RSS feeds)

Next Generation Catalogs

Current “next generation catalog” systems
are largely focused on optimizing a
single discovery context... the OPAC

Question...

Why should the discovery of cataloged library collections be limited to user interaction with a **single catalog application**?

Catalog as Discovery Platform

Platform?

... a **“platform”** is a **system that can be reprogrammed** and therefore customized by outside developers -- users -- and in that way, adapted to countless needs and niches that the platform's original developers could not have possibly contemplated, much less had time to accommodate.

In contrast, an **“application”** is a **system that cannot be reprogrammed** by outside developers. It is a closed environment that does whatever its original developers intended it to do, and nothing more.

— Marc Andreessen, “Analyzing the Facebook Platform, three weeks in”
(http://blog.pmarca.com/2007/06/analyzing_the_f.html)

Discovery Happens Elsewhere

No single website is the sole focus of a user's attention. Increasingly people discover websites, or encounter content from them, in a variety of places. These may be network level services (Google, ...), or personal services (my RSS aggregator or 'webtop'), or services which allow me to traverse from personal to network (Delicious, LibraryThing, ...).

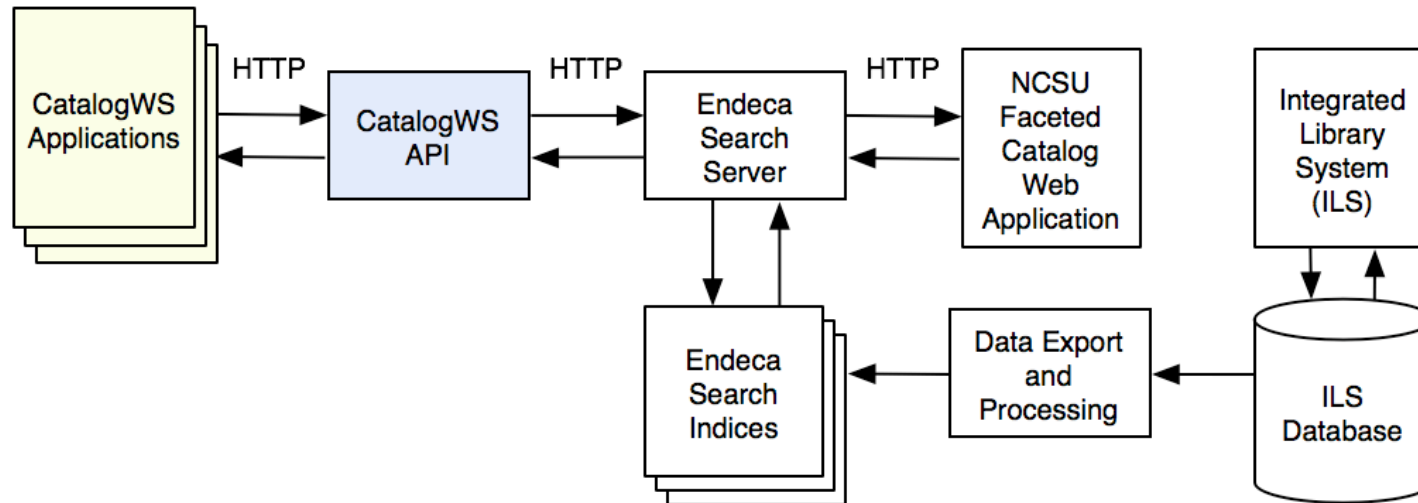
— Lorcan Dempsey, “Discovery happens elsewhere”
(<http://orweblog.oclc.org/archives/001430.html>)

Motivation for Catalog Platform

- Move beyond the “one-size-fits-all” approach to catalog discovery
- Make it easier to reuse and repurpose catalog data outside the ILS/OPAC
- Build catalog interfaces optimized for different use contexts

CatalogWS API

NCSU Catalog Architecture



API Functionality

Technical documentation:

<http://www.lib.ncsu.edu/catalog/ws/>

- **Discovery-oriented**
- Not an API to the ILS!
- Catalog availability
 - Focus on known-item lookup (isbn)
- Catalog search
 - Support known-item and exploratory searching
 - Mimic functionality available on catalog search results page

Example Request (Search)

[http://www.lib.ncsu.edu/catalogws/?
service=search&query=deforestation](http://www.lib.ncsu.edu/catalogws/?service=search&query=deforestation)

Required Parameters

service

- 'availability' | 'search'

query

- Any search terms (including NULL)

Optional Parameters

output

- ['xml'] | 'rss' | 'opensearch' | 'json'

count

- default: 30, max: 300

offset

- default: 0

Optional Parameters

N

- Endeca facet node constraint(s)

sort

- [relevance] | date_desc | date_asc | call_number |
most_popular | date_added

style

- URL of XSL to transform to custom output

XML Response

Discovery-centric:

- Search metadata (e.g. # of results)
- Matching items
 - Basic bibliographic metadata (not MARC)
 - Holdings / Item metadata
- Facet metadata
- Links

```
<requestUri>  
  http://www2.lib.ncsu.edu:9921/catalogws/?service=search&query=  
</requestUri>  
<catalogLink>  
  http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keywor  
</catalogLink>  
<searchInfo>  
  <query>  
    <terms>deforestation</terms>  
    <key>Keyword</key>  
  </query>  
  <totalResults>395</totalResults>  
  <offset>0</offset>  
  <itemsPerPage>30</itemsPerPage>  
</searchInfo>
```

```
<item id="1683670">
  <catalogLink>
    http://catalog.lib.ncsu.edu/web2/tramp2.exe/do_ccl_search/guest?se
  </catalogLink>
  <title>Causes of deforestation of the Brazilian Amazon</title>
  <author>Margulis, Sérgio.</author>
  <pubDate>2004.</pubDate>
  <format>Book</format>
  <isbn>0821356917</isbn>

  <holdings institution="ncsu">
    <library name="D.H. Hill Library">
      <holdingsItem>
        <callNumber>SD418.3 .B6 M27 2003</callNumber>
        <location>Stacks (8th floor)</location>
        <status>Available</status>
      </holdingsItem>
    </library>
    <library name="Natural Resources Library">
      <holdingsItem>
        <callNumber>SD418.3 .B6 M27 2003</callNumber>
        <location>Stacks</location>
        <status>Available</status>
      </holdingsItem>
    </library>
  </holdings>
</item>
```

```
<facet id="topic">
  <title>Subject: Topic</title>
  <catalogLink>
    http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keyword&
  </catalogLink>
  <value>
    <requestUri>
      http://www2.lib.ncsu.edu:9921/catalogws/?service=search&quer
    </requestUri>
    <catalogLink>
      http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keyw
    </catalogLink>
    <title>Deforestation</title>
    <count>205</count>
  </value>
  <value>
    <requestUri>
      http://www2.lib.ncsu.edu:9921/catalogws/?service=search&quer
    </requestUri>
    <catalogLink>
      http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keyw
    </catalogLink>
    <title>Environmental aspects</title>
    <count>73</count>
  </value>
</facet>
```

CatalogWS Applications

CatalogWS Applications

Categories

- Integration with other applications
- Alternative catalog interfaces
- Collection promotion
- Platform for research

QuickSearch

- Website Search Tool
- Combines:
 - Catalog search
 - Journal finder
 - Databases
 - Website search
 - Library FAQs

The screenshot displays the NCSU Libraries QuickSearch interface. At the top, a navigation bar includes links for 'Search the Collection', 'Browse Subjects', 'Services', 'Library Information', 'Community', and 'News & Events'. Below this, a secondary bar shows 'MY LIBRARY' options: 'Library Account', 'My Course Reserves', 'My Alerts', and 'RefWorks'. A search bar at the top right contains the text 'science fiction' and a 'Go' button. The main content area is divided into two columns. The left column, titled 'Library Web', lists various resources related to science fiction, including general databases, specialty research databases, and specific collections. The right column, titled 'Library Catalog', is highlighted with a red border and contains a 'Top titles' section listing books, videos, software, and online resources, followed by a 'Format' section listing different media types. At the bottom of the right column, there is a 'More Search Options' section with links to encyclopedias, scholarly publications, and electronic theses.

NCSU LIBRARIES

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

MY LIBRARY: Library Account | My Course Reserves | My Alerts | RefWorks

- Most Used -

FAQ | Site Index

Search

Search: science fiction

Go

Library Web

Find articles on **science fiction** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Communication & Media, Film Studies, Linguistics, Literature, More...](#)

[Cataloging Science Fiction collection titles: Cataloging ...](#)
... under the broadest term "**Science Fiction**", 655 -7 **Science Fiction**. [2gsafd (the hyphen ... Cataloging **Science** ...
<http://www.lib.ncsu.edu/cataloging/procedures/SciFi.html> - [Cached](#)

[Science Fiction and Fantasy Research Database: NCSU Libra...](#)
... Abstracts FAQ | Site Index Databases: **Science Fiction** and Fantasy Research **Science Fiction** and Fantasy Research ...
<http://www.lib.ncsu.edu/searchcollection/data ... ?database=24225> - [Cached](#)

[Guide to the Richard D. Erlich Collection of Papers about...](#)
... Collection of Papers about **Science Fiction**, 1974-1988 Guide to ...
<http://www.lib.ncsu.edu/findingaids/mc00379/> - [Cached](#)

[Juvenile Spanish language literature: Cataloging procedur...](#)
... Policies and Procedures **Fiction** vs. Non-**Fiction** Cataloger will identify note in ... Premier : Web of ...
<http://www.lib.ncsu.edu/cataloging/procedures ... ileFiction.html> - [Cached](#)

[Literature Collections: Special Collections Research Cent...](#)
... Collection of Papers about **Science Fiction** 1974-1988 MC 00007 Fountain ...
<http://www.lib.ncsu.edu/specialcollections/fi ... literature.html> - [Cached](#)

[Cataloging Guidelines and Procedures: NCSU Libraries](#)
... media from print materials Reproductions **Science fiction** and fantasy materials ... Premier : Web of **Science** ...
<http://www.lib.ncsu.edu/cataloging/procedures/> - [Cached](#)

[Focus Online: Volume 21 number 2: NCSU Libraries](#)
... film studies), John Kessel (English/**science fiction**), Will Kimler (history of ... Premier : Web of **Science** ...
<http://www.lib.ncsu.edu/publications/focusonl ... icles/bugo.html> - [Cached](#)

Library Catalog

Top titles

- [Science fiction : 101, Robert Silverberg's worlds of wonder](#)
- [Science fiction fandom](#)
- [Projections : science fiction in literature & film](#)

[See all 4535 titles](#)

Format

- [Book](#) (4272)
- [Videos and DVDs](#) (178)
- [Software and Multimedia](#) (156)
- [Online](#) (109)
- [Journal, Magazine, or Serial](#) (86)

[More...](#)

More Search Options

Find results for **science fiction** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Scholarly Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

Quick Search

- Top matching titles
- Format facet results
- Links to full catalog search results

Library Catalog

Top titles

- [Science fiction : 101, Robert Silverberg's worlds of wonder](#)
- [Science fiction fandom](#)
- [Projections : science fiction in literature & film](#)

[See all 4535 titles](#)

Format

- [Book](#) (4272)
- [Videos and DVDs](#) (178)
- [Software and Multimedia](#) (156)
- [Online](#) (109)
- [Journal, Magazine, or Serial](#) (86)

[More...](#)

Google Widget

Web Images Video News Maps Gmail more ▼ markuswust@gmail.com | [Classic Home](#) | [My Account](#) | [Sign out](#)

 [Advanced Search](#) [Preferences](#) [Languages Tools](#)

[Home](#) [Add a tab](#) [Select theme](#) | [Add stuff »](#)

NCSU Libraries Catalog

Search the NCSU Libraries Catalog

☐ Only Available Items

☒ All Fields

☐ Title

☐ Author

UNC-Chapel Hill Library Catalog

[WorldCat Search](#)

[Weather](#)

[Ebling Library](#)

[Weld Library District](#)

[UNR Libraries](#)

[POSTECH Library Catalog](#)

[Ann Arbor District Library -](#)

[EconLog: Library of Economics and Liberty](#)

[Arlington Heights Memorial Library](#)

[CNN.com](#)

[Police: Boy admits starting 38,000-acre fire](#)

[Northern California feels 'pretty strong jolt'](#)

[Obama, Edwards target Clinton in debate](#)

Google Calendar

October 2007						
Su	M	Tu	W	Th	F	Sa
23	24	25	26	27	28	29
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

[Add Event](#)

[Gmail](#)

Hennepin County Library Catalog

[Search the CARL Digital Library](#)

[PCC Library](#)

[Southfield Library Catalog](#)

[My Gadgets](#)

[Wellcome Library](#)

[National Science Digital Library](#)

[Washington State Library](#)

[UWA Library Catalogue](#)

[Islamic Library Search](#)

Google News

[Top Stories](#)

[U.S.](#)

[World](#)

[Entertainment](#)

[SciTech](#)

[+](#)

[Clinton Fends Off Debate Attacks on Iran and Iraq \(Update1\) - Bloomberg](#)
By Kristin Jensen Oct. 31 (Blo...
[RTE.ie](#) [all 1,355 news articles](#)

[Los Angeles Fire Started by Boy Playing With Matches, AP Says - Bloomberg](#)
By Jonathan Tirone Oct. 31 (BL...
[Washingtonlo...](#) [all 473 news articles](#)

[Magnitude 5.6 earthquake shakes San Francisco Bay area - San Jose Mercury News](#)
By RON HARRIS AP Writer SAN JO...
[Canada.com](#) [all 756 news articles](#)

[Turkey to Present Its Case on PKK to White House - CNSNews.com](#)
By Patrick Goodenough (CNSNews...
[San Diego...](#) [all 2,258 news articles](#)

[More »](#)

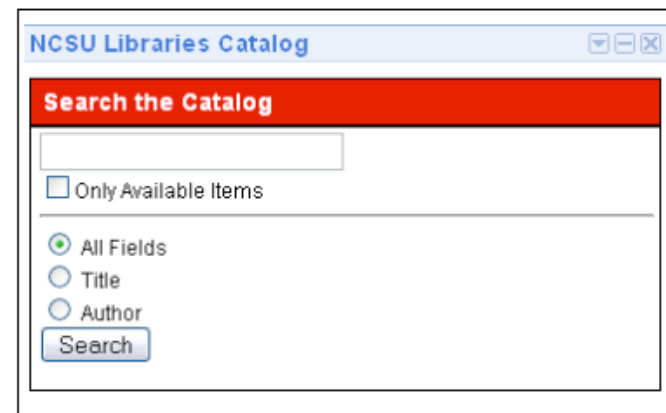
[Create your own gadget](#) and share it with friends.

[Advertising Programs](#) - [Business Solutions](#) - [Privacy Policy](#) - [Help](#) - [About Google](#) - [Mobile](#)

©2007 Google

Google Widget

- Search and display catalog results within iGoogle



NCSU Libraries Catalog

Search the Catalog

☐ Only Available Items

☒ All Fields
☐ Title
☐ Author



NCSU Libraries Catalog

SEARCH 1 - 5 of 4529

[Science fiction : 101, Robert Silverberg's worlds of wonder](#)
D.H. Hill
1 Available
PS648 .S3 R634 2001

[Science fiction fandom](#)
D.H. Hill
1 Available
PN3433.2 .S3 1994

[Projections : science fiction in literature & film](#)
D.H. Hill

MobiLIB Catalog

- Usage scenario: Known-item search on mobile device (smart phone, PDA, ...)
- Bare-bones search interface
- Only one facet: Availability

<http://www.lib.ncsu.edu/m/catalog>

MobiLIB Catalog

Search fields:

- Keyword
- Title
- Author
- ISBN



MobiLIB Catalog

Results display:

- Short title
- Library
- Availability
- Call number if only one copy



FacetBrowser

- Experimental interface for exploratory search
- Focus on browsing with facets

The screenshot displays the FacetBrowser interface. At the top, a table lists available facets categorized by Subject Topic, Subject Genre, Format, Library, Subject Region, Subject Era, Language, Author, New Titles, Availability, Library of Congress Classification, and Classification. Below this, a search bar is present with a 'Start Over' button and a 'Results: 1755578' count. The main area shows search results with a list of items, each with a thumbnail and a title. The sidebar on the left contains search controls, including a search bar, a 'Search In Results' button, a 'Remove Search Term' button, a 'No Search Term Applied' message, a 'Save Results' section with 'Select All Items' and 'Deselect All Items' buttons, and a 'No Items Saved' message. At the bottom, there are buttons for 'Select All Items', 'Deselect All Items', and 'Save Selected Items'.

Available Facets	A - General Works (4433)	B - Philosophy, Psychology, Religion (77202)	C - Auxiliary Sciences of History (5559)
Subject: Topic	D - History (General) and History of Europe (58827)	E - History: America (30986)	F - America: local history (17785)
Subject: Genre	G - Geography, Anthropology, Recreation (23359)	H - Social sciences (167659)	J - Political Science (25251)
Format	K - Law in general, Comparative and uniform law, Jurisprudence (15751)	L - Education (82642)	M - Music (12657)
Library	N - Fine Arts (39753)	P - Language and literature (187946)	Q - Science (194420)
Subject: Region	R - Medicine (45156)	S - Agriculture (52770)	T - Technology (149315)
Subject: Era	U - Military science (General) (7009)	V - Naval science (2002)	Z - Bibliography, Library Science, Information resources (general) (20751)
Language			
Author			
New Titles			
Availability			
Library of Congress Classification			
Classification			

Start Over Results: 1755578

Maximum Number of Items: 10 Sort By: Date Added Apply Selections To Search

Search In Results

Search In Results Remove Search Term

No Search Term Applied

Save Results

Select All Items Deselect All Items

Save Selected Items

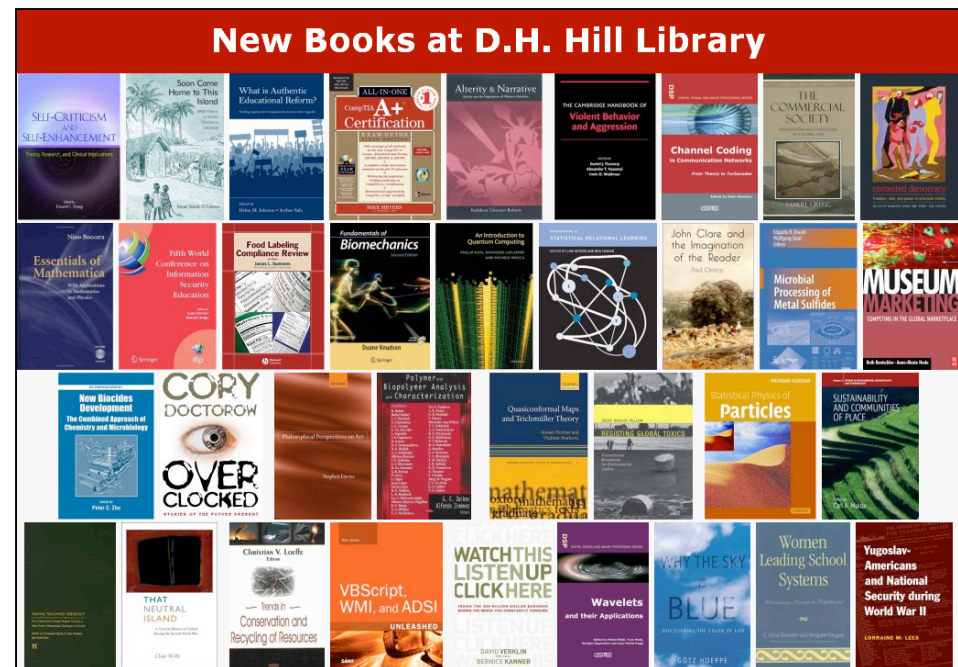
No Items Saved

Select All Items Deselect All Items Save Selected Items

© NCSU Libraries 2007 | Optimized for Mozilla Firefox Browser

New Books Bookwall

- Newest books in catalog
- Automatically generated
- Maintenance free



Catalog Research Testbed

Catalog Research Testbed

- A platform for controlled user research on
 - Library catalog interfaces
 - Faceted search interfaces
 - User search behavior
- Data source is 1.8M indexed catalog records
- Focused on use by researchers

Testbed Features

- Custom interface(s) for each study
- Transaction logging (in development)
 - Participant identifier
 - Search term(s)
 - Facets clicked
 - Items selected
 - Timestamp

Testbed Configurability

- Customized interface via XSL and CSS
- Configurable display elements
 - Selection and display of item bibliographic and holdings metadata
 - Selection and placement of facets
 - Placement of cover images
 - Basic styling, including fonts, colors, alignment, etc.

Catalog Research Testbed


Catalog Search

Anywhere

Search

Your Current Search

Keyword

'usability' 

Refine Your Search

Subject: Topic

[Human-computer interaction](#) (86)

[User interfaces \(Computer systems\)](#) (59)

[Design](#) (54)

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1. Cost-justifying usability : an update for an Internet age

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2. Usability : gaining a competitive edge : IFIP 17th World Computer Congress--TC13 stream on usability: gaining a competi...

Author: IFIP World Computer Congress (17th : 2002 : Montréal, Québec)

Format: Book

Published: 2002.

ISBN: 1402071876




3. Medical instrumentation : accessibility and usability considerations

Format: Book

Published: c2007.

ISBN: 0849371651



4. Usability in practice : how companies develop user-friendly products

Example Research Questions

- How does the number of facets on the page affect search performance?
- What is the optimal placement and ordering of facets in a library catalog?
- To what extent is a faceted search interface more useful to a subject matter expert than to a non-expert?

Summary

Summary

- Library catalog as a data platform, rather than just a destination
- A simple open data infrastructure can enable a multiplicity of uses
- Many of the uses were not anticipated in the original design (this is good!)

Thank you!

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More Information

Article:

<http://journal.code4lib.org/articles/10>

CatalogWS API:

<http://www.lib.ncsu.edu/catalog/ws/>

CatalogWS Applications:

<http://www.lib.ncsu.edu/dli/projects/catalogwsapps/>