



# **Library Services & Resources**

**Department of Chemical Engineering**

**2005.09.27**

# Outline

- **Manage My Circulation Record**
- **Borrowing Privileges**
- **Books! Periodicals! What floor are they on in NTUST Library?**
- **Some Concepts of Information Retrieval**
- **Find Information**
- **Evaluate Information**
- **Request Items Not Owned by NTUST Library**
- **Alert Services**
- **Citation Statistics for Journal Evaluation**
- **Off-Campus Access**

# Manage My Circulation Record

- Choose My Circulation Record function from the Library Catalog
- Enter your university ID number & PIN
- Check
  - Circulation Records
  - Renewals
  - Mailing Address (Required)

# Borrowing Privileges

Status	Max Holds	Loan Periods	Allowable Renewals
Doctoral Students	20	28 Days	3
Master's Students	15	28 Days	3
Undergraduates	10	21 Days	3

- Overdue fines are NT\$10 per item per days.
- All loaned items are subject to be recalled after three weeks' usage. If a book is recalled, a Recall Notice will be sent to the user by email with a new due date. The user must to return the item in one week.

# Books! Periodicals! What floor are they on in NTUST Library?

Books	Western Languages	Level 3, 4	
	Chinese & Japanese	Level 1, 2, 3	
Reference Books		Level 1	
Journals	Unbound	Level 4	
	Bound	Western Languages	Level 4, 5, 6, 8
		Chinese & Japanese	Level 4
Magazines		Level 1	
NTUST's Theses		Level 3	
Newspaper		Level 2	
Audio-Visual Materials		Level 1	



# **Some Concepts of Information Retrieval**

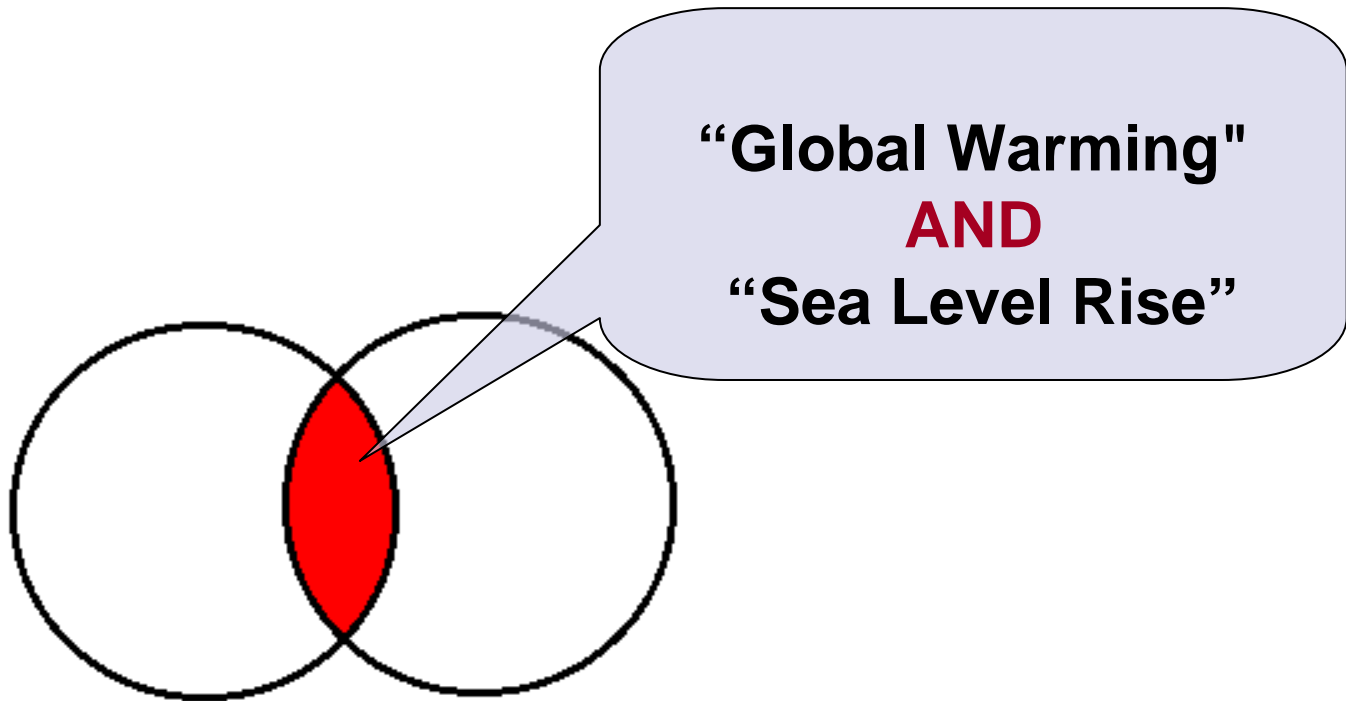
- **Keywords**
- **Synonyms**
- **Narrower terms**
- **Broader terms**



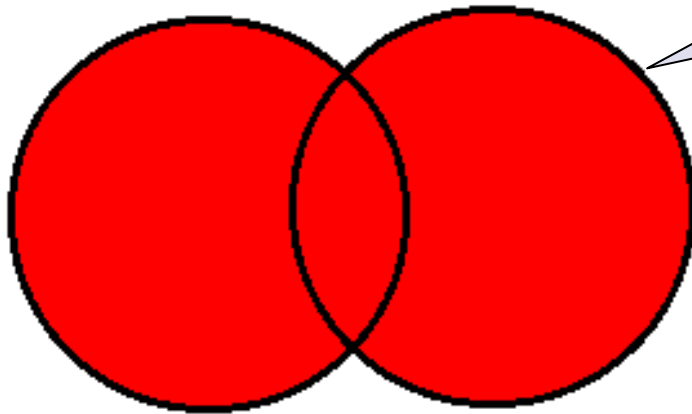
# Keyword Searching with Boolean Operators

- AND
- OR
- NOT

# Boolean Operator: AND



# Boolean Operator: OR

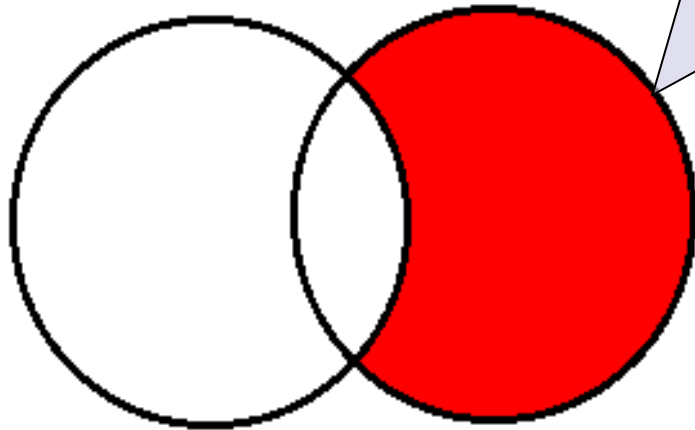


“Global Warming”

**AND**

“Sea Level Rise”

# Boolean Operator: NOT



“Global Warming”

**NOT**

“Sea Level Rise”



# Find Information

- **Books**
- **Journal Articles**
- **Journal Titles**
- **Standards & Patents**
- **Dissertations & Theses**
- **Internet Resources**



# Find Books

- [NTUST Library Catalog](#)
- [Other Catalogs](#)

# Find Journal Articles & Journal Titles

- To look up articles on your topic
  - ⇒ Databases
- Already know which articles you want (have the article citation)
  - ⇒ Periodical Catalog & E-Journals
- To find a journal when you know its title
  - ⇒ Periodical Catalog & E-Journals

# Databases relevant to Chemical Engineering

- SDOS
- Wiely InterScience
- Scopus
- ACS (American Chemical Society)
- EiVillage2
- ChemIDplus
- LINK Springer-Verlag
- Landolt Börnstein (LB)
- Science Online



# Database coverage

- **Subject area**
- **Publication type**
- **Geographic area**
- **Language**
- **Time period**
- **Availability of materials indexed in database**

# SDOS

- **Provides full-texts to articles in over 1300 journals published by Elsevier.**
- **Subjects covered are mainly in the sciences, engineering, medicine, economics, management, etc.**



## Wiley InterScience

- Provides full-texts to articles in over 400 journals published by John Wiley & Sons, Inc.
- Subjects covered are mainly in the sciences and engineering.

# Scopus

- Abstracts database of over 14,000 titles from 4,000 publishers (1966- )
- Subject coverage includes science, chemistry, engineering, medicine, and social sciences, etc.
- Contains the references cited in those articles published from 1996 onwards.
- Full-text access is limited to the publications for which NTUST's Library has an electronic subscription.

# ACS (American Chemical Society)

- **Provides access to the American Chemical Society (ACS) online journals.**
- **Coverage**
  - **Journals–Online: vol. 1-**
  - **Magazines–Generally: 1998-**

# Ei Engineering Village 2

- **Provides access to information resources relating to engineering, including the databases of Compendex (1969- ), Inspec (1969- ), etc.**
- **Full-text access is limited to the publications for which NTUST's Library has an electronic subscription.**

# ChemIDplus

- **Allows users to search compound identifiers such as chemical name or CAS Registry Number on the NLM ChemIDplus database of over 370,000 chemicals.**
- **Chemical structures are displayed as GIF images.**

## LINK Springer-Verlag

- **Provides the full images of journals published by Springer(1994- ) and Kluwer(1997- ).**
- **Subject coverage includes chemistry and materials Science, engineering, biomedical and life sciences, computer Science, earth and environmental Science, etc.**

## Landolt Börnstein (LB)

- **Assess data from all fields of physics, physical chemistry, geophysics, astronomy, material technology and engineering, and biophysics. (1883- )**



## Science Online

- **Online edition of Science Magazine**
- **Abstracts: 1995.10 -**
- **Full texts: 1996.09 -**

# Find Standards & Patents(1/3)

- ASTM Standard (American Society for Testing & Materials)
  - In print :2003 edition  
(Call No. R / TA401 / Am35 / 2003)
  - E-resource (Bibliographical Information & Abstracts only)
- ANSI (American National standards Institute )
  - Bibliographical Information only
- Chinese National Standards (CNS)

# Find Standards & Patents (2/3)

- Delphion

- US, EP, JP Patents

- Request User Name & Password at Reference Desk

- US Patent Database

- esp@cenet

- freepatentsonline

- TWPAT (In Chinese)

# Find Dissertations & Theses

## ■ NTUST's Theses

- Library Catalog: printed
- [eThesys](#)(2004~ )

## ■ Digital Dissertation Consortium

- Provide full-texts to dissertations published by ProQuest
- CONCERT (Consortium on Core Electronic Resources in Taiwan)

## ■ [ProQuest Digital Dissertations \(PQDD\)](#)

- Provide access to citations and abstracts for dissertations in US and Canada.
- Titles published since 1997 have 24 page previews available.

# Find Internet Resources

## ■ Search Engines

- [Google Scholar \(Beta\)](#)

- [Google](#)

- [Yahoo! Search](#)

## ■ Subject Directories

# Scholarly Directories

- Librarian's Index to the Internet  
librarian-selected Internet resources  
<http://lii.org/search?query=Chemistry+or+>
- The WWW Virtual Library  
oldest catalog of the Web volunteer run  
<http://www.che.ufl.edu/www-che/>
- INFOMINE  
librarian-built list of scholarly Internet resources  
<http://infomine.ucr.edu/cgi-bin/search?physci>
- The Internet Public Library  
Compiled and organized at the University of Michigan School of Information  
<http://ipl.si.umich.edu/div/subject/browse/sci06.00.00/>
- Physics & Chemistry Library  
Compiled and organized by University of Arkansas Libraries  
<http://libinfo.uark.edu/eresources/chemweblisting.asp?Category=Science+%26+Technology&Listing=Chemistry>



# **What's the Difference between Library Databases and the Internet?**

- **Credibility**
- **Stability**
- **Searchability**

# How Do I Evaluate Information?

## ■ Who wrote it?

- Known individuals in a field
- Reputable institutions
- Check URL domain

## ■ When was it written?

- Check the publication date or date last updated for a web page

## ■ Has it been reviewed?

- Peer-reviewed journals
- Referred electronic databases
- Web pages

# Request Items Not Owned by NTUST Library:

- Apply for Interlibrary Loan Online (In Chinese)
- Interlibrary Loan Cards
  - Cooperative libraries: NTU, NCCU, NTNU, NTUT, TKU,NTCB, TTU
  - Register cards with your NTUST ID card at the References Desk
- Recommending Materials for Purchase

# Alert Services to Keep Current

- [Engineering Village 2](#)
- [Wiley InterScience Alerts](#)
- [American Chemical Society Journals](#)
- [Elsevier ScienceDirect](#)
- [Scopus My Alert](#)
- [Science Oonline E-mail Alerts](#)
- [Springer LINK Alerts](#)
- [Informine Email Alert Service](#)



# Provide Citation Statistics for Journal Evaluation

- JCR (Journal of Citation Reports)
- Scopus

# Off-Campus Access

- **Remote access from off campus to many of our online article indexes, reference databases, and online journals is restricted to NTUST faculty, staff, and students.**
- **Proxy: [libproxy.ntust.edu.tw](http://libproxy.ntust.edu.tw)**
  - **port 3128**



# **The End Thank You !**

**NTUST References Desk**

**Tel: 27376196**

**Fax: 27376191**

**Email: [lib@mail.ntust.edu.tw](mailto:lib@mail.ntust.edu.tw)**