## Search Hints for Classic Catalog and Databases (Inspec, Compendex and others)

- **Library Catalog** and Catalog Guide and Catalog Search Hints
- Database Search Commands Comparison Chart
- Ei Village's **Inspec** and **Compendex** Search Hints (engineering, electrical engineering, optics, physics, computers)
- ProQuest Databases (NTIS, Aerospace, Materials, ProQuest Dissertations, GeoRef, etc.)
- Patents: Derwent Innovations Index, Patents Research Guide
- Standards
- Technical Reports
- **Examples of Searches.** Class Presentations (slides)
  - Introduction, Library Home Page, Services and Navigation
  - Library **Catalog**
  - Ei Village's Inspec and Compendex (engineering, physics, electrical engineering, optics, computers)
  - ProQuest Databases (NTIS, Aerospace, Materials, ProQuest Dissertations, GeoRef, etc.)
  - Web of Science's Science Citation Index (cited references); BIOSIS, Medline; Derwent Innovations Index (patents)
  - FirstSearch's WorldCat (library catalogs)
  - SciFinder Scholar's Chemical Abstracts
“Research Tools”

- Library Catalog
- Find Databases
- eJournals
- Course Reserves
- Research Guides

“Services”

- Interlibrary Loan (ILLiad)
RESEARCH TOOLS

Archives
Articles
Bestsellers, DVDs, Newspapers & Magazines
Books
  Library Catalog
  GIL Universal Catalog
  WorldCAT
  Popular Materials
  eBooks
Citation Linker
Citation Style Guides
Conference Proceedings
Course Reserves
Databases
eBooks
eResource Policies
Expert Consultation Center

GALILEO
  Get GALILEO Password
Government Information
Institutional Repository
  SMARTech Repository
Journals
Maps
Patents & Trademarks
Research Guides
Science Fiction Collection
Standards & Codes
Technical Papers & Reports
Theses & Dissertations
  GT Authors
  Other Authors
Tutorials
  Request Books from LSC
Library Services

“Services”

- Computers & Printing
  - Printing & Scanning
- Copy Services
- Distance Learning
Electronic or Print Course Reserves
“Research Tools” – “Course Reserves”

More info? Contact:
Course Reserves
Phone: 404-367-0865
(Main Library)
Course Reserves

- **Professors** can request that books (textbooks, recommended readings etc.) and other materials be placed on Course Reserves, to make them available to all students in their classes.
- **Faculty** can submit a purchase request for Course Reserves books.
- **Course Reserves** material is located in the Public Services area, on the 1st floor west at the Library.
- For Course Reserves questions, call 404-367-0865 (Reserves, Main Library).
## Electronic or Print Reserves

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Section Number</th>
<th>Department</th>
<th>Instructor</th>
<th>Term</th>
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<tr>
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- Integrated Optics
  - Format: Web/OPAC Link
  - Size (KB): -
Interlibrary Loan
http://illiad.library.gatech.edu/

• Interlibrary loan (ILL):
  ➢ Materials **not owned by** the Georgia Tech Library
  ➢ Photocopies and loans of books, theses, articles, conference papers, etc. **from other libraries**

• The Library **subsidizes** interlibrary loan requests **up to $25.00 per item**. You will be notified if charges exceed that amount

• **Most** (but not all) interlibrary loan requests will be free to you

• Use **ILLiad request forms** for all interlibrary loan article PDFs and book loans, and also for PDFs of Georgia Tech Library **owned print articles**
Fill out an **ILLiad** request form for each separate item.

Provide **complete bibliographic information** in your ILLiad request, using the ILLiad “Notes” field, if needed.

**Interlibrary loan** requests often takes **1-3 weeks** turn around time, depending upon the lending library. Turnaround time can be days to several weeks.

**ILLiad Request Form**
http://illiad.library.gatech.edu/
Put any information in the “Notes” field that may help us find the item, as well as any other pertinent information.

[Copy and paste complete bibliographic information from your Library database record into the “Notes” field, leaving out the author affiliation, abstract and subject heading fields]
ILLiad Request Forms
PDFs

http://illiad.library.gatech.edu/

• Check the **ejournal** list and **Catalog** for Georgia Tech Library **electronic journal** subscriptions

• The Georgia Tech Library delivers **PDFs of articles** (journal and conference papers, brief book chapters):
  - PDF copies of **Georgia Tech Library print articles**
  - PDF copies of **interlibrary loan articles** (not owned by the Georgia Tech Library)

• PDF copies are sent directly to the requester’s ILLiad account
Interlibrary Loan. Books or Copies

Distance Learning students, faculty, and staff MUST choose Distance Ed as the Status and also the appropriate Distance Ed unit as Department for accurate delivery of materials.

The first time you try to use the ILLiad system, you will be asked to fill out a one-time new user registration form.

Distance Learning students, faculty, and staff MUST choose Distance Ed as the Status and also the appropriate Distance Ed unit as Department for accurate delivery of materials.
“Services” – “Distance Learning”

“Library Materials Request Forms and Procedures”
Under “Services” (left column of home page)

Request loans and copies from the Georgia Tech Library and from other libraries.

- Center for Distance Learning
- Georgia Tech Lorraine
- Other Off-Campus
ILLiad request questions

http://illiad.library.gatech.edu/

Contact

- For questions regarding your ILLiad requests contact **Information Delivery** at
  - **Phone:** 404-727-1400 (or toll free 1-888-225-7804, ask to be transferred to Information Delivery)
  - **Email:** customersupport@library.gatech.edu
“Services” – “Borrow”

“Borrowing from Other Libraries”

**Borrowing from other libraries...**

Current Georgia Tech students, faculty, and staff may borrow from the Emory’s Library Service Center collection by either visiting the LSC in person or placing a request through the library catalog for delivery to the GT campus.

Current students, faculty, and staff may also use their **Buzzcard** to borrow from **Emory’s Woodruff** Library and any **library in the University System of Georgia** schools in person (check with the library for their visitor hours and restrictions).

Several other Metro-Atlanta College libraries allow in person borrowing of their materials to GT students, faculty, and staff, you must use an **InterLibrary Use card**, obtained at the Library Services Desk on the first floor. This card works at: Agnes Scott College, Atlanta University Center, Brenau University, Columbia Theological Seminary, Emory University (branch libraries), Mercer University (Atlanta Campus), Morehouse School of Medicine, Oglethorpe University, Savannah College of Art and Design-Atlanta. Check with the library for their visitor hours and restrictions.

Otherwise, current students, faculty and staff must use the **Interlibrary Loan System**, also known as ILLiad. Use the ILLiad interlibrary loan service to obtain: Photocopies and loans of books, theses, articles, conference papers, etc. from other libraries. Generally we try to obtain a loan of dissertations; **ProQuest Dissertations & Theses Full Text** contains many full text documents. Please note: Most loans and photocopies are free. Delivery can range from a few days to several weeks, so allow enough time when requesting material. If you need something in a hurry, indicate a specific deadline. The Library subsidizes ILL requests up to $25.00 per item. You will be notified if charges exceed that amount. You would still be responsible for charges in excess of the $25 per item limit subsidy, even if the material is received after your deadline. ILLiad request forms are at [http://illiad.library.gatech.edu](http://illiad.library.gatech.edu)
“Research Guides” are organized By Subject, By Type, All Guides
http://libguides.gatech.edu/
Electrical and Computer Engineering Guide

http://libguides.gatech.edu/ece

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**ECE Databases, Hints, Services**

- For **one-on-one** in-depth and quick Library database search assistance, and customized group sessions for your courses, lab groups or project groups. **Group instruction** can be in your laboratory, conference room, or classroom, or in the Library’s classroom.

  Contact: Bette Finn, ECE Subject Librarian, Georgia Tech Library
  Phone: 404-894-1790. Email: bette.finn@library.gatech.edu

- **ECE Databases, by Subject** (in-depth descriptions, arranged by research topic)
- **ECE Databases, Alphabetical List**
- **ECE Database Search Hints and Examples**
- **Database Tutorials**
- Customized alerts are available in most Library subscription databases

- **Library Services for Students** (circulation, book recalls, book locates, course reserves, printing, scanning, interlibrary loan,

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**ECE DATABASE LIST (CORE AND RELATED)**

- Catalog - GT Catalog, Georgia Tech library’s online catalog
- Inspec (electrical engineering, computer engineering, physics)
- Compendex - engineering. Combine with Inspec (electrical and
- Aerospace
- Applied Science
- BIOSIS Citation Index
- Business
- Chemical Abstracts
- Computing abstracts
- Derwent Innovator Index
- Dissertations and Theses
- Electronic Handbooks
- Electronic Journals
- Current Contents
- Fulton Library
- Georgia Tech Academic Units
- Intergalactic
- GSM
- Ira Remsen III
- Interlibrary Loan (students and faculty/staff)
- Journal of the Franklin Institute
- Library of Congress Classification
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Databases [http://libguides.gatech.edu/az.php](http://libguides.gatech.edu/az.php)

**Research Tools** --

**Find Databases**
- By Subject
- A-Z, Alphabetical
Off-campus: Need the proxy server URL or VPN

- **Remote access to campus resources**
  - **Virtual Private Network (VPN)**
  - How do I get started with the Campus VPN? Access my information remotely via VPN
  - **Download software**

- **Linking** to Library Resources. **LinkMaker**
**Off-campus** (not using VPN)
Begin at Library home page
Will be asked for
GT user name and password

- If you are **off-campus** (and are not using VPN) you must **begin** at the **Library’s home page** at [http://www.library.gatech.edu](http://www.library.gatech.edu) (Catalog, Databases, ejournals) in order to initiate the **proxy server**
- **OIT (Office of Information Technology)**
- **Passport** offers tools for GT Account such as email aliasing
**Linking to Library Resources**

Proxy Server Prefix
http://www.library.gatech.edu:2048/login?url=

**Add GT Proxy Bookmark**

LinkMaker: [http://www.library.gatech.edu/services/linking.php](http://www.library.gatech.edu/services/linking.php)

**LINKING TO LIBRARY RESOURCES**

The Georgia Tech Library uses a proxy server for web security. This prevents unauthorized users from entering the library’s databases and eJournals and illegally downloading content.

**LinkMaker:**

To link to a Library resource (e.g. electronic database, eJournal) on T-Square, WebCT, electronic syllabi or course web pages use this tool to create enhanced URLs.

**Paste (Ctrl V) the link to your resource here:** (Include http:// at the front)

Create Link  Reset Links

**New Enhanced URL:** [http://prx.library.gatech.edu/login?url=](http://prx.library.gatech.edu/login?url=)
Scholarly Communication and Digital Curation

- Scholarly Communication and Digital Curation services and contact information
- Research Data Management
- Data Management Plan
- Access policies for data
- SMARTech repository
- Copyright and Fair Use
- Scholarly Communication Guide (P. Kenly)
Research Tools
Research Guides

• The Research Process
• Research/ Writing/ Citing Sources
• Citation Styles, Tutorials, and Tools
• EndNote
Primo “Everything” or “Articles” does **not** search our specialized databases

Some databases are right on target, whereas other very **relevant databases** have **not been searched** and **relevant** records will be **missed**.

Search the **other vendor databases** **separately** such as **Inspec/Compendex** and Web of Science.
Search Hints

http://www.prism.gatech.edu/~bw21/chart.htm
http://www.prism.gatech.edu/~bw21/

- Native databases provide records of publications not available in Primo “Everything”/”Articles” searches
- Native databases such as Engineering Village Compendex/Inspec, ProQuest databases (NTIS, Aerospace, etc.), and Web of Science databases provide powerful search software:
  - Complex searches using nested **Boolean** operators (**AND** OR **NOT**)
  - **Multiple search statements** (Search history, Recent searches). Recombine with statement numbers and keywords
  - **Proximity operators**, such as **NEAR/ #** (within # words) or **quotes** (“exact phrase”)
  - **Truncation** (often *), wildcards
  - **Limit to** **Title/ Subject** headings fields, Author, etc.
  - **Avoid searching full text** fields (ProQuest – use “ALL”)
  - **Combine multiple databases together** into one search
- Most databases have **tutorials**, often vendor supplied. Look for “Help” or “Support” or “?” or “Search Tips”
We welcome your feedback and suggestions!
Library home page -- top of screen (right side)

Feedback
http://www.library.gatech.edu/about/contact.php
Assistance searching the Library’s Databases

• For **ECE and GTRI** one-on-one **in-depth and quick** database search assistance and group instruction, please **contact Bette Finn** ([bette.finn@library.gatech.edu](mailto:bette.finn@library.gatech.edu))

• For other schools, contact your **Subject Librarian** for assistance searching any of the Library’s **databases**. Every school has a Subject Librarian ([http://www.library.gatech.edu/services/subject_librarians.php](http://www.library.gatech.edu/services/subject_librarians.php)).

• For circulation questions (check-out, recalls, etc.) – contact Public Services, 1st floor west, phone 404-894-4530

• **All Research guides**
• **All Databases**