

Georgia Tech Library Guide

<http://libguides.gatech.edu/>

<http://www.prism.gatech.edu/~bw21/>

Subject Librarians

http://www.library.gatech.edu/services/subject_librarians.php



Library Services, Search Hints, Guides, Databases, and Handbooks

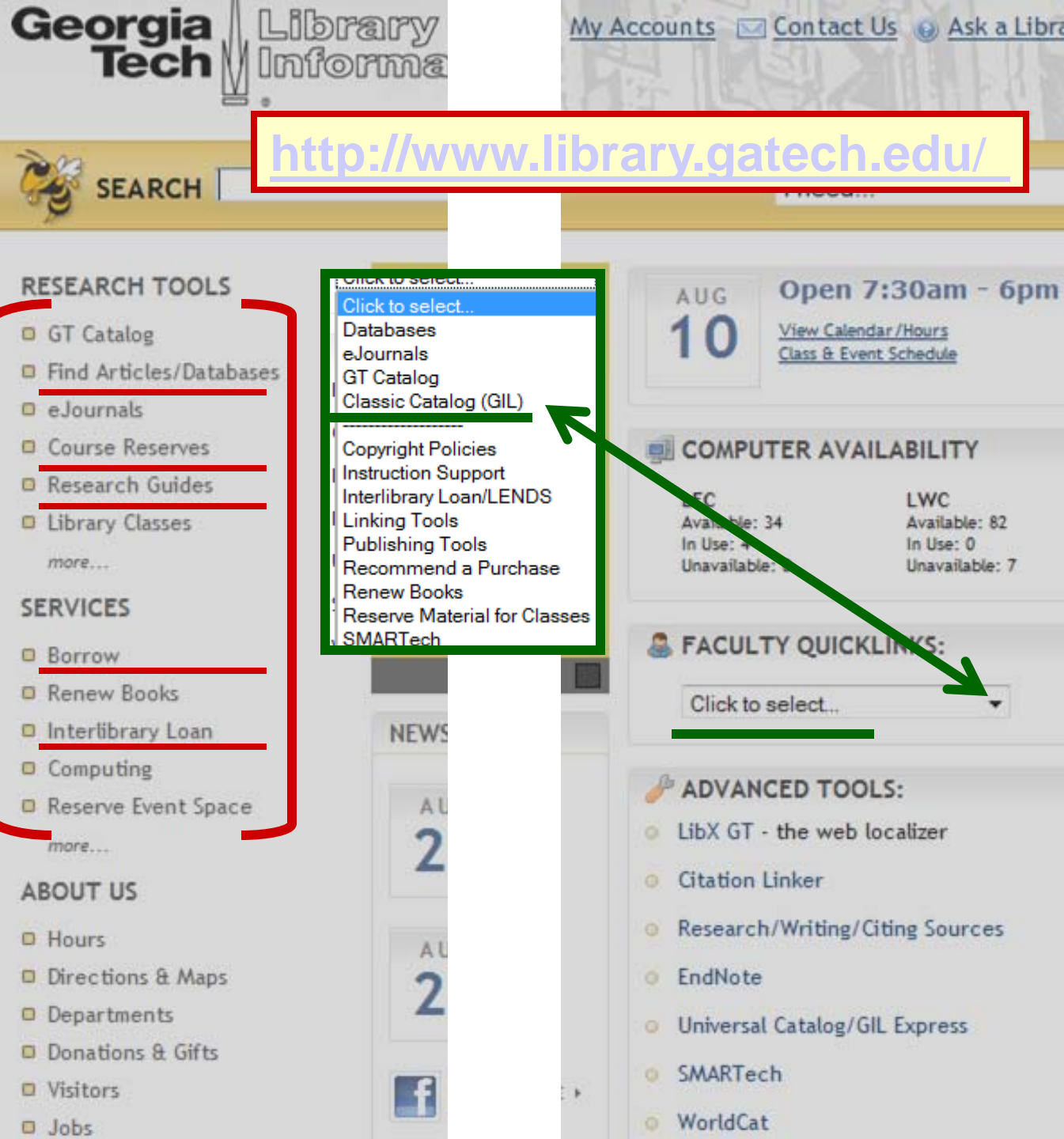
<http://www.prism.gatech.edu/~bw21/>

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

- [Classic Catalog and GT Catalog Guide and Search Hints](#)
- [Classic Catalog "Searching the GIL Catalog" Tip Sheet](#)
- [Database Search Commands Comparison Chart](#)
- [EI Village's Inspec and Compendex Search Hints \(engineering, physics, computers\)](#)
- [ProQuest Databases \(NTIS, Aerospace, Materials, Dissertations, GeoRef, etc.\)](#)
- [Patents](#)
- [Standards](#)
- [Technical Reports](#)
- **Examples of Searches.** Class Presentations
 - [Introduction. Library Home Page. Services and Navigation](#)
 - [Classic Catalog and GT Catalog](#)
 - [Ei Village's Inspec and Compendex \(engineering, physics, computers\)](#)
 - [ProQuest Databases \(NTIS, Aerospace, Materials, Dissertations, GeoRef, etc.\)](#)
 - [Web of Science's Science Citation Index](#)
 - [FirstSearch \(WorldCat etc.\)](#)
 - [SciFinder Scholar's Chemical Abstracts](#)

Use "GT Account" ID & Password for Databases and E-Journals Electronic Reserves

- You must **begin** at the **Library's home page** in order to **initiate** the **proxy server**
<http://www.library.gatech.edu>
- If you have never used your "GT Account" (PASSPORT or GT email) or not used it in the past 4 months, you will need to activate it. The **PASSPORT** website
<https://passport.gatech.edu/> offers tools for GT Account and GT Active Directory password changes, email aliasing and GT Directory options. **OIT Help**
<http://www.oit.gatech.edu/help/overview.cfm>



<http://www.library.gatech.edu/>

"Research Tools"

- Find Articles/
Databases
- Course
Reserves
- Research
Guides

"Faculty Quicklinks"

- **Classic Catalog (GIL)**

"Services"

- **Borrow**
- **Interlibrary Loan (ILLiad)**

“Research Tools”

- **Books**
 - **Classic GT Catalog**
 - **Popular Reading**
 - **Classic GT Catalog Search Tips**
- **Web Localizer - LibX GT**

RESEARCH TOOLS

Articles

Books

GT Catalog

Classic GT Catalog

GIL Universal Catalog

WorldCAT

Popular Reading - Bestsellers

eBooks

Classic GT Catalog Search Tips

Citation Style Guides

Conference Proceedings

Course Reserves

Databases

eBooks

eResource Policies

Feature Films

GALILEO

Get GALILEO Password

Government Information

Institutional Repository

SMARTech

Journals

Maps

Patents & Trademarks

Research Guides

Standards & Codes

Technical Papers & Reports

Theses & Dissertations

GT Authors

Other Authors

Submitting an ETD

Web Localizer - LibX GT

SERVICES

Archives

Ask a Librarian

Borrowing & Requests

Borrowing Privileges
Library Account
Suggest a Purchase
Gadgets
Digital Cameras & Camcorders

Computing

Campus Computing
Computer Availability
Connecting to the Internet
Laptops & Accessories
Library Commons
Off-Campus Access
Printing | Saving | Scanning

Copy Services

Digital Camcorder & Camera Lending

Distance Learning

Event Space

Ferst Room
Neely Gallery
LEC Gallery
LEC Performance Space
Presentation Rehearsal Studio

Faculty Services

Digital Archiving and Publishing Services
Document Delivery (LENDS)
Interlibrary Loan (ILLiad)
Instruction Support
Linking to Library Resources
Scholarly Communication
Submitting Reserve Materials

“Services”

- **Computing**
 - **Printing, Scanning**
- **Copy Services/Faxing**
- **Distance Learning**

Faxing

Government Information

Instruction

Interlibrary Loan

ILLiad

LENDS

Pick-up Request

Library Commons

Clough Commons
LEC
LWC
2 West

Microforms & Microfiche

Patents & Trademarks

Presentation Rehearsal Studio

Records Management

Reference & Research

Library Classes
Request Instruction Session
Fee-based Research
Research Guides
Ask a Librarian

Reserves

Search Reserves
Using Reserve Materials
Submitting Reserve Materials
Reserve Guidelines

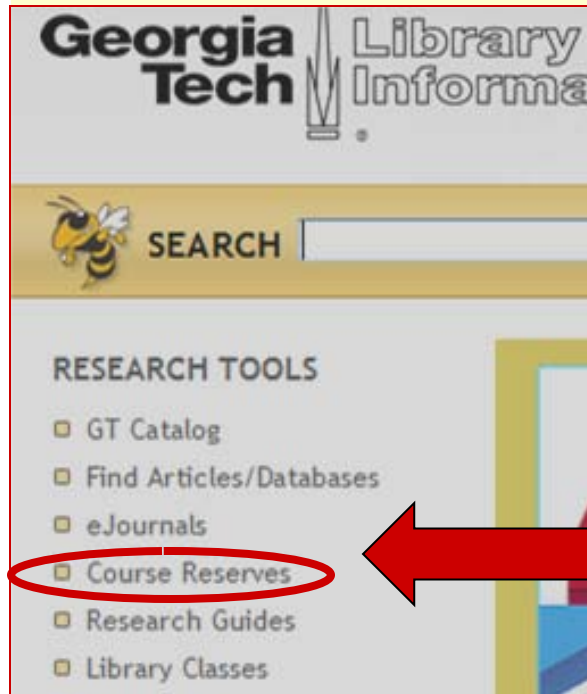
SMARTech

Subject Librarians

Electronic or Print Reserves

“Research Tools” – “Course Reserves” – “Search Reserves”

<http://www.library.gatech.edu/services/reserves/index.php>



Georgia Tech Library Informa

SEARCH

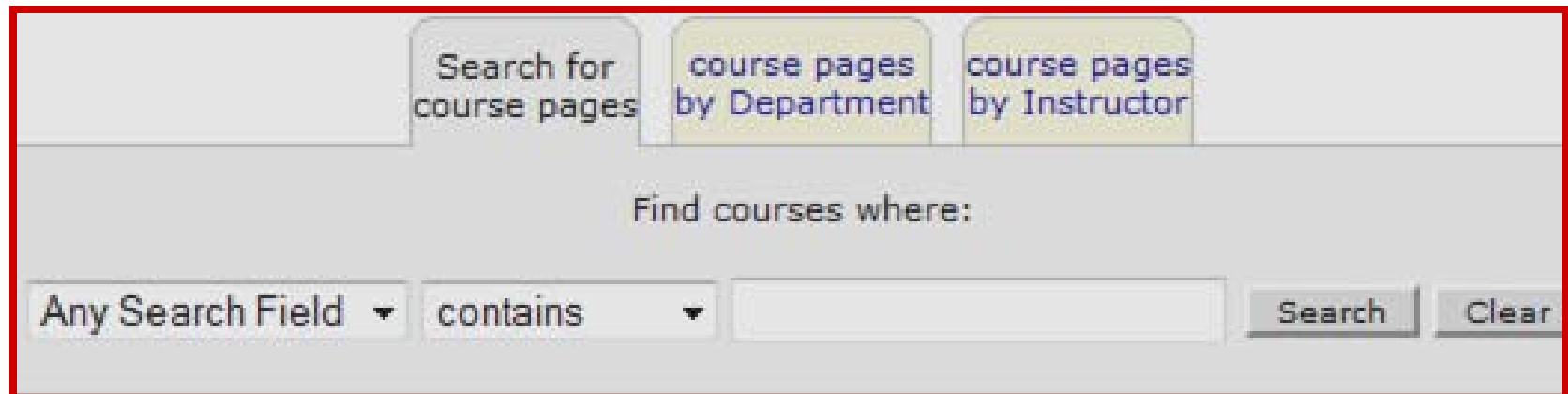
RESEARCH TOOLS

- GT Catalog
- Find Articles/Databases
- eJournals
- Course Reserves**
- Research Guides
- Library Classes



Reserves

- Search Reserves**
- Using Reserve Materials
- Submitting Reserve Materials
- Reserve Guidelines



Search for course pages

course pages by Department

course pages by Instructor

Find courses where:


Any Search Field contains

Search Clear

Electronic or Print Reserves

Electrical and Computer Engineering

Displaying 10 of 31 Matching Course Reserves Pages << Page

Course Number	Course Name	Section Number	Department	Instructor	Term	Year
ECE6450	Microelectronics Tech		Electrical and			
ECE6451	Introduction to the Theory of Microelectronics					
		Format		Size (KB)		
		Adobe Acrobat (PDF)		459 KB		
ECE6500	Linear Systems and Controls		Computer Engineering	Verriest	Fall	200
Title		Format		Size (KB)		
 Integrated optics		Web/OPAC Link		-		
ECE6520	Integrated Optics		Electrical and Computer Engineering	Gaylord	Fall	200
ECE6530	Optical Modulation		Electrical and Computer Engineering	Gaylord	Fall	200
ECE6550	Linear Systems and Controls		Electrical and Computer Engineering	Verriest	Fall	200
ECE6611	Advance Networks		Electrical and Computer Engineering	Ji	Fall	200
ECE6771	Optoelectronics: Materials, Processes,		Electrical and Computer Engineering	Gaylord	Fall	200
ECE8823	Special Topics in Mobile Computing		Electrical and Computer	Blough	Fall	200

“Services” – “Borrow”

- **“Borrowing & Requesting from Other Libraries”**

http://www.library.gatech.edu/services/borrow/from_otherlibraries.php

Most loans and photocopies are **free**. Delivery can range from a few days to several weeks. You can indicate in the ILLiad “Notes” field that you want to be notified if item is not free to you.

OPTION 1 - [GIL Express](http://gilexpress.usg.edu). Online requests can be made from the [Universal Catalog](#), which combines the individual collections of the 35 libraries of the **University System of Georgia** (USG) and the Gwinnett University Center. Check your **“My Account”** for the **status** of your **book** order. Most requested materials are delivered within three days. For more information on GIL Express visit <http://gilexpress.usg.edu>. GIL - funded by the Governor and the General Assembly of Georgia.

OPTION 2 - [ILLiad Interlibrary Loan System](https://illiad.library.gatech.edu/)

<https://illiad.library.gatech.edu/>

Service is available to currently enrolled students and currently employed faculty and staff.

- Most loans and photocopies are free. However, you would be responsible for any charges in excess of \$25.00 per item.
- 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. You would still be responsible for charges in excess of the \$25 per item limit, even if the material is received after your deadline.

Use the service to obtain:

- Photocopies and loans of books, theses, articles, conference papers, etc. from other libraries or commercial vendors.
- Dissertations from other schools. Generally we try to obtain a loan of dissertations; however you have the option of requesting a purchase of an unbound copy from Dissertation Express. Use the ILLiad Request a Photocopy option and put “Order from Dissertation Express” in the Notes field.
- Audio-visual materials. We will do our best to borrow these for you, but many libraries will not lend them or will lend them with restrictions. Please contact Information Delivery for further information.

BORROWING & REQUESTING FROM OTHER LIBRARIES

Borrowing in person:

Current GT Students, Faculty, and Staff may use their BuzzCard to borrow from the following libraries:

- Emory Main Library (Woodruff)
- UGA Libraries
- GSU Libraries
- All other University System of Georgia Libraries

More info? Contact:

Circulation Department
1st Floor East [\[view map\]](#)
Phone: 404-894-4500
Fax: 404-894-0399



Current GT Students, Faculty, and Staff may borrow from other local colleges and universities using an Inter Library Use (ILU) Card. This card is obtained at the Circulation Desk and may be issued for one of the following schools:

- 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

DOCUMENT DELIVERY (LENDS)

This service delivers materials from the Georgia Tech Library's collection:

▶ Copies of Articles, Conference Papers, Technical Reports, etc. (faculty, staff, & grad students)

- Items will be sent in electronic format to your ILLiad account.
- If the GT Library does not own the requested item, it will be ordered through Interlibrary Loan unless otherwise indicated.

▶ Submit a LENDS

- [Document Delivery](#) (items in the Library building):
 - * **Photocopies** - GT graduate students & faculty/staff
 - * In-house book delivery is **only** for GT faculty/staff
- [Interlibrary Loan](#) service is available to GT undergraduate & graduate students and faculty/staff for **both** book loans and photocopies.

Interlibrary Loan. Books or Copies

* First Name Bette

* Last Name Finn

* gtlD# (BuzzCard number)

* GT E-Mail Address bette.finn@library.gatech.edu

* Daytime Phone 404-894-1790

* GT Mailing Address 1 Georgia Tech Library

GT Mailing Address 2

* City Atlanta

* State GA

* Zip 30332-0900

Status Faculty

Department Library

Distance Learning units dropdown menu:

- Distance GT Lorraine
- CRT
- Distance CDL
- Distance GT Lorraine
- Distance GTSAV
- Distance Other
- DLPE
- EAS
- ECE
- Economics
- EDI
- ESTP
- GTRI
- GVU

Status dropdown menu:

- Graduate
- Faculty
- Staff
- Undergraduate
- Distance Ed

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.

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.

- Logoff bw21

- Main Menu

- New Request

- Photocopy

- Loan

- View

- Outstanding Requests

- Electronically Received Articles

- Checked Out ILL Items

- Cancelled Requests

- Completed Requests

- All Requests

- Notifications

- User Info

- Change User Info

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

Notes

Put any information here that may help us find the item, as well as any other pertinent information.

Notes

[Copy and paste your Library database record into the “**Notes**” field, leaving out the author affiliation, abstract and subject heading fields]

“Services” – “Distance Learning”

<http://www.library.gatech.edu/services/distance.php>

more...

SERVICES

- Borrow
- Renew Books
- Interlibrary Loan
- Computing
- Reserve Event Space

more...

ABOUT US

- Hours

▶ Ask a Librarian

Do you have a question? We're here to help. Email, live chat, and telephone assistance

[Ask your question](#)

▶ Library Materials Request Forms and Procedures

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

[Center for Distance Learning](#)

[Georgia Tech Lorraine](#)

[Georgia Tech Savannah](#)

[Other Off-Campus](#)

“Research Tools” -- “Research Guides”

<http://libguides.gatech.edu/>

- Aerospace Engineering
- Applied Physiology
- Architecture and Fine Arts
- Archives and Records Management
- Biography
- Biology
- Biomedical Engineering
- **Business and Management**
- Chemical and Biomolecular Engineering
- Chemistry and Biochemistry
- Civil Engineering
- Class Guides
- Computer Science
- **Conference Proceedings**
- Earth and Atmospheric Sciences
- Economics
- Education
- **Electrical and Computer Engineering**
- Events Associated with the Georgia Tech Library
- Environment
- **Government Information**
- **GTRI**
- History
- Hot Topics
- **How to Do Research, Write Papers, and Cite Sources**
- Industrial and Systems Engineering
- International Affairs
- Literature, Communication and Culture
- Maps and Geospatial Data
- Materials Science and Engineering
- Mathematics
- Mechanical and Nuclear Engineering
- Medicine/Health Sciences
- Music
- Nanoscience and Nanotechnology
- Non-Academic Guides
- **Patents, Standards, Technical Reports, and Building Codes**
- Physics
- Psychology and Cognitive Sciences
- Public Policy
- Research Data Management
- Scholarly Communication & Open Access
- Sociology
- **Statistics**
- Women

Research Guides <http://libguides.gatech.edu>

Electrical and Computer Engineering

Home Undergraduates Databases Books Other Resources

Home [Print/Mobile Page](#)

ECE DATABASES, HINTS, SERVICES

- [ECE Databases, Alphabetical List](#)
- [ECE Databases, By Topic](#) (in-depth descriptions, organized by subject)
- [ECE Database Search Hints and Examples](#)
- [Library Services for Students](#)
- [ECE Undergraduate Databases](#)
- [ECE Undergraduate Search Hints and Examples](#)
- [Course Reserves](#)
- [Interlibrary Loan for Students](#)
- [Faculty/Staff In-house Delivery & ILL](#) (photocopies/book loans)
- [Distance Learning Library Materials Request Forms and Procedures](#)
- [ECE Library Orientation Classes](#) (offered every semester).

ECE DATABASE LIST (CORE AND RELATED)

- [Inspec](#)
- [Compendex](#)
- [NTIS](#)
- [Aerospace Database](#)
- [Applied Science and Technology Abstracts](#)
- [BIOSIS Previews](#)
- [Business & Management Databases/Guides](#)
- [Classic GT Catalog](#)
- [CRCnetBASE \(formerly ENGnetBASE\)](#)
- [Dissertations and Theses \(ProQuest\)](#)
- [DTIC - S&T Research: Public Technical Reports](#)
- [Energy Citations Database](#)
- [Energy Technology Data Exchange \(ETDE\)](#)
- [IEEE Xplore](#)
- [Knovel Library](#)
- [Materials Research Database](#)

Books Other Resources

- [Classic Catalog](#)
- [GT Catalog \(overlay to Classic\)](#)
- [WorldCat](#)
- [GIL Universal Catalog \(USG\)](#)

Other Resources

- [Dissertations and Theses](#)
- [Technical Reports](#)
- [Patents](#)
- [Standards and Specifications](#)
- [Electronic Handbooks](#)
- [Citation Style Guides and Writing](#)
- [Interlibrary Loan \(students and faculty/staff\)](#)
- [Faculty/Staff Document Delivery, In-House & ILL](#)
- [Linking to Library resources, Proxy Bookmark, Web Localizer, LinkMaker](#)
- [Bibliographic Management Tools](#)
- [Associations and Societies](#)
- [Services for ECE students](#)
- [Course Reserves](#)
- [Databases](#)
- [Scholarly Communication, Open Access, Copyright and Author Rights](#)

“Research Tools” -- “Find Articles/ Databases”

- “Databases by Subject:”
- “Databases Alphabetically”

FIND ARTICLES/DATABASES


Use databases to find articles on your topic.

▶ Databases by Subject:

Choose your subject area to find related databases that contain references and abstracts to scholarly articles, conference papers, technical reports, patents, & more - as well as full-text content, when available.

Engineering, Electrical and Computer

To access journals we provide in electronic format use the [eJournal List](#) if you already know the title of the journal, newspaper, or magazine.

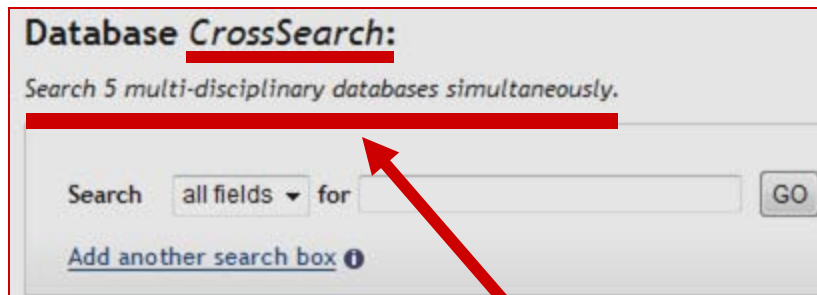
The  button will link you to the articles that are available online; & to the corresponding print version, when available, on our shelves. It will also link you to the Interlibrary Loan form to request articles not available in print or online. For journals available in print only, use the [Catalog](#) to locate the record.

▶ Databases Alphabetically

A B C D E F G H I J K L M N O P Q R S T U V W ALL 

“GT CrossSearch”

Search **multiple** databases at one time: “[Articles/Databases](#)”



The above “GT CrossSearch” box **only** searches the databases listed (Academic Search Complete, Compendex, JSTOR, Research Library (ProQuest), Web of Science (**Inspec is NOT searched here.**))

“Research Tools” –
“Find Articles/Databases”

“GT CrossSearch”

- Default 5 multi-disciplinary search does **NOT include Inspec, NTIS, etc.**
- **Best** database may be **missing**; if included, may not have the highest # of relevant records
- Does **not** utilize **advanced** search capabilities of **native** platforms, such as for Inspec
- Conduct **in-depth** or **complex** searches using **original** native platforms (**Inspec**, Compendex, etc.)
- Only use to quickly identify a **few** papers on a **general** topic
- Good for very simple, **quick**, very brief, **limited** searches across multiple general databases
- **Missing** relevant records and information
- Relevance sort may not bring key records to the top of the list
- Databases with simultaneous user restrictions searched only using original platform

"Databases by Subject:"

Do **NOT** use the "Engineering, Electrical and Computer *CrossSearch*" -- Use the native platforms for Inspec etc.

Engineering, Electrical and Computer

Engineering, Electrical and Computer *CrossSearch*

Search multiple Engineering, Electrical and Computer databases simultaneously.

Primary Databases

[Inspec \(Ei Village 2\)](#) ⓘ

[Aerospace Database \(ProQuest\)](#)

[Compendex \(Ei Village 2\)](#) ⓘ

[NTIS \(ProQuest\)](#) ⓘ

Related Databases

[Applied Science and Technology Abstracts \(Wilson\)](#) ⓘ

[BIOSIS Previews \(Thomson Scientific / ISI\)](#) ⓘ

[Energy Citations Database](#) ⓘ

[IEEE Xplore](#) ⓘ

Search Tips

- If checkbox is not active, click on database name to search directly.
- Search up to 10 databases simultaneously.
- Click on database name to search directly.

My Account

- Log-in
- My Saved Records
- My Saved Databases

To use the **original** native platform – Click on your **specific** database, such as [Inspec](#) etc

Linking to Library Resources -- Proxy Server Prefix


<http://www.library.gatech.edu:2048/login?url=>

Add GT Proxy Bookmark The Web Localizer LibX GT

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.

We offer two different tools to make linking to restricted library resources a little easier.

 See also:

[LibX GT - the web localizer](#)
[Faculty Services](#)

<http://www.library.gatech.edu/services/linking.php>


Add GT Proxy Bookmark:

This tool allows you to connect to databases and eJournals without going through the library website. It is a "must have" for anyone who starts their research somewhere other than the library home page.

What is LibX GT?

http://www.library.gatech.edu/search/web_localizer.php

- **Toolbar:** LibX GT is a Firefox/IE toolbar that allows you to quickly search the GT catalog, eJournals, Google Scholar, and other search tools
- **Right-click menu:** When you have installed LibX GT you can highlight text on a web page or PDF and right-click for a menu of search options
- **Embedded links:** LibX GT will also embed links on search results in Amazon, Barnes & Noble, Google Scholar, NYT Book Reviews, and more that will lead you to GT-only resources

- [LibX GT for IE](#) 
- [LibX FAQ](#) (from libx.org)

DOI # -- from "Full Format" database records

Copy to eJournals → Citation Linker

eJOURNALS

Have a citation, PMID, or DOI you'd like to find? Try the [Citation Linker](#).

Citation Linker

Title: 3D measurement of human upper body for gesture recognition

Authors: [Wan, K.](#)¹; [Sawada, H.](#)¹

Author affiliation: ¹ Fac. of Eng., Kagawa Univ., Takamatsu, Japan

Serial title: Proceedings of the SPIE - The International Society for Optical Engineering

Inspec controlled terms: [gesture recognition](#) - [image motion analysis](#)

Uncontrolled terms: [gesture recognition](#) - [human motion recognition](#) - [user interfaces](#) - [motion ca analysis](#)

Inspec classification codes: [B6135](#) Optical, image and video signal processing - [C5260B](#) Computer processing techniques - [C1250M](#) Image recognition

Treatment: Practical (PRA)

Discipline: Electrical/Electronic engineering (B); Computers/Control engineering (

DOI: 10.1117/12.754566

Database: Inspec

journal title

date

volume issue

issn

pmid

DOI

Linking to Library Resources

<http://www.library.gatech.edu/services/linking.php>

- Add GT Proxy Bookmark
- LinkMaker

LibX GT – the Web Localizer

http://www.library.gatech.edu/search/web_localizer.php

- Right click menu
- Embedded links
- Toolbar

Copyright, Scholarly Communication, Open Access, and Author Rights (LibGuide)

<http://libguides.gatech.edu/scholarlycommunicationtools>

- **Copyright**
- **Electronic Press At Georgia Tech**
 - SMARTech is GT's repository for archiving the intellectual output of campus (pre-prints, post-prints, technical reports, research reports, etc.)
 - Electronic Publishing At Georgia Tech is a suite of journal, conference proceedings, and lecture recording services.
 - Publishing (electronic books, journals, conferences)
 - Capturing (instructional materials, multimedia)
 - Hosting (conferences, symposia, lecture series)
- **Scholarly Communication and Open Access @ GT**