Georgia Tech Library
PMASE Presentation
September 15, 2018

• For assistance searching the Library’s databases, please contact
  Bette Finn, Subject Librarian
  Georgia Tech Library
  Email: bette.finn@library.gatech.edu
  Phone: 404-894-1790

• PMASE Research Guide
  http://libguides.gatech.edu/PMASE
Contents

- Literature review process
- Home page
- PMASE Research Guide (all subjects)
- ILLiad. Interlibrary loan and document delivery
- Book databases
- Library Catalog
- Management and business databases
- Database search hints
- Patent databases
- ProQuest databases
- Inspec and Compendex (all areas of engineering, electronics, computers, physics...)
- Web of Science
- Cited reference databases
Literature Search

- The literature search needs to be comprehensive to avoid publishing something already reported, or slighting people who have made similar advances.
- When looking for citations, do not use indirection, but when coming across an interesting reference, go back to the original source of the reference for a citation.
- Be careful to only use original references. The Wikipedia is generally not considered a reliable source.
- Added bonus: sometimes a literature search can be expanded to a paper in its own right, e.g. a survey of the state-of-the-art.

Courtesy of Brian Berenbach (GTPE-PE Programs), taken from his presentation “To Write a Conference Paper” presented at the 25th Anniversary Annual INCOSE International Symposium, Seattle, WA, July 13-16, 2015. His slides discussing necessary steps and what to avoid are in the SMARTech Repository at http://hdl.handle.net/1853/58782
Writing Literature Reviews
Where Research Starts

Acknowledgement: Writing Literature Reviews is based on slides provided by William Baer
A literature review is “the process of reading, analyzing, evaluating, and summarizing scholarly materials about a specific topic.”


Acknowledgement: Writing Literature Reviews is based on slides provided by William Baer
A literature review will:

• Demonstrate that you **understand** the topic
• Add **credibility**
• Explain how your research **relates** to the field
• Shows **why** your research is needed
Remember that a literature review is more than a summary and/or list of the relevant literature

A literature review will:

• Include **your expertise**
• **Analyze** the literature
• **Compare and contrast** the works of others
Writing Literature Reviews

Topic → Research & Collect Information → Distilling the Information

→ Keep Track of Citations → Write/ Review Paper

Acknowledgement: Writing Literature Reviews is based on slides provided by William Baer
Find the appropriate **balance** between **selective** and **exhaustive**
Boolean Operators

**AND**

Use between concepts to **narrow** the search and **eliminate** unwanted hits.

**OR**

Use within a concept to **broaden** a search to **include other relevant** articles.

Acknowledgement: Writing Literature Reviews is based on slides provided by William Baer
What effect does **violence** in the **media** have on the **home**?

One possible search string:

**violence AND (media OR television OR movies) AND (home OR families)**
Where do I start looking?

• If you know some seminal works on the subject, start there

• Find resources using the appropriate Research Guide obtained from the library’s home page, starting with the PMASE Research Guide
Some tips on finding additional articles:

• Use bibliographies and Library databases

• Revise searches based on what you learn

• Use citation (cited reference) searching, such as Web of Science
Writing Literature Reviews

Compare and contrast the works of others. Use a variety of sources to support your concepts.

Concept 1

Concept 2

Concept 3

Acknowledgement: Writing Literature Reviews is based on slides provided by William Boer
Writing Literature Reviews

• Keep track of citations

• Use EndNote or other citation software

• Take notes. Don’t just highlight

• Choose how to organize your literature review

Acknowledgement: Writing Literature Reviews is based on slides provided by William Baer
This is not a linear process
You can repeat steps
**Topic**: Spend time to carefully **select and analyze** your topic. What is the **scope** of your project? How **selective** can you be? By taking the time to understand what you are really researching you will save yourself time in the long run.

**Research & Collect Information**: **Organize** your search with **Boolean logic** to enable you to sift through irrelevant articles to find the best literature. Use the Library’s Research **Guides** to find databases; start with the **PSME Guide**.

**Distilling the Information**: Read the articles and take **notes**. Remember to describe, **summarize**, **compare** and **contrast**, **analyze**, and **organize**. As a graduate student you are becoming an **expert** in your discipline. Formulate educated **opinions** and use them to make your literature review better.

**Keep Track of Citations**: Use **EndNote** or some **other** bibliographic software.

**Write Paper**: Remember you can **revisit** previous steps if a section of your paper is weak.

**Don’t be afraid to get help!**

*Acknowledgement: Writing Literature Reviews is based on slides provided by William Baer*
Research LibGuides

• **Citation Styles, Tutorials, and Tools**
  [http://libguides.gatech.edu/citationtools](http://libguides.gatech.edu/citationtools)

• **EndNote** (software for managing bibliographic citations)
  [http://libguides.gatech.edu/EndNote](http://libguides.gatech.edu/EndNote)

• **Research Process: A Step-by-Step Guide**
  [http://libguides.gatech.edu/researchprocess](http://libguides.gatech.edu/researchprocess)

• **Research/ Writing/ Citing Sources**
  [http://libguides.gatech.edu/research](http://libguides.gatech.edu/research)
Library Resources:
Find materials for your literature review

“Research Tools”
- GT Catalog
- Find Databases
- eJournals
- Research Guides

“Services”
- Interlibrary Loan - ILLiad request form.
  Book loans and article PDFs

http://www.library.gatech.edu
PMASE Research Guide

- **PMASE Research Guide** – find books, articles and other materials on your topic
  [http://libguides.gatech.edu/ PMASE](http://libguides.gatech.edu/ PMASE)

- Access the PMASE Research Guide through the Library home page at [http://www.library.gatech.edu](http://www.library.gatech.edu)
  - “Research Guides” [http://libguides.gatech.edu](http://libguides.gatech.edu)
    (left column, under “Research Tools”)
    - "All Guides"
      - Professional Master's in Applied Systems Engineering (PMASE) program
        - "Search" [PMASE](http://www.library.gatech.edu)
        - By Type
          - Course Guide
Research Guides
http://libguides.gatech.edu/

ALL GUIDES (Professional Master's in Applied Systems Engineering)

BY TYPE
Course Guide

PMASE
This presentation

Major databases
Databases, Alphabetical

http://libguides.gatech.edu/PMASE/Databases

Professional Master’s in Applied Systems Engineering (PMASE) program: Databases

PMASE Databases, Alphabetical (Primary and Related)

- Databases (In-depth database descriptions, organized by subject/topic)
- Contact Bette Finn (bette.finn@library.gatech.edu) for one-on-one assistance searching these databases.

PMASE Primary Databases

- Catalog (Georgia Tech Library)  
  GT Library Catalog contains books, journals, conference proceedings, maps, and other materials owned by the Georgia Tech Library. Search hints: http://www.prism.gatech.edu/~bw21/2gil.pdf or http://www.prism.gatech.edu/~bw21/gilei.htm

- Compendex. Check both database boxes - Compendex and Inspec (only 20% overlap)  
  Compendex 1884+ Contains almost 7.5 million records referencing 5,000 major engineering journals and major engineering conference materials. Check both database boxes - Compendex and Inspec (only 20% overlap).

- Inspec. Check both boxes - Compendex and Inspec (only 20% overlap).  
  Inspec 1896+ Over 3,500 scientific and technical journals and some 1,500 conference proceedings, as well as selected books, reports and dissertations in the areas of electrical engineering, computer engineering, physics, electronics, communications, computers and control, mechanical and production engineering, and information technology in business. Check both database boxes - Compendex and Inspec (only 20% overlap).

PMASE Related Databases (Alphabetical)

- ABI/INFORM (management science and business) ProQuest
Books

http://libguides.gatech.edu/PMASE/Books

Professional Master's in Applied Systems Engineering (PMASE) program:
Books

Georgia Tech Library resources for the Professional Master's in Applied Systems Engineering (PMASE) program

Home Databases Books Other Resources

- Distance Learning
  "Library Materials Request Forms and Procedures" - Request loans and copies from the Georgia Tech Library and from other libraries.
  "Other Off-Campus"

  Book loans, Distance Learning, Other Off-Campus. For questions, phone: 404-727-1400 and email customersupport@library.gatech.edu

  - The LENDS service delivers books to U.S. locations only and copies of articles from the Georgia Tech Library's collection. Books are sent directly to the requester by UPS and should be returned by UPS or a similar service. Copies are sent directly to the requester's ILLiad account. There is no charge for this service.
  - Interlibrary Loan service obtains materials not owned by the Georgia Tech Library from other libraries or commercial suppliers. Books are sent directly to the requester (to U.S. locations only) by UPS and should be returned by UPS or a similar service. Copies of articles are sent directly to the requester's ILLiad account. The Library subsidizes ILL requests up to $25.00 per item. You will be notified if charges exceed that amount.
  - All requests should be input using the ILLiad online interlibrary loan system. When you register with ILLiad, you must specify your STATUS as Distance Ed. Register with ILLiad/Submit a Request

- GT Library Catalog, Georgia Tech Library's online catalog
  Catalog contains books, journals, conference proceedings, maps, and other materials owned by the Georgia Tech Library. Georgia Tech Library.
  Check holdings (years, volumes) of both print ("Get It!"). Request and electronic full text ("View Online" or "View It!"). Online and print holdings can be in separate records or can be within the same one record. Catalog search hints: slides http://www.prima.gatech.edu/~bw212gili.pdf or http://www.prima.gatech.edu/~bw212gili.htm. For book check-out/circulation questions, ask Public Services (404-894-4530; toll free 1-888-225-7804 http://www.library.gatech.edu/services/help.php).

- List of electronic books - handbooks and reference books
  List of electronic books (handbooks, reference books, etc.) in the Catalog or in the Databases list. Includes GT subscriptions to Knowlent Library and Taylor & Francis Engineering and Technology Collection and large numbers of electronic and print books in the Catalog.

- ILLiad request form
  When registering, choose "Status" - "Distance Ed" and also "Department" - "Distance Other"
  Distance learning - request form for book loans and PDFs of articles. For books, Other Off-campus: http://library.gatech.edu/services/distance/distance_other.php

- WorldCat (OCLC)
  World's most comprehensive collection of bibliographic records from library catalogs worldwide, containing over 52 million records cataloged by OCLC member libraries. Includes books, manuscripts, websites and internet resources, newspapers, journals and magazines (not articles), etc. Includes records representing 400 languages, approx. 1000 A.D. to present
PMASE Research Guide

“Other Resources” (tab, top row)
http://libguides.gatech.edu/PMASE/Other_Resources

Citation Styles, Tutorials, and Tools
The Research Process
Technical Reports
Patents
Dissertations and Theses
Standards and Specifications
Scholarly Communication and Digital Curation services and contact information
Research Data Management, Data Management Plan, Access policies, and metadata services
Scholarly Communication Guide (P. Kenly)
Electronic Handbooks

ILLiad request form
Technical Reports
Patents
Dissertations and Theses
Databases
Electronic Handbooks
Linking to Library resources. Proxy Bookmark, LinkMaker
• Fill out an **ILLiad** request form for **each** separate item (book loans and article PDFs)

• **Interlibrary loan** requests may take **1-3 weeks** turn around time (depends upon the lending library)

• Check the Georgia Tech Library **ejournals** list and Library **Catalog** for Georgia Tech Library electronic amd print journal subscriptions. Ask for **help!**
The first time you try to use the ILLiad system, you will be asked to fill out a one-time new user registration form.

When registering the first time with ILLiad, choose
• "Status" -- "Distance Ed" and also
• "Department" -- "Distance Other"
ILLiad request form
https://illiad.library.gatech.edu/

Choose an option from the choices below:

LOGOFF BW21

PLACE NEW REQUESTS
- Article
- Book
- Book Chapter
- Multimedia
- Thesis/Dissertation

VIEW EXISTING REQUESTS
- Available PDFs
- Review Checked Out Items
- All Requests
- Notifications

TOOLS
- Update User Information
- FAQs

INTERLIBRARY LOAN (ILLiad) FAQ

What is ILL? ILLiad?
ILL stands for Interlibrary Loan. It is a service provided to request materials (i.e., books, journal articles, research papers, etc.) not owned by your home Library from other institutions around the world.

ILLiad is the online interface you use to place your requests. At Georgia Tech, this system is also used to place scan requests for items held at the Library Service Center. (For delivery of physical items from the LSC, please place requests through the GT online catalog, not ILLiad.)

Who is eligible for interlibrary loan?
Current Georgia Tech students, faculty, and staff may use this service.

What materials can I request through ILLiad?
- Books
- Articles
- Microfilm
- Technical Reports
- Dissertations
- Theses
- Electronic resources

ILLiad FAQ
http://www.library.gatech.edu/services/ill-faq.php
The Georgia Tech Library delivers PDFs (of journal & conference papers and brief book chapters) to all distance learning locations (both inside and outside of U.S.)

- PDF copies of interlibrary loan articles
- PDF copies of Georgia Tech Library print articles

PDF copies are sent directly to the requester’s ILLiad account.
ILLiad Requests
$25 Subsidy

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

• 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

• Over 95 percent of Georgia Tech’s physical collection has been moved to the Library Service Center (remote warehouse)
ILLiad Request Form - Books
Distance learning – Other
http://illiad.library.gatech.edu/

• Books will be delivered to only United States distance learning locations
  ➢ Loans of books owned by the Georgia Tech Library
  ➢ Interlibrary Loan of books (books not owned by the Georgia Tech Library)
• The Georgia Tech Library ships all books via UPS. Patrons are responsible for paying their own return shipping costs
• Books are not delivered outside of the U.S.
Additional Notes

Put any information in the “Additional 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 “Additional Notes” field, leaving out the abstract, author affiliation, and subject heading fields]
ILLiad Requests -- Contact
http://illiad.library.gatech.edu/

• For questions regarding your ILLiad requests contact Interlibrary Loan/LENGS (for distance learning) at
  ➢ **Phone**: 404-367-0427 (or toll free 1-888-225-7804; ask to be transferred)
  ➢ **Email**: customersupport@library.gatech.edu
Distance Learning

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

- Library Materials Request Forms and Procedures
  Other Off-Campus
  http://www.library.gatech.edu/services/distance/distance_other.php

OTHER OFF-CAMPUS

The LENDS service delivers books (to U.S. locations only) and copies of articles from the Georgia Tech Library's collection. Books are sent directly to the requester by UPS and should be returned by UPS or a similar service. Copies are sent directly to the requester's ILLiad account. There is no charge for this service.

Interlibrary Loan service obtains materials not owned by the Georgia Tech Library from other libraries or commercial suppliers. Books are sent directly to the requester (to U.S. locations only) by UPS and should be returned by UPS or a similar service. Copies of articles are sent directly to the requester’s ILLiad account. The Library subsidizes ILL requests up to $25.00 per item. You will be notified if charges exceed that amount.

All requests should be input using the ILLiad online interlibrary loan system. When you register with ILLiad, you must specify your STATUS as Distance Ed.

Register with ILLiad / Submit a Request
Selected Book Databases

http://libguides.gatech.edu/PMASE

- **GT Library Catalog** -- records for print and electronic books, journals, conferences, handbooks, guides, and other materials
- **Knovel Library** (science and engineering handbook database)
- **ENGnetBASE** now Taylor & Francis Engineering and Technology Collection -- engineering handbooks (formerly CRCnetBASE)
- **AccessEngineering** (two year pilot program until May 2019, McGraw-Hill engineering handbooks)
Library Catalog

Search for print books, e-books, GT theses, journal TITLES, archival materials, and other material in the GT Library collection

Print and Electronic

Left column -- "Research Tools"
   "Library Catalog"

http://www.library.gatech.edu
Articles

• For **photocopies (PDFs)** of individual **print** journal articles, conference papers, and brief book chapters **owned** by the Georgia Tech Library, fill out an **ILLiad** request form at **http://illiad.library.gatech.edu**

• **ejournals** – check e-journals for Georgia Tech Library **electronic journal** subscriptions. Check the **Catalog** for print and electronic journal holdings.
“Search Scope” (left, row) – drop down menu – “Library Catalog” or “GT Theses & Dissertations” – all Georgia Tech theses and dissertations are linked in Library Catalog records to SMARTech PDFs
Conduct a search, limiting to only **full text electronic items**, click on “**Full Text Online**” (under Availability)

- **Library Catalog**
- To limit to only **full text electronic items**, click on “**Full Text Online**” (under Availability)

- Conduct a search, limiting to only “**Library Catalog**”
- **Availability** (right column)
  - “**Full Text Online**” (full text electronic)
  - “**Available in Print**”
    - **Physical items** (usually **print** - hard copy) located in **one of the GT Library locations**
Library Catalog  Simple or Advanced Search

Search Tips:

• The **asterisk (*)** character can be used as a **wildcard** in place of one or more characters. Examples: *recycl*, *organiz*, *hymn*

• Enclosing your search in **quotes “ ”** will only return results with an **exact** match. Examples: "global warming" "Affordable Care Act" "mutual funds"

• Searches can also be **nested in ()**, combined with quotes """" and **Boolean operators** (AND, OR, NOT).

• Use **uppercase** letters. Example: ("World War II" AND (sites OR battles))
Limit by **Field** (left column): **Title, Author, Subject**

**ISSN, Call Number**
Sort by (right column, “Tweak my results”): Relevance, Date-newest, Author, Title

- # “versions of this record exist” “See all versions”
- “LOAD MORE RESULTS”
• Back to results list
• Permalink
• Print, E-mail, EndNote

If you are on-campus
• Get It (Request book); check print journal holdings
• Sign-in to request books
• Request for pick-up

Call Number
Microchip fabrication: a practical guide to semiconductor processing

Peter Van Zant, author.

Sixth edition...

Semiconductors -- Design and construction
Integrated circuits -- Design and construction

"This fully updated introduction to semiconductor manufacturing—the industry that drives high tech—offers a low-math, straightforward approach to the entire process, from raw materials through shipping the finished, packaged device."

New York: McGraw-Hill Education

2014
xxiii, 548 p.; 25 cm.

English

ISBN 9780071821018
ISBN 0071821015

TK7871.85 .V36 2014

Virtual Browse (by Call Number)
“View It” or “view full text” or “Full text available at:” or “View Online” or “online access” (electronic full text)
Library Catalog
Advanced Search
Drop-down menus

• “Search Scope” (top left)
  ➢ “Library Catalog” or
  ➢ “GT Theses & Dissertations”

• “Material Type” for Library Catalog (top right)
  ➢ “Books”
  ➢ “All Items”
  ➢ Limit to “Journals” (restrict to only journals)
Catalog Advanced Search
Drop-down menus

• “Search Scope”
  for “Everything” or for “Articles” searches full text.
  Use this sparingly.
  Many Library databases are NOT searched

• Right column
  ➢ Publication Date
  ➢ Material Type – Journals
Catalog Advanced Search
Drop-down menus

• **Left column**
  - Any field
  - Title
  - Author/creator
  - Subject
  - ISSN ; ISBN
  - Contains
  - is (exact)
  - starts with

  ➢ **ADD A NEW LINE**
Catalog – Print vs. Online

• Books and journals
  ➢ Can be both online ("View It" or "View Online") and print ("Get It“ - Request) within the same record
  or
  ➢ The Catalog may contain separate records for the print and electronic formats

• "The library also has physical copies" – the Catalog record has both electronic and print within the same record
Catalog – Journals

• To restrict your Catalog search to **only journals** (not books), **limit** a search to **Journals** ("Material Type") and to "Library Catalog" ("Search Scope")

• Each time a journal **changes its name**, there may be a **separate record** for each **title change**.

• Each "**title change**" record will have its **own holdings** information (coverage of years/volumes)
Catalog – Journals

• **Electronic journals** can also be searched by title or ISSN using the [eJournals](#) webpage (home page, left column "Research Tools" - "eJournals“)

• Fill out an [ILLiad](#) request form for **PDFs** of all [interlibrary loan journal/ conference papers](#) and also for PDFs of **print** [Georgia Tech Library](#) journals/conferences papers
Catalog – Journals

• Note the journal **holdings** information (**year and/or volume**) for **both** the **print** record (**"Get It"**) and the **electronic** record (**"View"**).

• For example, we may own volumes 1-30 in **print**, but not begin our **electronic** subscription until volume 31

• The e-Journals list and Catalog electronic journal records contain **aggregator** e-journals with possible **selective** coverage and **embargo** date restrictions (EBSCOhost, ProQuest, GaleGroup, Factiva, Lexis Nexis, etc.). If available, use the Library subscription choice
Library Catalog

**My Library Account** (after Sign In)

Here you can **save results** to My Favorites, create **alerts** for **saved searches**, and **renew** items.
Recall checked-out book

• **Borrowing Policies:**
  - All items are subject to Recall
  - The borrower is **guaranteed 21 total days** with items

• You can **“Recall”** any **checked-out book**

• For Recall, check-out, and circulation questions contact **Public Services** (phone 404-894-4500)

• For interlibrary loan/ILLiad questions, contact 404-367-0427
Requesting a “Recall” on a checked-out book prevents the student from keeping the book for the entire semester.
## Services to GT students

http://www.prism.gatech.edu/~bw21/databases-ser.htm

### Georgia Tech Library Services for Students

http://www.prism.gatech.edu/~bw21/databases-ser.htm

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</tr>
</tbody>
</table>

- Search hints [http://www.prism.gatech.edu/~bw21/databases-guides.htm](http://www.prism.gatech.edu/~bw21/databases-guides.htm)
- All Research Guides [http://libguides.gatech.edu/](http://libguides.gatech.edu/)
- All Databases [http://gtsearch.library.gatech.edu/search/](http://gtsearch.library.gatech.edu/search/)
- Distance Learning
URLs for selected Library databases may change

Have you experienced issues trying to access databases through the Georgia Tech Library website? It is likely due to our recent change to OpenAthens IP Authentication. If you have any access questions or database access problems, please contact ept@library.gatech.edu. This will allow us to establish an issues log and address the access issues systemically. Authentication service information is at http://weblog.library.gatech.edu/news, including changing permanently linked information ("Recent News" - right column: OpenAthens; Experiencing Issues with databases, etc.).

While accessing e-resources off-campus, you may notice an OpenAthens login screen. The OpenAthens screen will ask you to identify your home. Use the "Login via your institution: Other Institution Login" (box, right column of screen) then "Find your organization" to search for Georgia (Georgia Institute of Technology). See example. From there, use the Georgia Tech login service and you will be given access to the resource.

All Library databases: http://libguides.gatech.edu/az.php
Library home page (left column): "Research Tools" -- "Find Databases"
Off-campus
Initiate proxy server (or use VPN) for databases, e-books, and e-Journals

- If you are off-campus (and are not using VPN), you must begin at the Library’s homepage in order to initiate the proxy server http://www.library.gatech.edu (Catalog, Find Databases, Research Guides, eJournals). Will be asked for your GT Account and password
- Access my information remotely via VPN
- Virtual Private Network
- OIT – “Get Help”
Management and Business

• **Management and business Research Guides**
  
  ➢ **Management & business, Company, Industry, Georgia, International business**

  ➢ See the **tabs** at the top of the screen (**rows**):
    ▪ Company Profiles
    ▪ Industry Profiles
    ▪ Market Share
    ▪ Business Rankings
    ▪ Company directories
Database Search Hints
http://www.prism.gatech.edu/~bw21/databases-guides.htm

- Databases such as Compendex/Inspece, ProQuest databases, and Web of Science databases provide powerful search engine software:
  - Complex searches using nested **Boolean** operators (AND OR NOT)
  - **Combine multiple search statements**, such as Search history (top row “Results” – “View all results”) and Recent searches. Recombine search statements with statement numbers and keywords
  - **Multiple databases** can be searched together at the same time, removing duplicate records
Database Search Hints
http://www.prism.gatech.edu/~bw21/databases-guides.htm

• Powerful search engines – such as Compendex/Inspec, ProQuest databases, and Web of Science databases (continued):
  ➢ **Proximity operators**, such as **NEAR/#** (within # words) or **quotes** (“industrial engineering”)
  ➢ **Truncation** (often asterisk *), wildcards
  ➢ **Limit** to **field**: **Title**, **Subject** headings fields, **Author**, etc.
  ➢ **Avoid searching full text** fields (**ProQuest** – use “NOFT”)

• Most database vendors have **tutorials** or **search hints**. Look for Help, (?), Support, hints, etc.
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<th>Inspec and Compendex [EI Village]</th>
<th>Web of Science [Web of Science Core Collection, Medline, BIOSIS, Derwent Innovations (patents), and more] Clarivate Analytics (formerly Thomson Reuters)</th>
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<td>Operators</td>
<td>and or not</td>
<td>and or not</td>
<td>and or not</td>
<td>and or not</td>
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<tr>
<td>Adjacent Words</td>
<td>sound W system</td>
<td>&quot;sound system&quot; (quotations)</td>
<td>Quotes or brackets for exact phrase &quot;sound system&quot; with no truncation</td>
<td>&quot;genetic testing&quot; Use of quotation marks (&quot;_&quot;) disables lemmatization of terms</td>
</tr>
<tr>
<td>Words in Set Proximity</td>
<td>freedom W2 press</td>
<td>((&quot;micro electro&quot;) near/1 mechanical) or (&quot;microelectromechanical&quot;)</td>
<td>Quotes. <em>&quot;</em> Exact phrase. No truncation. [block and tackle] &quot;block and tackle&quot; [near earth objects]</td>
<td>phrase searching, exact phrase, enter phrase in quotation marks <em>&quot;</em></td>
</tr>
<tr>
<td>Set Proximity, Any Order</td>
<td>N2 removal</td>
<td>near/# -- two search terms, in any order, within &quot;}#&quot; number of words apart. (nursing NEAR/3 education) -- 3 means within 3 words. NOFT(radar NEAR/3 &quot;signal processing&quot;) ; (radar or antennae*) near/2 (infrared). pre/# -- one search term that appears within &quot;}#&quot; number of words before a second term. nursing PRE/4 education -- first term precedes the second term by 4 or fewer words.</td>
<td>The NEAR/# and ONEAR/# commands do not work with truncation, wildcards, parenthesis, quotes or braces. Within 0-# terms in any order: laser NEAR/4 diode. Within 0-# terms and in the order entered: laser ONEAR/5 diode. NEAR = NEAR/4</td>
<td>Proximity operator is NEAR/# operator; terms occur within a specified number of words within the same field. If no number is specified, the system defaults to 15. (child* NEAR/3 obe*) ; (radar or antennae*) NEAR/2 (infrared). For Web of Science Core Collection, SAME is used only in the address field; terms must occur within the same address: yale SAME hosp. To search an exact phrase, use quotation marks; example: &quot;signal processing&quot;</td>
</tr>
<tr>
<td>Wild Cards</td>
<td>womn cola?r after the 3rd character</td>
<td>Truncation is * asterisk. nurse* color* collo<em>r finds colour color; <em>engineer</em> (use left-hand * sparingly); ? for a single character; two ?? - exactly two characters; three ??? - exactly three characters; wom</em>n finds woman ? women; fib?? finds fiber or fibre.</td>
<td>Truncation is asterisk <em>. Comput</em> returns computerized. *sorption returns adsorption. h?emoglobin finds haemoglobin.</td>
<td>Truncation is asterisk * Zero or more characters, carbon* ; zero or one character, colo* ; one character only, en*oblast</td>
</tr>
<tr>
<td>Alternate Endings</td>
<td>psych* (limit of 50 index entries). Use ~ for plurals. Do not use * (modeling or modelling or modeled or modelled)</td>
<td>patent* Truncation is asterisk *</td>
<td>Truncation is asterisk (<em>) comput</em> ; Truncation and wild cards cannot be used within <em>&quot;</em> quotation marks or braces or used with NEAR/# or ONEAR/#.</td>
<td>patent* Truncation is * asterisk. osmium near/5 <em>hydroxyl</em> (*phosphate retrieves monophosphate, triphosphate, etc.). Left hand truncation may work in Web of Science Core Collection</td>
</tr>
</tbody>
</table>
## Database Commands Comparison Chart

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

<table>
<thead>
<tr>
<th>Search Options</th>
<th>First Search, Galaxy [WorldCat]</th>
<th>ProQuest [NTIS (reports), Aerospace, Materials, ProQuest Dissertations and more]</th>
<th>Inspec and Compendex [EI Village]</th>
<th>Web of Science [Web of Science Core Collection, Medline, BIOSIS, Derwent Innovations (patents), and more] Clarivate Analytics (formerly Thomson Reuters)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plurals</strong></td>
<td>wax+ mammal+ (for s or es)</td>
<td>patent* Truncation is asterisk *</td>
<td>Truncation is * asterisk. Automatically stemmed in &quot;Quick Search.&quot; Smanagement returns managing. Turn Autostemming on.</td>
<td>patent* Truncation is asterisk *</td>
</tr>
<tr>
<td><strong>Words in Specific Fields</strong></td>
<td>au:drucker, sh:rats, ti:polymers, de:(doppler n radar), su:(engineering), mh: (models w theoretical)</td>
<td>TI(cryptolog* and VLSI) and AU(sherman) SU(thesaurus subject) AU(author) AB(abstract) YR(2005-2009) TSLSU(model* or simul*). Multiple fields, separated by a comma. Remember: If(keywords/identifiers; may not limit correctly) Use NOFT to search all fields except the full text field: NOFT(biomedical engineer*)</td>
<td>(seatbelts OR (&quot;seat belts&quot;)) wn TI. Controlled terms (thesaurus) and Uncontrolled subject terms can be different for each database. Publication year coverage for controlled terms can differ.</td>
<td>TS=(nanotub* near/5 carbon) NOT (AU=Smalley R*); TI=engineer*; Web of Science Core Collection: AD=((georgia or GA) SAME tech)</td>
</tr>
<tr>
<td><strong>Specific Fields, Exactly</strong></td>
<td>au=&quot;clough wayne&quot; (use Browse Index)</td>
<td>Browse differs by database. Thesaurus (subject). Thesaurus browse -- Broader Terms, Related Terms. &quot;Look up Subjects&quot; &quot;Look up Authors&quot; su.exact(&quot;higher education&quot;)</td>
<td>Browse index by Author name (note initials, first names, spaces, commas, etc. after surname). Broader, narrower, related thesaurus terms.</td>
<td>Browse by first cited author’s name to find variants - author index icon (full first name, initials, space or no space). Browse publication name for variations. Search databases separately when needing the customized functions such as MESH headings in Medline, browsing or searching cited reference fields, or inventor name browse search in Derwent, etc.</td>
</tr>
<tr>
<td><strong>Searching Defaults</strong></td>
<td>Assumes &quot;and&quot; between words and</td>
<td>and</td>
<td>and</td>
<td></td>
</tr>
<tr>
<td><strong>Combine Searches; Alerts</strong></td>
<td>&quot;Previous Searches&quot; and or not</td>
<td>&quot;Advanced Search&quot; -- &quot;Recent searches&quot; - &quot;Combine searches&quot; (1 and 2) and (optic* or electrooptic*). Alerts, My Research.</td>
<td>Alerts. (Top row &quot;Results&quot; - &quot;View all results&quot;) &quot;Search history&quot; &quot;Combine searches&quot; (#2 AND (microelectr* wn TI)) NOT #1</td>
<td>Alerts. &quot;Search History&quot; &quot;Advanced Search&quot; &quot;Combine Sets&quot; (#2 AND #3) NOT #1</td>
</tr>
<tr>
<td><strong>Search multiple databases at the same time</strong></td>
<td>Search multiple databases at one time, removing duplicate records. Row at the top of the screen; click on Databases. Check only relevant databases, such as NTIS, Aerospace, Materials, ProQuest Dissertations and Theses, etc. Click on &quot;Use selected databases&quot;.</td>
<td>&quot;DATABASE&quot; - check relevant database boxes (check both Compendex and Inspec database boxes). Conduct search, click on &quot;Remove Duplicates&quot; (left side) then &quot;Database Preference&quot; (Inspec or Compendex)</td>
<td>To search all Clarivate Analytics databases, select &quot;All Databases&quot; from the drop down menu. To search selected Web of Science Core Collection databases: &quot;MORE SETTINGS&quot;.</td>
<td></td>
</tr>
</tbody>
</table>
Search Example:

1. model* OR simulat* OR algorithm*
2. bioengineer* OR biotech* OR ((biolog* or biomed*) and engineer*)
3. micromechan* OR nanoelectr* or (micro mechan*) or (nano electr*)
4. ((bioeng* OR "biomedical engineering") wn TI)
5. ((bioeng* OR biomed*) wn CV) or ((bioeng* OR biomed*) wn FL)
6. (#1 and #2 and #3) or (#4 or #5) and #3 and #1

(A1 or A2) AND (B1 or B2)

"OR" Boolean operator: "A1 or A2" - Keywords/phrases -- at least one of them must be in the record
[see also ProQuest definition of Boolean]
Narrow and Broaden Search Strategy

- If you retrieve **too many records**, **narrow your search** by
  - Creating an **additional set** (A1 or A2) AND (B1 or B2) AND (C1 or C2)
  - Restricting keywords to
    - **Title Field**, using title field codes such as TI=, wn TI, TI:
    - **Subject Headings (Thesaurus and Identifier Fields)**, such as Controlled Terms, Uncontrolled Terms, wn CV, wn FL, DE=, SU=, ID=, MH:, TI:
      - Use of **Proximity Operators** for adjacency, same field, within the same subfield, phrase searching, etc., such as quotes " ", SAME, NEAR/#, n2, w3, etc.
- If you retrieve **too few records**
  - Check for similar concepts in the **title**, **abstract** and **subject heading** fields (synonyms, etc.)
  - Look for concepts which have **equal importance** (A1 or A2) AND (B1 or B2 or D1 or D2)
- **Spell out acronyms and abbreviations**.
- Include **alternative spellings** such as modeled or modelling, fiber or fibre (British and American)
- Ask for help with **author names** (spaces, commas and format/variant differences).
- Check for **truncation** symbols (* ? +) and proximity operators
- Check for the ability to **manipulate previous search statements** or search history, such as (#7 or (#8 and engineer*)) not #6. Some systems allow combinations of search statement numbers and keywords.
- To **broaden** a search, combine terms using **OR** (results contain any specified term). To **narrow** the scope of a search, combine terms using **AND** (results contain all specified terms). To eliminate **previous** search statement numbers from a search, use the **NOT** operator. You can use parentheses to specify the order of operation. Terms and operations within the parenthesis are executed before terms and operations outside the parenthesis.
- Watch for truncation overflows.
Full text

- "Find It @ GT" and "Get fulltext copy" often will NOT work properly for conference/proceedings papers and for technical reports (in databases such as Inspec/Compendex, NTIS, Aerospace, etc.)

- Find It @ GT usually (but not always) works properly for journal articles
Databases organized by Subject
http://www.prism.gatech.edu/~bw21/databases.htm

Sample topics:
“Systems Engineering”
“Books”
“Citation Indexes” (cited references)

Company, Product and Industry
Patents
Technical reports
Selected Patent Databases

• **InnovationQ** Search for Patents and Applications, Non-Patent Literature, and Licensable Technology. Visualize research results and identify innovation **trends and market potentials**. Powered by IEEE and IP.COM. GT subscription. Number of users: 10

• **Derwent Innovations Index** 1963+ worldwide patents index. Includes **value-added** abstracts and titles
Selected Patents Databases

- **Patent Research Guide** ([USPTO](https://www.uspto.gov), [Espacenet](https://www.e Espacenet), etc.). **Full text** PDFs for all **U.S.** patents (1790+). Selective full text PDFs for patents of other countries

- **USPTO Patent Database** Full Page Images 1790 to present. Full text is searchable back to 1976; granted patents and patent applications

- **Espacenet. European Patent Office** (patents)
ProQuest databases
http://libguides.gatech.edu/PMASE

- **ProQuest** databases (multiple databases can be combined together). Use “NOFT” when searching ProQuest databases (to avoid searching full text), or narrow to specific field -- **TI** for title, **SU** for subject, **AU** for author, such as

  \[ \text{ti,su,ab(robot* AND model*) AND au(smith)} \]

- **ABI/Inform** -- Management science and business
- **ProQuest Dissertations & Theses** (many full text)
- Other ProQuest databases, such as [Advanced Technologies and Aerospace](http://libguides.gatech.edu/PMASE), [Materials](http://libguides.gatech.edu/PMASE), [Military](http://libguides.gatech.edu/PMASE), [general](http://libguides.gatech.edu/PMASE) interest, etc.
Do **NOT** check these two boxes for databases with no full text and/or no peer reviewed:

ProQuest – ABI/Inform (about half full text), NTIS, Advanced Technologies & Aerospace, Materials, ProQuest Dissertations, etc.

**Warning!**

• Do **NOT** “Limit to:” Full text or Peer reviewed for databases such as **NTIS** (technical reports, **no** full text and **no** peer reviewed), ProQuest **Dissertations** (**no** peer reviewed), **Aerospace** (technical reports are not peer reviewed, etc.)
• “Databases” -- (top row) – combine multiple databases – check relevant boxes
• NOFT – No Full Text. Search “Anywhere except full text”
• “Recent searches” – combine previous search statement lines
• Field, such as ti, su for title/subject fields
• near/# (within # words, any order)
• pre/# (within # words, in this order)
• Sort results by “Most recent first”
• Items per page - 100
Selected Library Databases

http://libguides.gatech.edu/PMASE

- **MathSciNet** 1940+ MathSci contains evaluative reviews and abstracts of the international research literature in **mathematics**, computer science, statistics, simulation, modelling, econometrics, and applications

- **Applied Science and Technology** database 1913+ index to **core** applied (trade) and scholarly journals
Inspeck and Compendex databases

- **Inspeck** 1896+ and **Compendex** 1884+ (Engineering Village/ Elsevier). Check both database boxes.
  - Indexes papers in journals and conference proceedings in all areas of engineering, including physics, electrical engineering and electronics, computers and control, information technology for business, and mechanical and production engineering.
  - Scholarly and applied. Good databases for systems engineering!
  - **Combine** both databases together into one search (check both boxes Inspeck and Compendex – under Databases, top left)
Inspection and Compendex: Indexes to conference and journal papers (check both boxes)

- **Inspection** -- physics, electrical engineering, computer engineering, communications, optics, photonics, electronics, computer science, computers, controls, simulation and modeling, biomedical technology, radar, electrical power, robotics, telecommunications, radio, mechanical and production engineering, and information technology for business

- **Compendex** -- All areas of engineering

- 20% **overlap** between Inspec and Compendex
- Search both Inspec and Compendex (check both boxes)

**PaperChem**: Pulp & paper index with chemical emphasis. **Knovel**: handbooks
Fast Searches in Inspec & Compendex
Quick search for a few papers on a topic

• **Limit By** (Drop down menus)
  - “Journal article” (Document Type)
    - Find It @ GT works properly for *most* (but not all) journal papers, but *seldom* works for conference papers
  - “English” (Language)
  - **Date** (*recent* range of years)

• To add **synonyms** to your search strategy, check:
  - Title, Abstract, Subject heading fields
  - **Thesauri** (online)
  - Bibliographies/references and footnotes in similar papers
Inspec 1896+ and Compendex 1884+

- **Autostemming - Turn ON.** Autostems all key words except for Author names and words in quotations and/or braces.
- Using truncation or wildcards will turn off the autostemming feature.
- **Truncation** is asterisk (*). Model*.
- Note: use left truncation with care (*sorption returns absorption).
- **Exact phrase** within **quotes (" ")**
- Select **both database boxes**, Inspec 1896+ and Compendex 1884+ (20% overlap).
- "**Search**" drop down menu (top row)
  - “Quick Search” or
  - “Expert Search”
Inspec 1896+ and Compendex 1884+

• **Proximity**
  - **Near/ #** keywords are **within** zero to # terms of each other, in **any order**. Example: laser NEAR/4 diode
  - **Onear/ #** – **within** zero to # terms, in **this order**
  - NEAR and ONEAR cannot be used with truncation, wildcards, parenthesis, braces or quotation marks
  - **Exact phrase**: use **quotes** “cost engineering”
  - **Autostemming** can be used with **proximity operators** since all of the terms are automatically stemmed. You cannot use proximity operators with stemming unless all the terms are stemmed

• **Search tips** (Compendex and Inspec):
  - IET Inspec LibGuide [http://libguides.gatech.edu/Inspec](http://libguides.gatech.edu/Inspec)
  - [http://www.prism.gatech.edu/~bw21/databases-guides.htm](http://www.prism.gatech.edu/~bw21/databases-guides.htm)
- **Databases** – Check **BOTH** database boxes Compendex & Inspec

- **Sort by**
  - Date (Newest)
  - Relevance

- **Date**
  - Published year X to year Y

- **Document type**
  - Journal article
  - Conference article

- **Browse indexes** (brings up pop-up screen)
  - **Author** (note author name variations)

- **Only Inspec “Treatment”** types are current
Inspec 1896+ and Compendex 1884+

- **Output.**
  - Default is “Citation” (brief info.)
  - Use “Detailed” or “Abstract” (for email, print, download – after “Select range” -- “Choose format”)

- **Remove Duplicates.**
  - Choose “Database Preference” Inspec
  - Duplicate records will be removed from the first 1000 records in the result set.

- **Display:** 100 results per page
Author Names

• Author formats differ in each database
• **INSPEC** - - Only author **initials**
• **Compendex** - - Author names are as written in paper (initials or first names)
• Use “**Browse** indexes” “**Author**”
  – Browse using **both spaces** and **commas** after surnames.
  – Browse with **and** without **middle initial**.
  – Also browse with **full** first name
“Browse indexes” (note author name variations)
“Search”
- Quick
- Expert
- Thesaurus
Inspec 1896+ and Compendex 1884+

**Search history** (top row “Results” - “View all results”)

- “Combine previous searches” in the **same databases**
- Manipulate **previous search statement** numbers with **Boolean operators** and **keywords**
- Can add keywords. “Search History” example:
  
  #1 and #2 and (laser* wn ti)

- Open a **Word document** and **keep track** of search statement **line numbers**

- **Alerts** and **Save Search** – **one line only**

- **Combined** search set is only one search statement line - one long string of keywords used in previous statements

- Example. “Combine” -- when combining search statements, the earlier search statement numbers are lost.

  #4 displays as a **string of keywords, not as** (#1 and #2 and #3)
Combine searches can also include **keywords**. Example: #1 AND #2 AND #3 AND ((Ehrfeld OR Borenstein) wn au)

Combine searches listed in the Search History as follows:

- (#1 AND #2)
- (#1 AND #2) OR (#3 AND #4)
- (#1 OR #3) NOT #2

Combine searches executed in the same database only.
• **Combined** (#4) does not say #1 and #2 and #3. It only gives keyword result (after Combined).
• Open a **Word file** and copy statement lines.
• **Email Alert** and **Save Search** both save only one line.
• **Session expires** after 30 minutes of inactivity.
• “Remove Duplicates” (from first 1000 records)
• Choose “No field preference” (there is no full text)

Do **NOT** choose “Has Full Text” – these databases have **no** full text (under “No field preference”)

- Create alert
- Save Search
- Display: 100

- Email selections
- Print selections
- Download

Sort on: Date (Newest)
• Session expires after 30 minutes of inactivity
• Select all boxes on one screen or check specific boxes
• **Output**: Choose “**Detailed**” or Abstract (**not** “Citation”). DOI # is only in “Detailed” record format
• E-mail or Print or Download records to avoid being timed out
• **Download** Format – EndNote, CSV, Excel, RTF, etc.
Abstract:
Four spectral analysis techniques were applied to pulsed Doppler ultrasonic quadrature to compare the relative merits of each technique for estimation of flow velocity and Doppler shift. The four techniques were (1) the fast Fourier transform method, (2) the maximum likelihood method, (3) the Burg autoregressive algorithm, and (4) the modified covariance approach to autoregressive modeling. Both simulated signals and signals obtained from an in vitro flow system were studied. Optimal parameter values (e.g. model orders) were determined for each method, and the signal-to-noise ratio and signal bandwidth were investigated. The modern spectral analysis techniques were shown to be superior to Fourier techniques in most circumstances, providing more accurate estimates of flow velocity and Doppler shift.
In four techniques were (1) the fast Fourier transform method, (2) the maximum likelihood method, (3) the Burg autoregressive algorithm, and (4) the modified covariance approach to autoregressive modeling. Both simulated signals and signals obtained from an in vitro flow system were studied. Optimal parameter values (e.g. model orders) were determined for each method, and the effects of signal-to-noise ratio and signal bandwidth were investigated. The modern spectral analysis techniques were shown to be superior to Fourier techniques in most circumstances, provided the model order was chosen appropriately. Robustness considerations tended to recommend the maximum likelihood method for both velocity and spectral estimation. Despite the restrictions of steady laminar flow, the results provide important basic information concerning the applicability of modern spectral analysis techniques to Doppler ultrasonic evaluation of arterial disease.

Number of references: 19

INSPEC controlled terms: biomedical ultrasonics | Doppler effect | haemodynamics | spectral analysis

Uncontrolled terms: optimal parameter values | spectral analysis techniques | blood flow velocity | spectral measurements | pulsed Doppler ultrasound | quadrature signals | maximum likelihood method | Burg autoregressive algorithm | simulated signals | in vitro flow system | model orders | signal-to-noise ratio | signal bandwidth | Fourier techniques | steady laminar flow | arterial disease

INSPEC classification codes: A8760B Sonic and ultrasonic radiation (medical uses) | A8770E Patient diagnostic methods and instrumentation | A8745H Haemodynamics, pneumodynamics

Treatment: Theoretical (THR); Experimental (EXP)

Discipline: Physics (A)

Database: INSPEC

Copyright 2003 IFF

• **Controlled** terms CV (INSPEC thesaurus terms)
• **Uncontrolled** terms FL
• “Find It @ GT” will work for most (but not all) journal articles.
• IEEE Xplore database: IEEE or IEE or IET journal & conference papers 1988 to present; selected papers before 1988. IEEE Xplore records are a subset of the Inspec/Compendex databases. Use IEEE Xplore as document delivery. IEEE Xplore lacks some papers, due to copyright restrictions, etc.
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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<tr>
<td>Accession number</td>
<td>99014521998</td>
</tr>
<tr>
<td>Title</td>
<td>Numerical study of an asymmetrical stenosis</td>
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<tr>
<td>Authors</td>
<td>Jin, Suo; Giddens, Don P.</td>
</tr>
<tr>
<td>Author affiliation</td>
<td>Georgia Inst of Technology and Emory Univ Sch of Medicine, Atlanta, GA, USA</td>
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<td>Source title</td>
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<td>ASME Bioeng Div Publ BED</td>
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<td>Advances in Bioengineering</td>
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<td>Publication year</td>
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<td>p 63-64</td>
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<td>Anaheim, CA, USA</td>
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<td>Publisher</td>
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</tbody>
</table>

**Conference paper record can use several fields**
- Serial/Source title:
- Conference name:
- Monograph title:
- Conference date:
- Conference location:
“Find It GT” works for most (but not all) journals, but often does not work for conference proceedings, very seldom works for technical reports, and does not work for patents.
“Find It @ GT” does not work, even though this conference is in the Library Catalog

**CONFERENCES PROCEEDING**


Available at Library Service Center General Collection - R856 .A2 A44 1998

**Title:** 1998 advances in bioengineering: presented at the 1998 ASME International Mechanical Engineering Congress and Exposition: November 15-20, 1998, Anaheim, California

**Author:** A. P Yoganathan (Ajit P.), 1951-; American Society of Mechanical Engineers. Bioengineering Division.; International Mechanical Engineering Congress and Exposition (1998 : Anaheim, Calif.)

**Subjects:** Bioengineering -- Congresses; Biomedical engineering -- Congresses; Biomechanics -- Congresses; Human mechanics -- Congresses; Prosthesis -- Congresses; Implants, Artificial -- Congresses

**Related Titles:** Series: BED ; v. 39.

**Publisher:** New York, N.Y. : American Society of Mechanical Engineers

Conference record is in Library Catalog
Records resulting from combined Compendex and Inspec database searches can include “Cited by in Scopus”.

Click on “41” to retrieve the 41 Scopus indexed articles that cite Burrow’s Inspec/Compendex indexed paper (Multi-beam...).
Web of Science -- All Databases
http://libguides.gatech.edu/PMASE

- **Web of Science “All Databases”**
  - Web of Science (1900+) can be combined (using “All Databases”) with other Clarivate Analytics databases, such as **Medline** (1950+biomedicine), **BIOSIS** (1926+biology), and **Derwent Innovations Index** (1963+ patents)
  - "All Databases" bottom left column "More settings" - can select which specific databases are searched, such as only Web of Science and Medline (check relevant boxes)
Web of Science
http://libguides.gatech.edu/PMASE

- **Web of Science** 1900+ (Clarivate Analytics, formerly Thomson Reuters)
  - Indexes **major** science and technology journals
  - Provides access to scientific literature (in **biology, medicine, chemistry**, etc.)
    - through **standard access** points (**keywords** etc.) and
    - **cited references** (from **bibliographies, references, footnotes**) published within a scholarly paper
Web of Science

• For cited references, search the first author named in the bibliography reference or footnote.

• Browse the author name ("Select from Index") to locate author name variations

• One or two initials, first name, etc.
Web of Science

Select a database: Web of Science Core Collection

- Basic Search
- Cited Reference Search
- Advanced Search

Find the articles that cite a person’s work.

Step 1: Enter information about the cited work. Fields are combined with the Boolean AND operator.

* Note: Entering the title, volume, issue, or page in combination with other fields may reduce the number of cited reference variants found.

Example: O’Brien C* OR OBrian C*

Cited Author

Example: J Comp* Appl* Math*

Cited Work

Example: 1943 or 1943-1945

Cited Year(s)

Additional fields:
- View abbreviation list
- TIMESPAN:
  - All years
  - From 1900 to 2017

Search
Ask for Help!

• For **in-depth and quick assistance** searching the Library databases, please contact

**Bette Finn**, Subject Librarian
Email: [bette.finn@library.gatech.edu](mailto:bette.finn@library.gatech.edu)
Phone: 404-894-1790