

IEEE and INSPEC

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Workshop Objectives

- IEEE Xplore
 - IEEE Collection
 - Searching the Database
 - Other Features
- INSPEC
 - INSPEC and INSPEC Archive Collection
 - IEEE vs. INSPEC
 - Searching in the INSPEC database
 - Other Features



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IEEE Xplore

<http://ieeexplore.ieee.org/>

- IEEE journals, transactions, letters, magazines (1988-), some (-1913)
- IEEE conference proceedings (1988-), some(-1953)
- IEEE standards (1948-)
- IET journals, letters, and magazines (1988-),(-1965)
- IET conference proceedings (1988-)
- IEEE books (1974-)

Note: IET is the new name of the IEE.

Features

- ① Alerts: Convenient TOC Alerts
- ② Browse:
 - Journals & Magazines, Conference Proceedings, Standards
- ③ Search:
 - Advanced Search, Author Search, Citation Search, CrossRef Search, Session History

Searching Tips

- Affiliation - Eg: Intel
- Wild cards: * and ?
- Exact phrase: “phrase”
- “Abstracts Plus” page
- Searches are case insensitive
- Search Engine finds stem variations (-s, -es, -ed, -ing)
- Ignores most punctuation

Summary of Field Codes

Elements that identify specific parts of an Abstract record

Field Name	Field Code	Field Name	Field Code
Abstract	ab	ISBN	in
Affiliation	cs	ISSN	in
All fields	metadata	Issue number	is
Author(s)	au	Issue part number	pt
Catalog number	ca	Meeting date	cy
CODEN	cn	Part number	pt
Conference date	cy	Publication name	jn
Document title	ti	Publication year	pyr
Editor(s)	au	Subject term	de
Full text	pdfdata	Title	ti
Index term	de	Volume	vo

Summary of Search Operators

Elements that express relationships between search expressions.

Operator	Syntax	Find Results that...
<and>	x <and> y	Match both expressions <i>x</i> and <i>y</i>
<or>	x <or> y	Match either expression <i>x</i> or <i>y</i> or both
<not>	<not> x	Do <i>not</i> match expression <i>x</i>
	x <not> y	Match expression <i>x</i> but <i>not</i> <i>y</i>
<in>	x <in> y	Match expression <i>x</i> in field <i>y</i> .
<paragraph>	x <paragraph> y	Match expressions <i>x</i> and <i>y</i> in same paragraph
<sentence>	x <sentence> y	Match expressions <i>x</i> and <i>y</i> in same sentence.
<phrase>	x <phrase> y	Match expressions <i>x</i> and <i>y</i> in same phrase.
<near>	x <near/> y z	Match expression <i>x</i> within <i>y</i> words of expression <i>z</i> .
<many>	<many> x	Match expression <i>x</i> , with results listed in score order based on density of <i>x</i> .
<order>	<order> x	Match order of terms in expression <i>x</i> .
<thesaurus>	<thesaurus> x	Match synonyms of <i>x</i> as well as <i>x</i> <i>itself</i> .
<wildcard>	<wildcard> `x`	Match variations or patterns. <code>[xy]</code> Match any letter <i>x</i> or <i>y</i> . <code>[^xy]</code> Match any letter <i>but</i> <i>x</i> or <i>y</i> . <code>{ab,xy}</code> Match string <i>ab</i> or <i>xy</i> .
<stem>	<stem> x	Match stem variations of <i>x</i> , don't score results.
<word>	<word> x	Match <i>x</i> exactly.

INSPEC & INSPEC Archive

- Produced in the United Kingdom by IEE
- OhioLink Research Databases
- **INSPEC (1969-)**
 - 4000+ scientific and technical journals
 - 2000+ published conference proceedings
- **INSPEC Archive (1898-1968)**
 - Historical back file of the INSPEC database
 - Includes entire collection of Science Abstracts Journals

Fields:

Physics, Electrical, Electronics, Communications, Control Engg, Computers and Computing, & IT, Production, Manufacturing, Mechanical Engg.

INSPEC Features

- Classification Codes
 - 4 Sections A, B, C, D
- Treatment Codes - indicates approach taken to subject
 - Applications, Bibliography (or) Literature Survey, Practical Aspects, etc.
- [Fields in the database](#) (see handout)

OSearch Searching Tips

- **BROWSE** = View alphabetic list of authors/ journals/ subjects
- **AND, OR, NOT**. Eg: *(online or internet) and voting*
- Omit punctuation, Case insensitive
- Field Qualification: *.<FQ>.*
- **\$** for truncation (wildcard), **?**
- **ALL FIELDS** = Words in title, abstract, author, subject, anywhere
- **AUTHOR NAME** = Any word in the author's name; put lastname first
- **SUBJECT** = Official vocabulary used for concepts in this database
- **LIMIT & SORT OPTIONS** = Restrict by: Lang., Year, Pub Type, etc.
- Bookmark records (Download, Export) & Search History

[More options...](#)

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OLinks Find It!

- Looks for full text of the journal article:
 - [Electronic Journal Center](#): OhioLINK collection of research journals
 - [EBSCO](#): Producer & Publisher of bibliographic and full-text databases
 - [Open Access Journals](#): Free, Full text scientific & scholarly journals
 - Individual library e-journal subscriptions
- Finds 95% journal articles, 50% conference proceedings
 - Journal articles: Use [Full Text Journals](#)
 - Conference proceedings: Search [UC Library Catalog](#) by conference name

IEEE Xplore vs. INSPEC

- IEEE Xplore
 - Covers only IEEE and IET
 - Full text for all articles available
- INSPEC
 - Covers a lot more including IEEE and IET articles
 - Full text not always available

Resources

- Workshop resources:
<http://engrlib.uc.edu/workshops/ieee/>
- Full Text Journals
- UC Library Catalog
- IEEE Xplore
- INSPEC (1969-)
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Questions?

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Thank You

Thank you for attending the workshop
Remember to take the survey !!