

Ei Compendex®
Ei Compendex 1970® (File 278)
Ei Compendex 1990® (File 288)
Engineering Index Backfile® (File 988)

FILE DESCRIPTION

The **Ei Compendex®** database is the machine-readable version of *Engineering Index*, which provides abstracted information from the world's significant engineering and technological literature. Ei Compendex provides worldwide coverage of more than 4,500 journals and selected government reports and books. Subjects include: civil, energy, environmental, geological, and biological engineering; electrical, electronics, and control engineering; chemical, mining, metals, and fuel engineering; mechanical, automotive, nuclear, and aerospace engineering; computers, robotics, and industrial robots. In addition to journal literature, there are more than 480,000 records of significant published proceedings of engineering and technical conferences formerly indexed in *Ei Engineering Meetings®*. **Ei Compendex 1990®** contains records from 1990 forward; **Ei Compendex 1970®** covers 1970 forward. **Engineering Index Backfile®** covers the time period 1884-1969. **ONTAP® Compendex, File 208**, is available for **ONline Training And Practice**

SUBJECT COVERAGE

- Aeronautical and Aerospace Engineering
- Applied Physics (High Energy, Plasma, Nuclear and Solid State)
- Bioengineering and Medical Equipment
- Chemical Engineering, Ceramics, Plastics and Polymers, Food Technology
- Civil and Structural Engineering, Environmental Technology
- Electrical, Instrumentation, Control Engineering, Power Engineering
- Electronics, Computers, Communications
- Energy Technology and Petroleum Engineering
- Engineering Management and Industrial Engineering
- Light and Optical Technology
- Marine Engineering, Naval Architecture, Ocean and Underwater Technology
- Mechanical Engineering, Automotive Engineering and Transportation
- Mining and Metallurgical Engineering, Materials Science

SOURCES

Publications from around the world are indexed, including approximately 2,600 journals, publications of engineering societies and organizations, approximately 600 conferences per year, technical reports, and monographs.

TIPS

USE EXPLODE (!)

to search narrower and related terms:
S COMPUTER SYSTEMS!

USE THE ONLINE THESAURUS

to check and select the thesaurus terms:
EXPAND (LASER BEAMS)

USE /MAJ LIMIT

to limit a search to major descriptors:
SELECT HAND HELD COMPUTERS/MAJ

DIALOG FILE DATA

Inclusive Dates: 1884 to the present (File 8)
 1970 to the present (File 278)
 1990 to the present (File 288)
 1884-1969 (File 988)
 Update Frequency: Closed (Files 208,988)
 Weekly (Files 278,288,8)

File Size:

More than 9.1M records as of February 2007 (File 8)
 Approximately 7.4M records (File 278)
 More than 4.7M records (File 288)
 More than 1.7 million records (File 988)

CONTACT

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SAMPLE RECORD

DIALOG(R)File 8: Ei Compendex(R)
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AN= 02121888 Monthly No: EIM8610-066399
/TI ANALYSIS OF RING, CUBE AND TREE MULTIMICROCOMPUTER SYSTEMS.
AU= Venkatasubramaniam, Kumar; Liu, Yu-cheng
CS= Reflectone Inc, Tampa, FL, USA
CT= Conference Title: Proceedings - IEEE 1986 Region 5 Conference.
CL=, CY=, CD= Conference Location: Lafayette, LA, USA Conference Date: 1986
Apr 8-11
SP= Sponsor: IEEE, Region 5, LA, USA
CN= E.I. Conference No.: 08322
SO= Source: IEEE Region 5 Conference 1986. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 86CH2304-4), Piscataway, NJ, USA p 150-155
PY= Publication Year: 1986
CO= CODEN: IRCOER
LA= Language: English
DT= Document Type: PA; (Conference Paper)
JA= Journal Announcement: 8610
/AB The performance of three types of interconnection schemes for large multimicrocomputer systems, namely, ring, binary cube, and tree networks, is analyzed. These systems are modeled as networks of queues, and analytical results are obtained for two performance measures: mean queue length at any node and mean time spent in system by a random message. The analytical results are then verified through simulation. The results are useful in the design and performance evaluation of multimicrocomputer systems because the need for expensive simulations is reduced or eliminated. 8 refs.

/DE Descriptors: *COMPUTERS, MICROCOMPUTER; COMPUTER SYSTEMS, DIGITAL--Multiprocessing; COMPUTER NETWORKS
/ID Identifiers: RING, CUBE AND TREE INTERCONNECTIONS; MULTIMICROCOMPUTER SYSTEMS; QUEUEING NETWORKS
CC= Classification Codes:
722 (Computer Hardware); 723 (Computer Software)
72 (COMPUTERS & DATA PROCESSING)

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S DIGITAL(L)MULTIPROCESS?
/AB	AB	Abstract	Word	S BINARY(W)CUBE/AB
/DE	DE	Descriptor ¹	Word & Phrase	S DIGITAL(L)MULTIPROCESS?/DE
/ID	ID	Identifier ²	Word & Phrase	S COMPUTER SYSTEMS/DE
/TI	TI	Title ³	Word	S TREE(W)INTERCONNECT?/ID
				S QUEUEING NETWORKS/ID
				S RING(W)CUBE(1W)TREE/TI

¹ Also /DF.

² Also /IF.

³ Does not include Conference Title, which is searchable with CT=.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	AN	DIALOG Accession Number		
AN=	AN	Ei Accession Number ⁴	Phrase	S AN=EIP911 10339809
AN=	AN	Ei Monthly Abstract Number ⁴	Phrase	S AN=EIM8610-066399
AU=	AU	Author	Phrase	S AU=LIU, YU-CHENG
—	AZ	DIALOG Accession Number		
BN=	BN	International Standard Book Number (ISBN) ⁵	Phrase	S BN=0-8155-0963-4
				S BN=0815509634
CC=	CC	CAL Classification Code ⁸	Phrase	S CC=723.1.1
CC=	CC	CAL Classification Heading	Word & Phrase	S CC=(DATA(W)PROCESSING)
				S CC=COMPUTER SOFTWARE
CD=	CD	Conference Date	Phrase	S CD=19860408
CL=	CL	Conference Location	Word	S CL=(LAFAYETTE AND LA)
CN=	CN	Ei Conference Number	Phrase	S CN=08322
CO=	CO	CODEN	Phrase	S CO=IRCOER
CS=	CS	Corporate Source	Word	S CS=(REFLECTONE AND USA)
CT=	CT	Conference Title ⁶	Word	S CT=(IEEE AND REGION(W)5)
CY=	CY	Conference Year	Phrase	S CY=1986
DT=	DT	Document Type	Phrase	S DT=CONFERENCE PAPER
				S DT=PA
—	II	Digital Object Identifier		
JA=	JA	Journal Announcement	Phrase	S JA=198610
JN=	JN	Journal Name ⁶	Phrase	S JN=IEEE REGION 5 CONF?
LA=	LA	Language	Phrase	S LA=FRENCH
NO=	NO	Article Number	Phrase	S NO=CH06365
PY=	PY	Publication Year	Word	S PY=1986:1988
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0001-6160
				S SN=00016160
SO=	SO	Source Information ⁷	Word	S SO=(IEEE(W)SERVICE(W)CENT?)
SP=	SP	Conference Sponsor	Word	S SP=(IEEE AND LA)
TC=	TC	Treatment Code	Phrase	S TC=GENERAL REVIEW
UD=	—	Update	Phrase	S UD=9999
YN=	YN	Ei Yearly Abstract Number ⁹	Phrase	S YN=EI84110006

⁴ Until May 1993, AN= entries are Ei Monthly Abstract Numbers. Numbers beginning only with the letters "EI" correspond to journal articles; numbers beginning with "EIM" correspond to meeting or conference publications. (Prior to 1989, "EIM" meeting numbers have no print equivalent.) Beginning in June 1993, AN= entries are Ei Accession Numbers, unique numbers added to records as they enter the Ei system.

⁵ Available only for records from January 1985 forward.

⁶ Also searchable using SO=.

⁷ Search and Display, depending on document type, may include: Conference Title, Conference Location, Conference Sponsor, Conference Date, Journal Name, Publication Year, Report Number, Volume, and Pagination.

⁸ Truncate the code for the complete retrieval.

⁹ The Yearly Ei Abstract Numbers correspond to the record's number in the printed "Engineering Index Annual." Present only in File 8.

Files 8,278,288,988
SPECIAL FEATURES

Ei Compendex®

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP DUP, HELP CURRENT online.

LIMIT	/ -- DIALOG Accession Number /ENG -- English Language /MAJ -- Major Descriptor /NONENG -- Non-English Language /YYYY -- Publication Year	S S3/02154001-99999999 S S12/ENG S COMPUTERS, MICROCOMPUTER/MAJ S S12/NONENG S BINARY(W)CUBE/1986:1987
SORT	AN, AU, CD, CS, CT, JN, PY, TI, YN	SORT S3/ALL/JN SORT S2/ALL/PY/D
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: CS, DE, ID	RANK DE RANK AU S4
RD, ID	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5
CURRENT	Search only the most recent year plus one (CURRENT1) to five (CURRENT5) years.	B 8 CURRENT2

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record except Abstract
3	Medium	Bibliographic Citation
4	--	Full Record with Tagged Fields
5	--	Full Record
6	Short	Title and Publication Year
7	Long	Full Record except Indexing
8	Free	Title, Indexing, and Publication Year
9	Full	Full Record
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/AU,TI,SO/1-5 PRINT S2/TI, CS, PY/ALL
TAG	Output can be displayed with tags identifying each display field.	TYPE S3/3/1-5 TAG PRINT S2/9/ALL TAG
DIRECT RECORD ACCESS	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 1082931/5 DISPLAY 1029361/AU,TI PRINT 1020671/9

FOR ONLINE HELP:

See HELP FIELDS 8 for searchable fields; HELP FORMAT 8 for output formats; HELP LIMIT 8 for limits; HELP RATES 8 for cost information; HELP SORT 8 for sorts.