DIALOG

8

Ei Compendex®

ONTAP® Ei Compendex® (File 208)

FILE DESCRIPTION

The **Ei Compendex**® database is the machine-readable version of the *Engineering Index* (monthly/annual), which provides abstracted information from the world's significant engineering and technological literature. The Compendex database provides worldwide coverage of approximately 4,500 journals and selected government reports and books. Subjects covered 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; and computers, robotics, and industrial robots. In addition to journal literature, over 480,000 records of significant published proceedings of engineering and technical conferences formerly indexed in *Ei Engineering Meetings*® are included in File 8.

ONTAP® Ei Compendex® is available for **ON**line **T**raining **A**nd **P**ractice; it contains over 30,000 records from several months of 1986 from File 8.

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.

DIALOG FILE DATA

Inclusive Dates: 1970 to the present (File 8)
January, February, March, November, and December 1986 (File 208)

Update Frequency: Weekly (File 8)
Closed (File 208)

File Size:
More than 4,136,000 records as of March 1998 (File 8)
30,022 records (File 208)

CONTACT

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SAMPLE RECORD

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                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 S COMPUTERS, MICROCOMPUTER/DE
/ID	ID	Identifier[2]	Word & Phrase	S (TREE AND INTERCONNECT?)/ID S QUEUEING NETWORKS/ID
/TI	TI	Title[3]	Word	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=EIP91110339809
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	Phrase	S CC=72 S CC=723 S CC=723.1 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
JA=	JA	Journal Announcement	Phrase	S JA=8610
JN=	JN	Journal Name [6]	Phrase	S JN=IEEE REGION 5 CONF?
LA=	LA	Language [7]	Phrase	S LA=FRENCH
PY=	PY	Publication Year	Phrase	S PY=1986:1988
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0001-6160 S SN=00016160
SO=	SO	Source Publication [8]	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=8710:9999
YN=	YN	Ei Yearly Abstract Number [4]	Phrase	S YN=EI84110006

[4] Through Update 9305, AN= entries are Ei Monthly Abstract Numbers. Numbers beginning only with the letters "EI" correspond to journal articles; numbers beginning with "EIM" correspond to the meeting or conference publications. Prior to 1989, "EIM" meeting numbers have no print equivalent. Beginning with Update 9306W1, AN= entries are Ei Accession Numbers, which begin with the letters EIP.

[5] Available only for records from January 1985 forward.

[6] Also searchable using SO=.

[7] To restrict results to the English language, refer to the Limiting section.

[8] Search field includes Journal Name, Conference Title, and Source. Display, depending on document type, may include: Conference Location, Conference Sponsor, Conference Title, Conference Date, Journal Name, Publication Year, Report Number, Volume, and Pagination.

SPECIAL FEATURES

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

LIMIT	**/ENG** (English Language) **/MAJ** (Major Descriptor) **/NONENG** (Non-English Language) **/YYYY** (Publication Year)	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 S13/ALL/JN/PY,D PRINT S5/5/ALL/AU/TI
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: 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
7	Long	Full Record except Indexing
8	Free	Title and Indexing
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
TAG	Output can be displayed with tags identifying each display field.	TYPE S3/3/1-5 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 1020671/5

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.