

SUBJECT INDEX

Activities sequences	24 (1988)681
Alternating sequential-parallel systems	24 (1988) 95
Application layer protocol	24 (1988)111
Asymmetric invalidation	24 (1988)723
Asynchronous VLSI systems	24 (1988)347
Automatic protocol generation	24 (1988)111
Autonomous mobile robot	24 (1988)411
B-HIVE multicomputer	24 (1988) 79
Backtracking	24 (1988)607
Behavioral testing techniques	24 (1988) 63
Behavioural simulation	24 (1988)213
Binary search algorithm	24 (1988) 95
Boolean equation	24 (1988)767
Branch execution	24 (1988)573
Branch instructions execution	24 (1988)565
Branch target buffer	24 (1988)573
Butterfly network	24 (1988)353
BW-monitor design	24 (1988)717
Cache parameters	24 (1988)541
CAD tools	24 (1988)767
CAE-workstations	24 (1988)541
Chip image	24 (1988) 29
CMOS	24 (1988) 23, 233, 339
CMOS technology	24 (1988)637
Co-processor for unification	24 (1988)607
Communication circuit	24 (1988)103
Communication memory	24 (1988)503
Communication strategy	24 (1988) 11
Communication virtual processor	24 (1988)511
Compiler	24 (1988)471
Computational model	24 (1988)599
Computer architecture	24 (1988)309
Computer audio research laboratory	24 (1988)443
Computer music	24 (1988)443
Computer network	24 (1988)103
Computer networks	24 (1988)197
Computer science	24 (1988)835
Computer vision	24 (1988)403
Concurrent primitives	24 (1988)257
Concurrent program design	24 (1988) 51, 809
Concurrent program flow checking	24 (1988)783
Concurrent system specification	24 (1988)483
Control	24 (1988)681
Controlled reduction model	24 (1988)607
Coprocessor	24 (1988)599
CPU-coprocessor communication and synchronization	24 (1988)695
Data acquisition automation	24 (1988)549
Data searching	24 (1988)655
Database modeling	24 (1988)249
Databases	24 (1988)599
Dataflow	24 (1988)663
Deadline	24 (1988)491
Decision mechanisms	24 (1988)801
Declarative programming	24 (1988)663

- Deductive databases 24 (1988)599
- DEOS 24 (1988)241
- Design for testability 24 (1988)233
- Design language 24 (1988) 35
- Design methodology 24 (1988) 43
- Design process 24 (1988)219
- Design specification 24 (1988)219
- Design tools 24 (1988) 29
- Digital systems design 24 (1988)227
- Distributed associative network 24 (1988)613
- Distributed computation 24 (1988)491
- Distributed control 24 (1988)607
- Distributed databases 24 (1988)249
- Distributed operating system 24 (1988)169, 179, 187, 519
- Distributed programs 24 (1988) 85
- Distributed software fault-tolerant real-time systems 24 (1988)801
- Distributed systems 24 (1988)511, 731, 793
- DSP 24 (1988)325

- Education 24 (1988)757
- Embedded ASICs 24 (1988)449
- Embedded control systems 24 (1988)663
- Embedded control systems programming 24 (1988)663
- Embedded multiprocessor systems 24 (1988) 85
- Embedded systems 24 (1988) 51, 775, 809
- Error detection 24 (1988)629
- Error retracing 24 (1988)461

- Fast Fourier transform 24 (1988)353
- Fault diagnosis 24 (1988)527
- Fault localization 24 (1988)461
- Fault modeling 24 (1988)233
- Fault propagation 24 (1988)723
- Fault recovery 24 (1988)775
- Fault tolerance 24 (1988)519
- Fault-tolerant 24 (1988)629
- Fifth compiler 24 (1988) 73
- Fixed point processor 24 (1988)695
- Floating point coprocessor 24 (1988)695
- Formal description language 24 (1988)363
- Formal description techniques 24 (1988) 51, 809
- Function language 24 (1988)227
- Functional microprocessor architecture 24 (1988)149
- Functional programs 24 (1988)613
- Fuzzy C-means algorithm 24 (1988)647
- Fuzzy clustering 24 (1988)647

- Galileo nets 24 (1988)483
- Global fanout correction 24 (1988) 43
- Global optimization 24 (1988)339
- Grinding machine control system 24 (1988)663

- Hardware description languages 24 (1988)219, 371
- Hardware realization of systolic algorithms 24 (1988)527
- Hardware simulation environment 24 (1988)291
- Hexagonal arithmetic array processors 24 (1988)629
- Hierarchical design 24 (1988) 29
- Hierarchical physical design system 24 (1988)131
- High level debugger 24 (1988)153
- High level language 24 (1988) 57, 85
- HLL directed architecture 24 (1988)701
- Hough transform 24 (1988)403
- Human interfaces 24 (1988)153
- Hypercube architectures 24 (1988)213

- IBM-PC 24 (1988)325
- Image processing 24 (1988)309
- Image registration system 24 (1988)315

Industrial controllers	24 (1988)775
Instruction set processor	24 (1988)149
Interactive programming tool	24 (1988) 73
Interconnection networks	24 (1988)731
Intermodel transformation	24 (1988)249
International banking	24 (1988) 11
Kernel	24 (1988)161
Knowledge based systems	24 (1988)315
Language coprocessor	24 (1988)701
Laser radar	24 (1988)411
Learning	24 (1988)681
Local area networks	24 (1988) 95, 761
Local optimization	24 (1988)339
Logic design	24 (1988) 35
Logic synthesis	24 (1988) 43, 125, 339
LOTOS	24 (1988)483
Matrix equations	24 (1988)681
Memory management unit	24 (1988)709
Message passing	24 (1988)519
Message-passing hardware	24 (1988)503
Microprocessor simulation	24 (1988)149
Micro systems architecture	24 (1988)103
Microcode	24 (1988)371
Microcode compaction	24 (1988) 17
Microprocessor debugging	24 (1988)149
Microprocessor network	24 (1988) 85
Microprocessors	24 (1988)371, 775
Modula-2	24 (1988)761
Multi level design verification system	24 (1988)137
Multi-microprocessor environment	24 (1988)581
Multi-transputer architectures	24 (1988)281
Multi-transputer net	24 (1988)291
Multilevel digital simulation	24 (1988)299
Multilevel system software	24 (1988) 63
Multiple fault diagnosis	24 (1988)731
Multiplication algorithm	24 (1988)637
Multiprocessor	24 (1988)103, 389, 503, 599
Multiprocessor architecture	24 (1988)673
Multiprocessor environment	24 (1988)819
Music experiment	24 (1988)443
Music processing	24 (1988)435
Music publishing	24 (1988)549
Musical instrument simulator and workstation	24 (1988)555
Numerical stability	24 (1988)527
Oberon	24 (1988) 3
Object-oriented program design	24 (1988)257
Object-oriented system	24 (1988)241
Occam	24 (1988)169, 205, 291, 397, 491, 673, 757
Optimization	24 (1988)541
OR-ed dataflow	24 (1988)663
Parallel algorithms	24 (1988)655
Parallel architectures	24 (1988)197
Parallel computer architectures	24 (1988)363
Parallel computing	24 (1988)535
Parallel event administration	24 (1988)687
Parallel neural network simulation	24 (1988)621
Parallel parsing	24 (1988)819
Parallel processing	24 (1988)291, 747
Parallel processing system	24 (1988)511
Parallel programming	24 (1988)757
Parallelism	24 (1988)599
Parallelizing compiler	24 (1988) 79

PCTE	24 (1988)161
Performance	24 (1988)519
Performance evaluation	24 (1988)197
Performance studies	24 (1988)281
Petri net	24 (1988)471
Petri net semantics	24 (1988)267
Petri net models	24 (1988)197
Pipelined architecture	24 (1988)709
Polymorphic-torus architecture	24 (1988)737
Power applications	24 (1988)589
Predicate/transition sets	24 (1988)267
Process structure	24 (1988)187
Process technology	24 (1988) 29
Processor array	24 (1988)655
Processor interconnections	24 (1988)197
Programming paradigms	24 (1988)535
Prolog machine	24 (1988)607
Protocol description	24 (1988)205
Protocol design	24 (1988)483
Prototyping language	24 (1988)471
Quantitative analysis	24 (1988)197
Racah coefficients	24 (1988)535
Reachability analysis	24 (1988)809
Real-time	24 (1988)491, 519, 757
Real-time applications	24 (1988)717
Real-time process control and supervision	24 (1988)829
Real-time programming	24 (1988) 73
Real-time speech-synthesis	24 (1988)325
Real-time structured analysis	24 (1988)449
Real-time system design	24 (1988)379
Real-time systems	24 (1988)257, 687
Real-time systems education	24 (1988)835
Real-time data processing	24 (1988)411
Recognition system	24 (1988)425
Reduction machine	24 (1988)389
Relational database system	24 (1988)555
Risc architecture	24 (1988)565
Risc biprocessor architecture	24 (1988)589
Risc for image generation	24 (1988)581
Risc processor	24 (1988)573
Robot-arm control	24 (1988)673
Robotics	24 (1988)419
Robust software design	24 (1988)793
Safety-critical applications	24 (1988)371
Scheduling	24 (1988)681
Self-checking capability	24 (1988)637
Server-oriented systems	24 (1988)179
Simulation	24 (1988)205, 681
Simulation results evaluation	24 (1988)461
Single process multitasking system	24 (1988) 3
Single-chip microcomputers	24 (1988)783
Software development	24 (1988)179
Software engineering environment	24 (1988)161
Software training environment	24 (1988)761
Sparse matrix techniques	24 (1988)621
Specification and verification	24 (1988)371
Speech processing	24 (1988)397
State space modelling	24 (1988)793
Static and dynamic links	24 (1988)281
Stochastic force sensing	24 (1988)419
Strategical level	24 (1988)681
String processor architecture	24 (1988)747
Supercomputing	24 (1988) 17
Symbolic processing	24 (1988)599

Synchronization	24 (1988)187
System behaviour	24 (1988)227
System faults diagnosability	24 (1988)723
System level design	24 (1988)449
System level language	24 (1988) 57
System logic	24 (1988) 29
System programming	24 (1988) 57
System structure	24 (1988)227
System structuring	24 (1988)187
System timing	24 (1988)347
Systems modelling and analysis	24 (1988) 51, 809
Systolic arrays	24 (1988)527
Tactile data	24 (1988)425
Test pattern generation	24 (1988)233
Testability	24 (1988)275
Text and graphics integration	24 (1988)455
Timing correction	24 (1988) 43
Timing correction algorithm	24 (1988)125
Timing verification	24 (1988)125
Topology	24 (1988)275
Transformation rules	24 (1988)397
Transient fault tolerance	24 (1988)775
Translation lookaside buffer	24 (1988)709
Transputer	24 (1988)607
Transputer network	24 (1988) 73, 169, 389
Transputer-based accelerator	24 (1988)299
Transputers	24 (1988)275, 397, 403, 535, 673, 757
UNIX	24 (1988)761
Unlimited vocabulary	24 (1988)325
Validation and verification	24 (1988)809
Vector processing	24 (1988)743
Vectorized superminicomputer	24 (1988)743
Verification	24 (1988)137
VLSI	24 (1988)209
VLSI CAD tools	24 (1988)455
VLSI design	24 (1988)767
VLSI design methodology	24 (1988)371
VLSI implementation	24 (1988)737
VLSI serial multiplier	24 (1988)637
VLSI systolic architecture	24 (1988)647
VLSI-/370 microprocessor	24 (1988) 23, 29, 35, 43, 125, 131, 137
Wisdom	24 (1988)169
Workstations	24 (1988) 3, 11
WP-calculus	24 (1988)491