

Classification des ouvrages

The ACM Computing Classification System (1998)
(Association for computing machinery)

- A. General Literature
 - A.0 GENERAL
 - A.1 INTRODUCTORY AND SURVEY
 - A.2 REFERENCE (e.g., dictionaries, encyclopedias, glossaries)
 - A.m MISCELLANEOUS
- B. Hardware
 - B.0 GENERAL
 - B.1 CONTROL STRUCTURES AND MICROPROGRAMMING
 - B.1.0 General
 - B.1.1 Control Design Styles
 - B.1.2 Control Structure Performance Analysis and Design Aids
 - B.1.3 Control Structure Reliability, Testing, and Fault-Tolerance
 - B.1.4 Microprogram Design Aids
 - B.1.5 Microcode Applications
 - B.1.m Miscellaneous
 - B.2 ARITHMETIC AND LOGIC STRUCTURES
 - B.2.0 General
 - B.2.1 Design Styles
 - B.2.2 Performance Analysis and Design
 - B.2.3 Reliability, Testing, and Fault-Tolerance
 - B.2.4 High-Speed Arithmetic
 - B.2.m Miscellaneous
 - B.3 MEMORY STRUCTURES
 - B.3.0 General
 - B.3.1 Semiconductor Memories
 - B.3.2 Design Styles)
 - B.3.3 Performance Analysis and Design Aids
 - B.3.4 Reliability, Testing, and Fault-Tolerance
 - B.3.m Miscellaneous
 - B.4 INPUT/OUTPUT AND DATA COMMUNICATIONS
 - B.4.0 General
 - B.4.1 Data Communications Devices
 - B.4.2 Input/Output Devices
 - B.4.3 Interconnections (Subsystems)
 - B.4.4 Performance Analysis and Design Aids
 - B.4.5 Reliability, Testing, and Fault-Tolerance
 - B.4.m Miscellaneous

- B.5 REGISTER-TRANSFER-LEVEL IMPLEMENTATION
 - B.5.0 General
 - B.5.1 Design
 - B.5.2 Design Aids
 - B.5.3 Reliability and Testing
 - B.5.m Miscellaneous
- B.6 LOGIC DESIGN
 - B.6.0 General
 - B.6.1 Design Styles
 - B.6.2 Reliability and Testing
 - B.6.3 Design Aids
 - B.6.m Miscellaneous
- B.7 INTEGRATED CIRCUITS
 - B.7.0 General
 - B.7.1 Types and Design Styles
 - B.7.2 Design Aids
 - B.7.3 Reliability and Testing
 - B.7.m Miscellaneous
- B.8 PERFORMANCE AND RELIABILITY
 - B.8.0 General
 - B.8.1 Reliability, Testing, and Fault-Tolerance
 - B.8.2 Performance Analysis and Design Aids
 - B.8.m Miscellaneous
- B.m MISCELLANEOUS
- C. Computer Systems Organization
 - C.0 GENERAL
 - C.1 PROCESSOR ARCHITECTURES
 - C.1.0 General
 - C.1.1 Single Data Stream Architectures
 - C.1.2 Multiple Data Stream Architectures (Multiprocessors)
 - C.1.3 Other Architecture Styles
 - C.1.4 Parallel Architectures
 - C.1.m Miscellaneous
 - C.2 COMPUTER-COMMUNICATION NETWORKS
 - C.2.0 General
 - C.2.1 Network Architecture and Design
 - C.2.2 Network Protocols
 - C.2.3 Network Operations
 - C.2.4 Distributed Systems
 - C.2.5 Local and Wide-Area Networks
 - C.2.6 Internetworking
 - C.2.m Miscellaneous
 - C.3 SPECIAL-PURPOSE AND APPLICATION-BASED SYSTEMS
 - C.4 PERFORMANCE OF SYSTEMS
 - C.5 COMPUTER SYSTEM IMPLEMENTATION
 - C.5.0 General
 - C.5.1 Large and Medium ("Mainframe") Computers
 - C.5.2 Minicomputers
 - C.5.3 Microcomputers
 - C.5.4 VLSI Systems

- C.5.5 Servers
 - C.5.m Miscellaneous
- C.m MISCELLANEOUS
- D. Software
 - D.0 GENERAL
 - D.1 PROGRAMMING TECHNIQUES
 - D.1.0 General
 - D.1.1 Applicative (Functional) Programming
 - D.1.2 Automatic Programming
 - D.1.3 Concurrent Programming
 - D.1.4 Sequential Programming
 - D.1.5 Object-oriented Programming
 - D.1.6 Logic Programming
 - D.1.7 Visual Programming
 - D.1.m Miscellaneous
 - D.2 SOFTWARE ENGINEERING
 - D.2.0 General
 - D.2.1 Requirements/Specifications
 - D.2.2 Design Tools and Techniques
 - D.2.3 Coding Tools and Techniques
 - D.2.4 Software/Program Verification
 - D.2.5 Testing and Debugging
 - D.2.6 Programming Environments
 - D.2.7 Distribution, Maintenance, and Enhancement
 - D.2.8 Metrics
 - D.2.9 Management
 - D.2.10 Design
 - D.2.11 Software Architectures
 - D.2.12 Interoperability
 - D.2.13 Reusable Software
 - D.2.m Miscellaneous
 - D.3 PROGRAMMING LANGUAGES
 - D.3.0 General
 - D.3.1 Formal Definitions and Theory
 - D.3.2 Language Classifications
 - D.3.3 Language Constructs and Features
 - D.3.4 Processors
 - D.3.m Miscellaneous
 - D.4 OPERATING SYSTEMS
 - D.4.0 General
 - D.4.1 Process Management
 - D.4.2 Storage Management
 - D.4.3 File Systems Management
 - D.4.4 Communications Management
 - D.4.5 Reliability
 - D.4.6 Security and Protection
 - D.4.7 Organization and Design
 - D.4.8 Performance
 - D.4.9 Systems Programs and Utilities
 - D.4.m Miscellaneous

- D.m MISCELLANEOUS
- E. Data
 - E.0 GENERAL
 - E.1 DATA STRUCTURES
 - E.2 DATA STORAGE REPRESENTATIONS
 - E.3 DATA ENCRYPTION
 - E.4 CODING AND INFORMATION THEORY
 - E.5 FILES
 - E.m MISCELLANEOUS
- F. Theory of Computation
 - F.0 GENERAL
 - F.1 COMPUTATION BY ABSTRACT DEVICES
 - F.1.0 General
 - F.1.1 Models of Computation
 - F.1.2 Modes of Computation
 - F.1.3 Complexity Measures and Classes
 - F.1.m Miscellaneous
 - F.2 ANALYSIS OF ALGORITHMS AND PROBLEM COMPLEXITY
 - F.2.0 General
 - F.2.1 Numerical Algorithms and Problems
 - F.2.2 Nonnumerical Algorithms and Problems
 - F.2.3 Tradeoffs between Complexity Measures
 - F.2.m Miscellaneous
 - F.3 LOGICS AND MEANINGS OF PROGRAMS
 - F.3.0 General
 - F.3.1 Specifying and Verifying and Reasoning about Programs
 - F.3.2 Semantics of Programming Languages
 - F.3.3 Studies of Program Constructs
 - F.3.m Miscellaneous
 - F.4 MATHEMATICAL LOGIC AND FORMAL LANGUAGES
 - F.4.0 General
 - F.4.1 Mathematical Logic
 - F.4.2 Grammars and Other Rewriting Systems
 - F.4.3 Formal Languages
 - F.4.m Miscellaneous
 - F.m MISCELLANEOUS
- G. Mathematics of Computing
 - G.0 GENERAL
 - G.1 NUMERICAL ANALYSIS
 - G.1.0 General
 - G.1.1 Interpolation
 - G.1.2 Approximation
 - G.1.3 Numerical Linear Algebra
 - G.1.4 Quadrature and Numerical Differentiation
 - G.1.5 Roots of Nonlinear Equations
 - G.1.6 Optimization
 - G.1.7 Ordinary Differential Equations
 - G.1.8 Partial Differential Equations
 - G.1.9 Integral Equations
 - G.1.m Miscellaneous

- G.2 DISCRETE MATHEMATICS
 - G.2.0 General
 - G.2.1 Combinatorics
 - G.2.2 Graph Theory
 - G.2.3 Applications
 - G.2.m Miscellaneous
- G.3 PROBABILITY AND STATISTICS
- G.4 MATHEMATICAL SOFTWARE
- G.m MISCELLANEOUS
- H. Information Systems
 - H.0 GENERAL
 - H.1 MODELS AND PRINCIPLES
 - H.1.0 General
 - H.1.1 Systems and Information Theory
 - H.1.2 User/Machine Systems
 - H.1.m Miscellaneous
 - H.2 DATABASE MANAGEMENT
 - H.2.0 General
 - H.2.1 Logical Design
 - H.2.2 Physical Design
 - H.2.3 Languages
 - H.2.4 Systems
 - H.2.5 Heterogeneous Databases
 - H.2.6 Database Machines
 - H.2.7 Database Administration
 - H.2.8 Database Applications
 - H.2.m Miscellaneous
 - H.3 INFORMATION STORAGE AND RETRIEVAL
 - H.3.0 General
 - H.3.1 Content Analysis and Indexing
 - H.3.2 Information Storage
 - H.3.3 Information Search and Retrieval
 - H.3.4 Systems and Software
 - H.3.5 Online Information Services
 - H.3.6 Library Automation
 - H.3.7 Digital Libraries
 - H.3.m Miscellaneous
 - H.4 INFORMATION SYSTEMS APPLICATIONS
 - H.4.0 General
 - H.4.1 Office Automation
 - H.4.2 Types of Systems
 - H.4.3 Communications Applications
 - H.5 INFORMATION INTERFACES AND PRESENTATION (e.g., HCI)
 - H.5.0 General
 - H.5.1 Multimedia Information Systems
 - H.5.2 User Interfaces
 - H.5.3 Group and Organization Interfaces
 - H.5.4 Hypertext/Hypermedia
 - H.5.5 Sound and Music Computing
 - H.5.m Miscellaneous

- H.m MISCELLANEOUS
- I. Computing Methodologies
 - I.0 GENERAL
 - I.1 SYMBOLIC AND ALGEBRAIC MANIPULATION
 - I.1.0 General
 - I.1.1 Expressions and Their Representation
 - I.1.2 Algorithms
 - I.1.3 Languages and Systems
 - I.1.4 Applications
 - I.1.m Miscellaneous
 - I.2 ARTIFICIAL INTELLIGENCE
 - I.2.0 General
 - I.2.1 Applications and Expert Systems
 - I.2.2 Automatic Programming
 - I.2.3 Deduction and Theorem Proving
 - I.2.4 Knowledge Representation Formalisms and Methods
 - I.2.5 Programming Languages and Software
 - I.2.6 Learning
 - I.2.7 Natural Language Processing
 - I.2.8 Problem Solving, Control Methods, and Search
 - I.2.9 Robotics
 - I.2.10 Vision and Scene Understanding
 - I.2.11 Distributed Artificial Intelligence
 - I.2.m Miscellaneous
 - I.3 COMPUTER GRAPHICS
 - I.3.0 General
 - I.3.1 Hardware Architecture
 - I.3.2 Graphics Systems
 - I.3.3 Picture/Image Generation
 - I.3.4 Graphics Utilities
 - I.3.5 Computational Geometry and Object Modeling
 - I.3.6 Methodology and Techniques
 - I.3.7 Three-Dimensional Graphics and Realism
 - I.3.8 Applications
 - I.3.m Miscellaneous
 - I.4 IMAGE PROCESSING AND COMPUTER VISION
 - I.4.0 General
 - I.4.1 Digitization and Image Capture
 - I.4.2 Compression (Coding)
 - I.4.3 Enhancement
 - I.4.4 Restoration
 - I.4.5 Reconstruction
 - I.4.6 Segmentation
 - I.4.7 Feature Measurement
 - I.4.8 Scene Analysis
 - I.4.9 Applications
 - I.4.10 Image Representation
 - I.4.m Miscellaneous
 - I.5 PATTERN RECOGNITION
 - I.5.0 General

- I.5.1 Models
 - I.5.2 Design Methodology
 - I.5.3 Clustering
 - I.5.4 Applications
 - I.5.5 Implementation
 - I.5.m Miscellaneous
- I.6 SIMULATION AND MODELING
 - I.6.0 General
 - I.6.1 Simulation Theory
 - I.6.2 Simulation Languages
 - I.6.3 Applications
 - I.6.4 Model Validation and Analysis
 - I.6.5 Model Development
 - I.6.6 Simulation Output Analysis
 - I.6.7 Simulation Support Systems
 - I.6.8 Types of Simulation
 - I.6.m Miscellaneous
- I.7 DOCUMENT AND TEXT PROCESSING
 - I.7.0 General
 - I.7.1 Document and Text Editing
 - I.7.2 Document Preparation
 - I.7.3 Index Generation
 - I.7.4 Electronic Publishing
 - I.7.5 Document Capture
 - I.7.m Miscellaneous
- I.m MISCELLANEOUS
- J. Computer Applications
 - J.0 GENERAL
 - J.1 ADMINISTRATIVE DATA PROCESSING
 - J.2 PHYSICAL SCIENCES AND ENGINEERING
 - J.3 LIFE AND MEDICAL SCIENCES
 - J.4 SOCIAL AND BEHAVIORAL SCIENCES
 - J.5 ARTS AND HUMANITIES
 - J.6 COMPUTER-AIDED ENGINEERING
 - J.7 COMPUTERS IN OTHER SYSTEMS
 - J.m MISCELLANEOUS
- K. Computing Milieux
 - K.0 GENERAL
 - K.1 THE COMPUTER INDUSTRY
 - K.2 HISTORY OF COMPUTING
 - K.3 COMPUTERS AND EDUCATION
 - K.3.0 General
 - K.3.1 Computer Uses in Education
 - K.3.2 Computer and Information Science Education
 - K.3.m Miscellaneous
 - K.4 COMPUTERS AND SOCIETY
 - K.4.0 General
 - K.4.1 Public Policy Issues
 - K.4.2 Social Issues
 - K.4.3 Organizational Impacts

- K.4.4 Electronic Commerce
 - K.4.m Miscellaneous
- K.5 LEGAL ASPECTS OF COMPUTING
 - K.5.0 General
 - K.5.1 Hardware/Software Protection
 - K.5.2 Governmental Issues
 - K.5.m Miscellaneous
- K.6 MANAGEMENT OF COMPUTING AND INFORMATION SYSTEMS
 - K.6.0 General
 - K.6.1 Project and People Management
 - K.6.2 Installation Management
 - K.6.3 Software Management
 - K.6.4 System Management
 - K.6.5 Security and Protection
 - K.6.m Miscellaneous
- K.7 THE COMPUTING PROFESSION
 - K.7.0 General
 - K.7.1 Occupations
 - K.7.2 Organizations
 - K.7.3 Testing, Certification, and Licensing
 - K.7.4 Professional Ethics
 - K.7.m Miscellaneous
- K.8 PERSONAL COMPUTING
 - K.8.0 General
 - K.8.1 Application Packages
 - K.8.2 Hardware
 - K.8.3 Management/Maintenance
 - K.8.m Miscellaneous
- K.m MISCELLANEOUS