

ALGORITHMS AND DATA STRUCTURES

**Handbook of Data Structures and Applications**

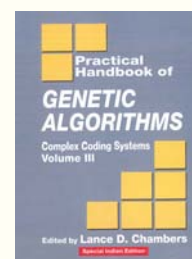
Dinesh P. Mehta and Sartaj Sahni

NEW**Contents:** Part-I: Fundamentals, Part-II: Priority Queues, Part-III: Dictionary Structures, Part-IV: Multidimensional and Spatial Structures, Part-V: Miscellaneous Data Structures, Part-VI: Data Structures in Languages and Libraries, Part-VII: Applications

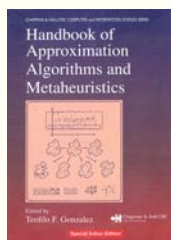
Rpt. 2014 9781584884354 1392 pp BSPT&F HB Rs. 5000.00

**Practical Handbook of Genetic Algorithms:
Complex Coding Systems, Vol. III**

Lance D. Chambers

NEW**Contents:** 1. A Lamarckian Evolution Strategy for Genetic Algorithms, 2. The Generalization and Solving of Timetable Scheduling Problems, 3. Implementing Fast and Flexible Parallel Genetic Algorithms, 4. Pattern Evolver, 5. Matrix-Based GA Representations in a Model of Evolving Animal Communication, 6. Algorithms to Improve the Convergence of a Genetic Algorithm with a Finite State Machine Genome, 7. A Synthesizable VHDL Coding of a Genetic Algorithm, 8. Genetic Algorithm Model Fitting, 9. A Hybrid Genetic Algorithm, Simulated Annealing and Tabu Search Heuristics for Vehicle Routing Problems with Time Windows, 10. Doing Gas with GAGS, 11. Memory Efficiency and Speed Enhancement Code for Gas, 12. Adaptive Portfolio Trading Strategies, 13. Population Size, Building Blocks, Fitness Landscape and Genetic Algorithm Search Efficiency in Combinatorial Optimization: An Empirical Study, 14. Experimental Results on the Effects of Multi-Parent Recombination: An Overview

Rpt.2014 9780849325397 572 pp BSPT&F HB Rs. 5000.00

**Handbook of Approximation Algorithms and Metaheuristics**

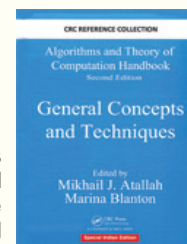
Teofilo F. Gonzalez

NEW**Contents:** Part-I: Basic Methodologies, Part-II: Local Search, Neural Networks, and Metaheuristics, Part-III: Traditional Applications, Part-IV: Computational Geometry and Graph Applications, Part-V: Large-Scale and Emerging Applications

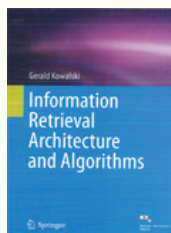
Rpt.2014 9781584885504 1432 pp BSPT&F HB Rs. 5000.00

**Algorithms and Theory of Computation Handbook,
General Concepts and Techniques, 2nd Ed., Vol. 1**

Atallah

NEW**Contents:** 1. Algorithms Design and Analysis Techniques 2. Searching 3. Sorting and Order Statistics 4. Basic Data Structures 5. Topics in Data Structures 6. Multidimensional Data Structures for Spatial Applications 7. Basic Graph Algorithms 8. Advanced Combinatorial Algorithms 9. Dynamic Graph Algorithms 10. External Memory Algorithms and Data Structures 11. Average Case Analysis of Algorithms 12. Randomized Algorithms 13. Pattern Matching in Strings 14. Text Data Compression Algorithms 15. General Pattern Matching 16. Computational Number Theory 17. Algebraic and Numerical Algorithms 18. Applications of FFT and Structured Matrices 19. Basic Notions in Computational Complexity 20. Formal Grammars and Languages 21. Computability 22. Complexity Classes 23. Reducibility and Completeness 24. Other Complexity Classes and Measures 25. Parameterized Algorithms 26. Computational Learning Theory 27. Algorithmic Coding Theory 28. Parallel Computation: Models and Complexity Issues 29. Distributed Computing: A Glimmer of a Theory 30. Linear Programming 31. Integer Programming 32. Convex Optimization 33. Simulated Annealing Techniques 34. Approximation Algorithms for NP-Hard Optimization Problems

Rpt.2013 9781584888222 988pp BSPCRC HB Rs. 3500.00

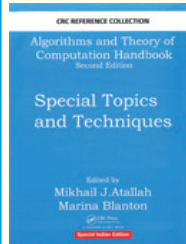
**Information Retrieval Architecture and Algorithms**

Gerald Kowalski

NEW**Contents:** 1. Information Retrieval System Functions, 2. Data Structures and Mathematical Algorithms, 3. Ingest, 4. Indexing, 5. Search, 6. Document and Term Clustering, 7. Information Presentation, 8. Search Architecture, 9. Information System Evaluation

Rpt. 2013 9788132210764 305 pp BSPSPR PB Rs. 825.00

ALGORITHMS AND DATA STRUCTURES



Algorithms and Theory of Computation Handbook, Special Topics and Techniques, 2nd Ed., Vol. 2

NEW

Atallah

Contents: 1. Computational Geometry I 2. Computational Geometry II 3. Computational Topology 4. Robot Algorithms 5. Vision and Image Processing Algorithms 6. Graph Drawing Algorithms 7. Algorithmics in Intensity-Modulated 8. Radiation Therapy 9. VLSI Layout Algorithms 10. Cryptographic Foundations 11. Encryption Schemes 12. Cryptanalysis 13. Crypto Topics and Applications I 14. Crypto Topics and Applications II 15. Secure Multiparty Computation 16. Voting Schemes 17. Auction Protocols 18. Pseudorandom Sequences and Stream Ciphers 19. Theory of Privacy and Anonymity 20. Database Theory: Query Languages 21. Scheduling Algorithms 22. Computational Game Theory: An Introduction 23. Artificial Intelligence Search Algorithms 24. Algorithmic Aspects of Natural Language Processing 25. Algorithmic Techniques for Regular Networks of Processors 26. Parallel Algorithms 27. Self-Stabilizing Algorithms 28. Theory of Communication Networks 29. Network Algorithmics 30. Algorithmic Issues in Grid Computing 31. Uncheatable Grid Computing 32. DNA Computing: A Research Snapshot 33. Computational Systems Biology 34. Pricing Algorithms for Financial Derivatives

Rpt. 2013

950pp

9781584888208

BSPCRC

HB

Rs. 3500.00

Handbook of Combinatorial Designs, 2nd Ed.

Charles J. Colbourn, Jeffrey H. Dinitz

NEW

Contents: 1. Introduction, 2. Block designs, 3. Latin squares, 4. Pair wise balanced designs, 5. Hadamard matrices and related designs, 6. Other combinatorial designs, 7. Related mathematics

Rpt. 2014

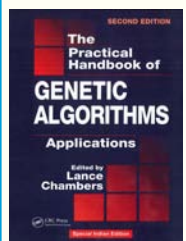
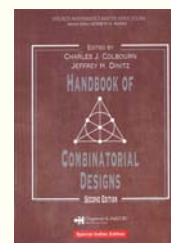
984pp

9781584885061

BSPCRC

HB

Rs. 5000.00



The Practical Handbook of Genetic Algorithms: Applications, 2nd Ed.

Lance D. Chambers

NEW

Contents: 1. Model Building, Model Testing, and Model Fitting, 2. Compact Fuzzy Models and Classifiers Through Model Reduction and Evolutionary Optimization, 3. On The Application of Reorganization Operators for Solving a Language Recognition Problem, 4. Using GA to optimize the Selection and Scheduling of Road Projects, 5. Decoupled Optimization of Power Electronics Circuits Using Genetic Algorithms, 6. Feature Selection and Classification in the Diagnosis of Cervical Cancer, 7. Algorithms for Multidimensional Scaling, 8. Genetic Algorithm-Based Approach for Transportation Optimization Problems, 9. Solving Job-Shop Scheduling Problems by means of Genetic Algorithms, 10. Applying the Implicit Redundant Representation Genetic Algorithm in an Unstructured Problem Domain, 11. How to Handle Constraints with Evolutionary Algorithms, 12. An Optimized Fuzzy Logic Controller for Active Power Factor Corrector using Genetic Algorithm, 13. Multilevel Fuzzy Process Control Optimized by Genetic Algorithm, 14. Evolving Neural Networks for Cancer Radiotherapy

Rpt. 2014

9781584882404

504 pp

BSPT&F

HB

Rs. 6000.00

Handbook of Bioinspired Algorithms and Applications

Stephan Olariu and Albert Y. Zomaya

NEW

Contents: **MODELS AND PARADIGMS** 1. Evolutionary Algorithms 2. An Overview of Neural Networks Models 3. Ant Colony Optimization 4. Swarm Intelligence 5. Parallel Genetic Programming: Methodology, History, and Application to Real-Life Problems 6. Parallel Cellular Algorithms and Programs 7. Decentralized Cellular Evolutionary Algorithms 8. Optimization via Gene Expression Algorithms 9. Dynamic Updating DNA Computing Algorithms 10. A Unified View on Metaheuristics and Their Hybridization 11. The Foundations of Autonomic Computing **APPLICATION DOMAINS** 12. Setting Parameter Values for Parallel Genetic Algorithms: Scheduling Tasks on a Cluster 13. Genetic Algorithms for Scheduling in Grid Computing Environments: A Case Study 14. Minimization of SADMs in Unidirectional SONET/WDM Rings Using Genetic Algorithms 15. Solving Optimization Problems in Wireless Networks Using Genetic Algorithms 16. Medical Imaging and Diagnosis Using Genetic Algorithms 17. Scheduling and Rescheduling with Use of Cellular Automata 18. Cellular Automata, PDEs, and Pattern Formation 19. Ant Colonies and the Mesh-Partitioning Problem 20. Simulating the Strategic Adaptation of Organizations Using OrgSwarm; 21. BeeHive: New Ideas for Developing Routing Algorithms Inspired by Honey Bee Behavior 22. Swarming Agents for Decentralized Clustering in Spatial Data 23. Biological Inspired Based Intrusion Detection Models for Mobile Telecommunication Systems 24. Synthesis of Multiple-Valued Circuits by Neural Networks; 25. On the Computing Capacity of Multiple-Valued Multiple-Threshold Perceptrons 26. Advanced Evolutionary Algorithms for Training Neural Networks 27. Bio-Inspired Data Mining 28. A Hybrid Evolutionary Algorithm for Knowledge Discovery in Microarray Experiments 29. An Evolutionary Approach to Problems in Electrical Engineering Design 30. Solving the Partitioning Problem in Distributed Virtual Environment Systems Using Evolutionary Algorithms 31. Population Learning Algorithm and Its Applications 32. Biology-Derived Algorithms in Engineering Optimization 33. Biomimetic Models for Wireless Sensor Networks 34. A Cooperative Parallel Metaheuristic Applied to the Graph Coloring Problem 35. Frameworks for the Design of Reusable Parallel and Distributed Metaheuristics 36. Parallel Hybrid Multiobjective Metaheuristics on P2P Systems

Rpt. 2013

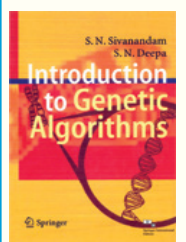
9781584884750

704 pp

BSPCRC

HB

Rs. 4200.00



Introduction to Genetic Algorithms

S.N. Sivanandam and S.N. Deepa

NEW

Contents: 1. Evolutionary Computation, 2. Genetic Algorithms, 3. Terminologies and Operators of GA, 4. Advanced Operators and Techniques in Genetic Algorithm, 5. Classification of Genetic Algorithm, 6. Genetic Programming, 7. Genetic Algorithm Optimization Problems, 8. Genetic Algorithm Implementation Using Matlab, 9. Genetic Algorithm Optimization in C/C++, 10. Applications of Genetic Algorithms, 11. Introduction to Particle Swarm Optimization and Ant Colony Optimization

Rpt. 2013

9788132211051

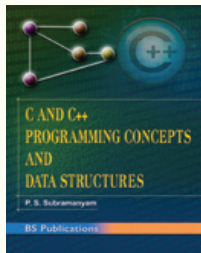
442 pp

BSPSPR

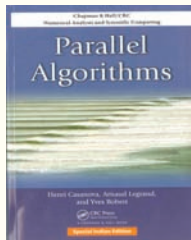
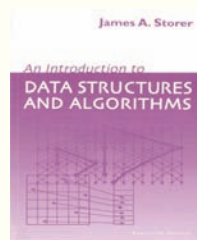
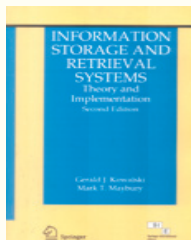
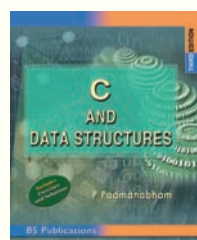
PB

Rs. 995.00

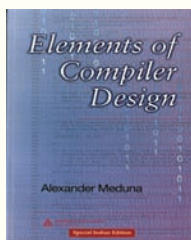
ALGORITHMS AND DATA STRUCTURES

**C and C++ Programming Concepts and Data Structures****NEW****P. S. Subramanyam**

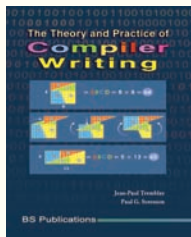
Contents: 1. Introduction to Computers 2. Basics of Programming 3. Declarations in C and C++ 4. Operators and Expressions 5. Input and Output Operations in C 6. Decision and Loop Control Statements 7. Arrays 8. Functions 9. Storage Class Modifiers 10. Pointers 11. Pre-processor Directives 12. Structure and Union 13. File Operations in C 14. Dynamic Memory Allocation - I (Linked Lists) 15. Dynamic Memory Allocation - II (Stacks and Queues) 16. Operations on Data Structures (Searching and Sorting) 17. Classes and Objects in C++ 18. Inheritance 19. Different Types of Overloading in C++ 20. Polymorphism 21. Input-output Operations In C++ 22. File Operations in C++ 23. Special Features in C++ 24. Abstract Data Type (Adt) Programs

2013**818 pp****978-81-7800-284-2****BSPBSP****Rs. 595.00****Parallel Algorithms****Henri Casanova, Arnaud Legrand and Yves Robert****Rpt. 2010
BSPT&F****337 pp****978-15-84889-45-8
*Rs. 795.00****An Introduction to Data Structures and Algorithms****J.A. Storer****Rpt. 2010 599 pp
BSPSPR****978-81-8489-081-5
Rs. 595.00****Information Storage and Retrieval Systems****Theory and Implementation, 2nd Ed.****Gerald J. Kowalski, Mark. T. Maybury****Rpt. 2009
BSPSPR****318 pp****978-81-8128-497-6
*Rs. 850.00****C & Data Structures, 3rd Rev. Ed.****P. Padmanabham****2009
BSPBSP****520 pp****978-81-7800-151-9
Rs. 225.00**

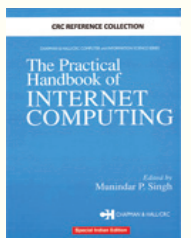
COMPILERS

**Elements of Compiler Design****Alexander Meduna**

Contents: 1. Introduction, 2. Lexical analysis, 3. Syntax analysis, 4. Deterministic top-down parsing, 5. Deterministic bottom-up parsing, 6. Syntax-directed translation and intermediate code generation, 7. Optimization and target code generation

Rpt.2012**286 pp****978-14-2006-323-3****BSPT&F*****Rs. 595.00****The Theory and Practice of Compiler Writing****Jean-Paul Tremblay & Paul G. Sorenson****2005
BSPBSP****796 pp****978-81-7800-077-0
Rs. 350.00****COMPUTER ARCHITECTURE****Computer Architecture: Fundamentals and Principles of Computer Design****Dumas****2008
BSPT&F****372 pp****978-0-84932-749-0
*Rs. 650.00**

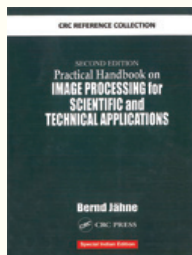
COMPUTING

**The Practical Handbook of Internet Computing****Singh**

Contents: 1. Applications, 2. Enabling Technologies, 3. Information Management, 4. Systems And Utilities, 5. Engineering And Management, 6. Systemic Matters

Rpt.2013**1144pp****9781584883814****BSPCRC****HB****Rs. 4200.00****Proceedings of International Conference on Advanced Computing Technologies****Chief Editor: Prof. P.S. Raju****Editor: Dr. S. Viswanadha Raju****2009****950 pp****978-81-7800-188-3****BSPBSP****HB****Rs. 2495.00**

COMPUTER GRAPHICS AND IMAGE PROCESSING



Practical Hand Book on Image Processing for Scientific and Technical Applications, 2nd Ed.

NEW

Bernd Jahne

Contents: 1. Introduction 2. Tasks And Tools, I. From Objects to Images, 3. Quantitative Visualization, 4. Image Formation, 5. Imaging Sensors 6. Digitalization and Quantization, II Handling and Enhancing Images, 7. Pixels, 8. Geometry, 9. Restoration and Reconstruction, III From Images to Features, 10. Neighborhoods, 11. Regions, 12. Edges and Lines, 13. Orientation and Velocity, 14. Scale and Texture, IV From Features To Objects, 15. Segmentation, 16. Size And Shape, 17. Classification

Rpt. 2013 585 pp

9780849319006

BSPCRC

HB

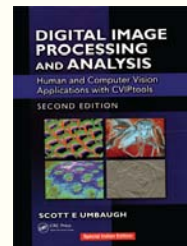
Rs. 3500.00

Digital Image Processing and Analysis: Human and Computer Vision Applications with CVIP tools, 2nd Ed.

NEW

Scott E Umbaugh

Contents: Section I Introduction to Digital Image Processing and Analysis 1. Digital Image Processing and Analysis 2. Computer Imaging Systems Section II Digital Image Analysis and Computer Vision 3. Introduction to Digital Image Analysis 4. Segmentation and Edge/Line Detection 5. Discrete Transforms 6. Feature Analysis and Pattern Classification Section III Digital Image Processing and Human Vision 7. Digital Image Processing and Visual Perception 8. Image Enhancement 9. Image Restoration and Reconstruction 10. Image Compression Section IV Programming and Application Development with CVIPtools 11. CVIPlab 12. Application Development 13. CVIPtools C® Function Libraries



Rpt.2013

977 pp

9781439802052

BSPCRC

HB

Rs. 1495.000



Digital Color Imaging Handbook

Gaurav Sharma and Raja Bala

Contents: 1. Color Fundamentals for Digital Imaging, 2. Visual Psychophysics and Color Appearance, 3. Physical Models for Color Prediction, 4. Color Management for Digital Imaging Systems, 5. Device Characterization, 6. Digital Color Halftones, 7. Human Visual Model Based Color Halftoning, 8. Compression of Color Images, 9. Color Quantization, 10. Gamut Mapping, Jan Morovic, University of Derby, 11. Efficient Color Transformation Implementation, 12. Color Image Processing for Digital Cameras,

Rpt. 2013

814 pp

9780849309007

BSPCRC

HB

Rs. 3995.00

Introduction to Fuzzy Logic using MATLAB

S.N Sivanandam, S. Sumathi and S.N. Deepa

Contents: 1. Introduction, 2. Classical and fuzzy sets, 3. Classical and fuzzy relations, 4. Membership Functions, 5. Defuzzification 6. Fuzzy Rule Based System, 7. Fuzzy Decision Making 8. Applications of Fuzzy Logic, 9. Fuzzy Logic Projects with Matlab.

Rpt. 2013

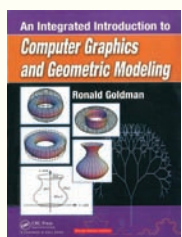
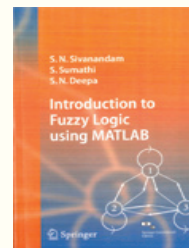
9788132211075

430 pp

BSPSPR

PB

Rs. 995.00



An Integrated Introduction to Computer Graphics and Geometric Modeling

Ronald Goldman

Contents: I. Two-Dimensional Computer Graphics: From Common Curves to Intricate Fractals 1. Turtle Graphics 2. Fractals from Recursive Turtle Programs 3. Some Strange Properties of Fractal Curves 4. Affine Transformations 5. Affine Geometry: A Connect-the-Dots Approach to Two-Dimensional Computer Graphics 6. Fractals from Iterated Function Systems 7. Fixed-Point Theorem and Its Consequences 8. Recursive Turtle Programs and Conformal Iterated Function Systems II. Mathematical Methods for Three-Dimensional Computer Graphics 9. Vector Geometry: A Coordinate-Free Approach 10. Coordinate Algebra 11. Some Applications of Vector Geometry 12. Coordinate-Free Formulas for Affine and Projective Transformations 13. Matrix Representations for Affine and Projective Transformations 14. Projective Space versus the Universal Space of Mass-Points 15. Quaternions: Multiplication in the Space of Mass-Points III. Three-Dimensional Computer Graphics: Realistic Rendering 16. Color and Intensity 17. Recursive Ray Tracing, 18. Surfaces I: The General Theory 19. Surfaces II: Simple Surfaces 20. Solid Modeling 21. Shading 22. Hidden Surface Algorithms 23. Radiosity, IV. Geometric Modeling: Freedom Curves and Surfaces 24. Bezier Curves and Surfaces 25. Bezier Subdivision 26. Blossoming 27. B-Spline Curves and Surfaces 28. Knot Insertion Algorithms for B-Spline Curves and Surfaces 29. Subdivision Matrices and Iterated Function Systems 30. Subdivision Surfaces

Rpt. 2012

9781439803349

543 pp

BSPT&F

PB

*Rs. 850.00

Applied Pattern Recognition

Bunke

Contents: 1. Skin-based Face Detection-Extraction and Recognition of Facial Expressions 2. Facial Image Processing 3. Face Recognition and Pose Estimation with Parametric Linear Subspaces 4. 4D Segmentation of Cardiac Data Using Active Surfaces with Spatiotemporal Shape Priors 5. Measuring Similarity Between Trajectories of Mobile Objects 6. Feature-Driven Emergence of Model Graphs for Object Recognition and Categorization 7. Texture Analysis by Accurate Identification of a Generic Markov-Gibbs Model

Rpt. 2011

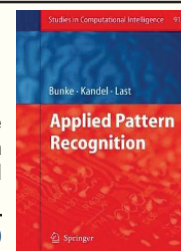
246 pp

978-81-848987-29

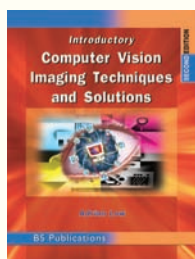
BSPSPR

PB

*Rs. 875.00



COMPUTER GRAPHICS AND IMAGE PROCESSING



Introductory Computer Vision, Imaging Techniques & Solutions, 2nd Ed.

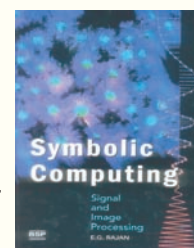
Adrian Low

2008 299 pp 978-81-7800-197-7
BSPBSP Rs. 250.00

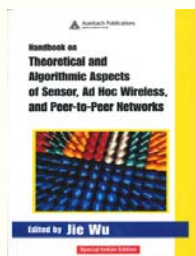
Symbolic Computing Signal and Image Processing (Includes LIPS Demo CD-ROM)

E. G. Rajan

2003 393 pp 81-7800-047-4
BSPBSP Rs. 1495.00



DATA COMMUNICATION / NETWORKS / WIRELESS



Handbook on Theoretical and Algorithmic Aspects of Sensor, Ad Hoc Wireless, and Peer-to-Peer Networks

Jie Wu

Contents: Section-I: Ad Hoc Wireless Networks, Section-II: Sensor Networks, Section-III: Peer-to-Peer Networks

Rpt.2014 9780849328329 876 pp BSPT&F HB Rs. 6000.00

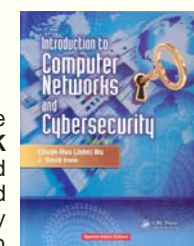
NEW

Introduction to Computer Networks and Cybersecurity

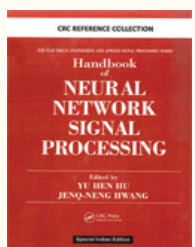
Chwan-Hwa (John) Wu; J. David Irwin

Contents: An Introduction to Information Networks **SECTION 1 — APPLICATIONS** • The Application Layer • DNS and Active Directory • XML-Based Web Services • Socket Programming • Peer-to-Peer (P2P) Networks and Applications **SECTION 2 — LINK AND PHYSICAL LAYERS** • The Data Link Layer and Physical Layer • The Ethernet and Switches • Virtual LAN, Class of Service, and Multilayer Networks • Wireless and Mobile Networks **SECTION 3 — NETWORK LAYER** • The Network Layer • IPv6 • Routing and Interior Gateways • Border Gateway Routing **SECTION 4 — TRANSPORT LAYER** • The Transport Layer • Packet Loss Recovery • TCP Congestion Control **SECTION 5 — CYBER SECURITY** • Cyber Security Overview • Firewalls • Intrusion Detection/Prevention System • Hash and Authentication • Symmetric Key Ciphers and Wireless LAN Security • Public Key Cryptography, Infrastructure and Certificates **SECTION 6 — EMERGING TECHNOLOGIES**

Rpt. 2013 9781466572133 1336 pp BSPT&F Rs. 895.00



NEW



Handbook of Neural Network Signal Processing

Hu

Contents: **PART I - NEURAL NETWORK FUNDAMENTALS** 1. Introduction to Artificial Neural Network for Signal Processing 2. Multilayer Perceptrons 3. Radial Basis Networks, Andrew Back Support Vector Machine 4. Committee Machines, **PART II - NEURAL NETWORK SOLUTIONS TO STATISTICAL SIGNAL PROCESSING PROBLEMS** 5. Applications of ANN to Nonlinear Signal Processing, 6. Applications of ANN to Blind Deconvolution and Source Separation 7. Adaptive Principle Component Analysis 8. Applications of ANN to System Identification 9. Applications of ANN to Time Series Prediction **PART III - SIGNAL PROCESSING APPLICATIONS USING NEURAL NETWORKS** 10. Applications of ANN to Speech Processing 11. Applications of ANN to Video Signal Processing 12. Applications of ANN to Biomedical Signal Processing 13. Hierarchical Fuzzy Neural Networks for

Pattern Classification

Rpt. 2013 408 pp 9780849323591 BSPCRC HB Rs. 2200.00

NEW

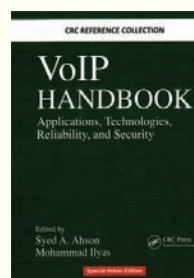
VoIP HandBook

Syed A. Ahson, Mohammad Ilyas

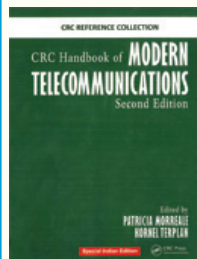
Contents: **Part I: INTRODUCTION**, 1. Deploying VoIP in Existing IP Networks, 2. Multipoint VoIP in Ubiquitous Environments, 3. VoIP in a Wireless Mobile Network, 4. SIP and VoIP Over Wireless Mesh Networks, **Part II: TECHNOLOGIES**, 5. Compression Techniques for VoIP Transport over Wireless Interfaces, 6. QOS Monitoring of Voice-Over-IP Services, 7. Current and Future VoIP Quality of Service Techniques, 8. Measurement and Analysis on the Quality of Skype VoIP, 9. QOE Assessment and Management of VoIP Services, 10. Delay Performance and Management of VoIP System, 11. SIP-based VoIP Traffic Behavior Profiling and Its Applications, 12. VoIP Over WLAN Performance, 13. Burst Queue for Voice over Multihop 802.11 Networks, 14. Radio Access Network VoIP Optimization and Performance on 3GPP HSPA/LTE, 15. Emerging Methods for Voice Transport Over MPLS; J. A. Zubairi, **Part III: APPLICATIONS**, 16. Implementation of VoIP at the University of Colima, 17. Multiparty Video Conferencing over Internet, 18. IMS Charging Management in Mobile Telecommunication Networks, 19. Commercial Interoperable VoIP IA Architecture; B. Sweeney and D. Wijesekera, **Part IV: RELIABILITY AND SECURITY**, 20. Security Issues of VoIP, 21. VoWLAN Security Assessment through CVSS, 22. Flash Crowds and Distributed Denial of Service Attacks, 23. Don't Let the VoIP Service to Become a Nuisance for Its Subscribers

Rpt. 2013 453 pp 9781420070200 BSPCRC HB Rs. 2500.00

NEW



DATA COMMUNICATION / NETWORKS / WIRELESS



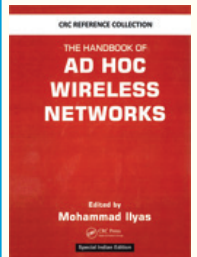
CRC Handbook of Modern Telecommunications, 2nd Ed.

NEW

Patricia Morreale and Kornel Terplan

Contents: 1. Voice and Data Communications, 2. Intranets, 3. Network Management and Administration, 4. Network Organization and Governance, 5. Future Telecommunications Services.

Rpt. 2013 9781420078008 679 pp BSPCRC HB Rs. 3500.00



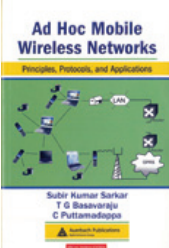
The Handbook of Ad Hoc Wireless Networks

NEW

ILYAS

Contents: 1. Body, Personal, and Local Ad Hoc Wireless Networks, 2. Multicasting Techniques in Mobile Ad Hoc Networks, 3. Quality of Service in Mobile Ad Hoc Networks, 4. Power-Conservative Designs in Ad Hoc Wireless Networks, 5. Performance Analysis of Wireless Ad Hoc Networks, 6. Coding for the Wireless Channel, 7. Unicast Routing Techniques for Mobile Ad Hoc Networks, 8. Satellite Communications, 9. Wireless Communication Protocols, 10. An Integrated Platform for Ad Hoc GSM Cellular Communications, 11. IEEE 802.11 and Bluetooth: An Architectural Overview, 12. Position-Based Routing in Ad Hoc Wireless Networks, 13. Structured Proactive and Reactive Routing for Wireless Mobile Ad Hoc Networks, 14. Hybrid Routing: The Pursuit of an Adaptable and Scalable Routing Framework for Ad Hoc Networks, 15. Adaptive Routing in Ad Hoc Networks, 16. Position Based Ad Hoc Routes in Ad Hoc Networks, 17. Route Discovery Optimization Techniques in Ad Hoc Wireless Networks, 18. Location-Aware Routing and Applications in Mobile Ad Hoc Wireless Networks, 19. Mobility Over TCP/IP, 20. An Intelligent On-Demand Multicast Routing Protocol in Ad Hoc Networks, 21. GPS-based Reliable Routing Algorithms in Ad Hoc Networks, 22. Power-Aware Wireless Mobile Ad Hoc Networks, 23. Energy Efficient Multicast in Ad Hoc Networks, 24. Energy-Conserving Grid Routing Protocol in Mobile Ad Hoc Networks, 25. Routing Algorithms for Balanced Energy Consumption in Ad Hoc Networks, 26. An Efficient Resource Discovery Algorithm for Wireless Ad Hoc Networks, 27. An Integrated Platform for Quality-of-Service Support in Mobile Multimedia Clustered Ad Hoc Networks, 28. Quality of Service Models for Ad Hoc Wireless Networks, 29. Scheduling of Broadcasts in Multihop Wireless Networks 30. Security in Wireless Ad Hoc Networks - A Survey, 31. Securing Mobile Ad Hoc Networks, 32. Security Issues in Ad Hoc Networks

Rpt. 2013 9780849313325 624 pp BSPCRC HB Rs. 3000.00

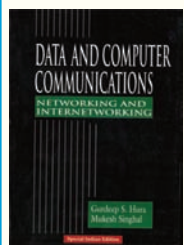


Ad Hoc Mobile Wireless Networks: Principles, Protocols and Applications

Subir Kumar Sarkar, Asis Kumar De and Souvik Sarkar

Contents: 1. Introduction 2. Mac layer protocols for ad hoc wireless networks 3. Routing protocols for ad hoc wireless networks 4. Multicast routing protocols for mobile ad hoc networks 5. Transport protocols for ad hoc networks 6. Quality of service ad hoc networks 7. Energy management system in ad hoc wireless networks 8. Mobility models for multi hop wireless networks 9. Cross layer design issues for ad hoc wireless networks 10. Applications and recent developments in ad hoc networks

Rpt. 2012 9781420062212 312 pp BSPT&F PB *Rs. 595.00

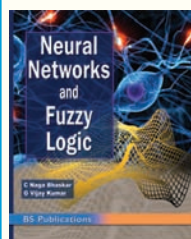


Data and Computer Communications: Networking and Internetworking

Gurdeep S. Hura and Mukesh Singhal

Contents: Part-I: Computer network applications and standardization, 1. Computer Networks and Standardization, Part-II: Fundamentals of Digital Communication and signaling, 2. Basic Concepts Of Data Communication and signaling, 3. Signal Transmission Basics, 4. Modes Of Communication Channel, 5. Transmission Media, 6. Telephone System, Part-III: Local Area Networking and internetworking, 7. Introduction To Local Area Networks (LANs), 8. IEEE LANs, 9. Nonstandard LANs and Internetworking, Part-IV: The OSI-RM architecture and Protocols, 10. Physical Layer, 11. Data Link Layer, 12. Network Layer, 13. Transport Layer, 14. Session Layer, 15. Presentation Layer, 16. Application Layer, 17. Internet: Services And Connections, Part-V: High-speed networking and internetworking, 18. Integrated Digital Network (IDN) Technology, 19. High Speed Networks, Part-VI: Client-Server LAN Implementation, 20. Client-Server computing Architecture

Rpt. 2011 1140 pp 9780849309281 BSPT&F Rs. 995.00



Neural Networks and Fuzzy Logic

C. Naga Bhaskar and G Vijay Kumar

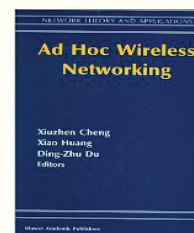
Contents: 1. Overview of Neural Networks 2. Fundamentals of Neural Networks 3. Feedforward Neural Networks 4. Neural Networks Architectures 5. Associative Memories 6. Introduction to Fuzzy Sets: Basic Definitions and Relations 7. Introduction to Fuzzy Logic 8. Fuzzy Control and Stability 8A. Advanced Process Control 8B. Fuzzy Logic Application

2011 BSPBPB 300 pp PB 978-93-81075-40-1 Rs. 250.00

Ad Hoc Wireless Networking

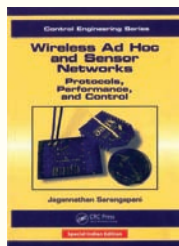
Cheng

Contents: 1. Introduction 2. Related Work 3. Formulation of Power-aware Routing 4. Online Power-aware Routing with max-min zP_{min} 5. Hierarchical Routing with max-min zP_{min} 6. Distributed Routing with max-min zP_{min}

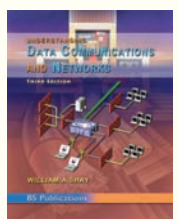
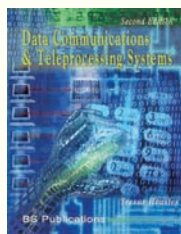


Rpt. 2011 BSPSPR 630 pp 978-81-84898-484 *Rs. 775.00

DATA COMMUNICATION / NETWORKS / WIRELESS

**Wireless Ad hoc and Sensor Networks: Protocols, Performance, and Control****Jagannathan Sarangapani**

Contents: 1. Background on Networking 2. Background 3. Congestion Control in Atm Networks and The Internet 4. Admission Controller Design for High-speed Networks: A Hybrid System Approach 5. Distributed Power Control of Wireless Cellular and Peer-to-peer Networks 6. Distributed Power Control and Rate Adaptation For Wireless Ad Hoc Networks 7. Distributed Fair Scheduling In Wireless Ad Hoc And Sensor Networks 8. Optimized Energy And Delay-based Routing In Wireless Ad Hoc and Sensor Networks 9. Predictive Congestion Control For Wireless Sensor Networks 10. Adaptive And Probabilistic Power Control Scheme For Rfid Reader Networks

Rpt. 2010**514 pp****978-0-8247-2675-1****BSPT&F*****Rs. 895.00****Understanding Data Communications and Networks, 3rd Ed.****William A. Shay****Rpt. 2008****978-81-7800-179-1****BSPBSP****766 pp
Rs. 495.00****Data Communications & Teleprocessing Systems, 2nd Ed****Trevor Housley****2005
BSPBSP****475 pp****978-81-7800-075-6
Rs. 300.00**

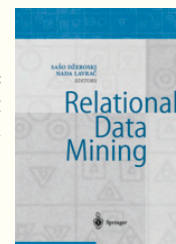
DATABASE / DATA MINING / DATA WAREHOUSE

**Handbook of Computational Group Theory****Derek F. Holt, Bettina Eick, Eamonn A. O'Brien**

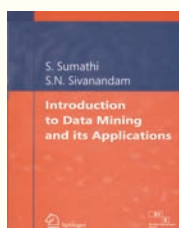
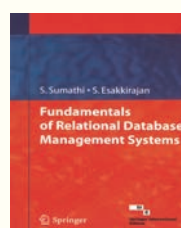
Contents: 1. History of Computational Group Theory, 2. Background Materials, 3. Representing Groups on a Computer, 4. Computation in Finite Permutation Groups, 5. Coset Enumeration, 6. Presentation of Given Groups, 7. Representations, cohomology, and Characters, 8. Computation with Polycyclic Groups, 9. Computing Quotients of Finitely Presented Groups, 10. Advanced Computations in Finite Groups, 11. Libraries and Databases, 12. Rewriting Systems, 13. Finite State Automata and Automatic Groups

Rpt. 2014**520 pp****9781584883722****BSPCRC****HB****Rs. 4000.00****NEW****Relational Data Mining****Dzeroski**

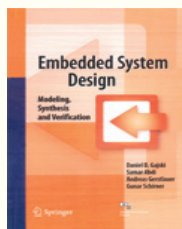
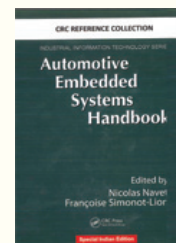
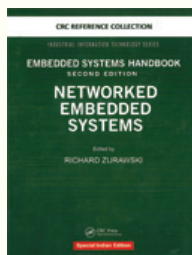
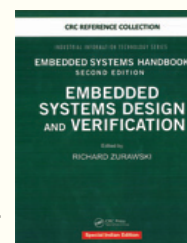
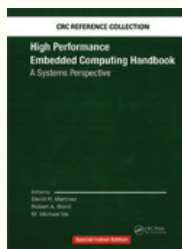
Contents: 1. Data Mining in Nutshell 2. Knowledge Discovery in Databases an Overview 3. An Introduction to Inductive Logic Programming 4. Inductive Logic Programming for Knowledge Discovery in Databases 5. Three Companions for Data Mining in First Order Logic 6. Inducing Classification and Regression Trees in First Order Logic 7. Relational Rule Induction with CPROGOL 4.4 A Tutorial Introduction 8. Discovery of Relational Association Rules 9. Distance Base Approaches to Relational Learning and Clustering 10. How to Upgrade Propositional Learners to First Order Logic: A Case Study 11. Propositionalization Approaches to Relational Data Mining 12. Relational Learning and Boosting 13. Learning Probabilistic Relational Models 14. Relational Data Mining Applications: An Overview 15. Four Suggestions and their Rule Concerning the Application of ILP 16. Internet Resources on ILP for KDD

Rpt. 2011**398 pp****978-81-322022-71****BSPSPR****PB*****Rs. 650.00****Web Data Mining: Exploring Hyperlinks, Contents, and Usage Data****Bing Liu**

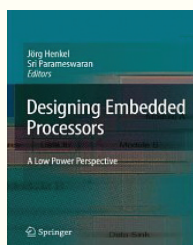
Contents: 1. Introduction **Part I: Data Mining Foundations** 2. Association Rules and Sequential Patterns 3. Supervised Learning 4. Unsupervised Learning 5. Partially Supervised Learning **Part II: Web Mining** 6. Information Retrieval and Web Search 7. Link Analysis 8. Web Crawling 9. Structured Data Extraction: Wrapper Generation 10. Information Integration 11. Opinion Mining 12. Web Usage Mining

Rpt. 2010**532 pp****978-81-8489-617-6****BSPSPR****PB*****Rs. 950.00****Introduction to Data Mining and its Applications****S. Sumathi and S.N. Sivanandam****Rpt. 2008
BSPSPR****828 pp
PB****978-81-8489-034-1
*Rs. 675.00****Fundamentals of Relational Database Management Systems****S. Sumathi and S. Esakkirajan****Rpt. 2008
BSPSPR****776 pp
PB****978-81-8489-009-9
*Rs. 650.00**

EMBEDDED SYSTEMS

**Embedded System Design: Modeling Synthesis and Verification****NEW****Daniel D. Gajski, Samar Abdi, Andreas Gerstlauer, Gunar Schirner****Contents:** 1. Introduction 2. System design methodologies 3. Modeling 4. System synthesis 5. Software synthesis 6. Hardware synthesis 7. Verification 8. Embedded design practice**Rpt. 2013****9788132211068****352 pp****BSPSPR****PB****Rs. 895.00****Automotive Embedded Systems Handbook****Nicolas Navet and Francoise Simonot-Lion****Contents:** **Part – I: Automotive Architectures**, 1. Vehicle Functional Domains and Their Requirements, 2. Application of the AUTOSAR Standard, 3. Intelligent Vehicle Technologies, **Part – II: Embedded Communications**, 4. A Review of Embedded Automotive Protocols, 5. FlexRay Protocol, 6. Dependable Automotive CANs, **Part – III: Embedded Software and Development Processes**, 7. Product Lines in Automotive Electronics, 8. Reuse of Software in Automotive Electronics, 9. Automotive Architecture Description Languages, 10. Model-Based Development of Automotive Embedded Systems, **Part – IV: Verification, Testing, and Timing Analysis**, 11. Testing Automotive Control Software, 12. Testing and Monitoring of FlexRay-Based Applications, 13. Timing Analysis of CAN-Based Automotive Communication Systems, 14. Scheduling Messages with Offsets on Controller Area Network A Major Performance Boost, 15. Formal Methods in the Automotive Domain: The Case of TTA**NEW****Rpt. 2013****9780849380266****470 pp****BSPCRC****HB****Rs. 3000.00****Embedded Systems Handbook, Networked Embedded Systems, 2nd Ed.****NEW****Richard Zurawski****Contents:** **Part I.** Networked Embedded Systems: An Introduction, **Part II.** Wireless Sensor Networks, Automotive Networked Embedded Systems, **Part III.** Networked Embedded Systems in Industrial Automation, **Part IV.** Networked Embedded Systems in Building Automation and Control**Rpt. 2013****9781439807613****837 pp****BSPCRC****HB****Rs. 3000.00****Embedded Systems Handbook, Embedded Systems Design and Verification, 2nd Ed.****Richard Zurawski****Contents:** **Part I:** System-Level Design and Verification, **Part II:** Embedded Processors and System-on-Chip Design, **Part III:** Embedded System Security and Web Services.**NEW****Rpt. 2013****9781439807552****666 pp****BSPCRC****HB****Rs. 3000.00****High Performance Embedded Computing Handbook: A Systems Perspective****NEW****David R. Martinez, Robert A. Bond, M. Michael Vai****Contents:** **Section I: Introduction**, 1. A Retrospective on High Performance Embedded Computing, 2. Representative Example of a High Performance Embedded Computing System, 3. System Architecture of a Multiprocessor System, 4. High Performance Embedded Computers: Development Process and Management Perspectives, **Section II: Computational Nature of High Performance Embedded Systems**, 5. Computational Characteristics of High Performance Embedded Algorithms and Applications, 6. Radar Signal Processing: An Example of High Performance Embedded Computing, **Section III: Front-End Real-Time Processor Technologies**, 7. Analog-to-Digital Conversion, 8. Implementation Approaches of Front-End Processors, 9. Application-Specific Integrated Circuits, 10. Field Programmable Gate Arrays, 11. Intellectual Property-Based Design, 12. Systolic Array Processors, **Section IV: Programmable High Performance Embedded Computing Systems**, 13. Computing Devices, 14. Interconnection Fabrics, 15. Performance Metrics and Software Architecture, 16. Programming Languages, 17. Portable Software Technology, 18. Parallel and Distributed Processing, 19. Automatic Code Parallelization and Optimization, **Section V: High Performance Embedded Computing Application Examples**, 20. Radar Applications, 21. A Sonar Application, 22. Communications Applications, 23. Development of a Real-Time Electro-Optical Reconnaissance System, **Section VI: Future Trends**, 24. Application and HPEC System Trends, 25. A Review on Probabilistic CMOS (PCMOS) Technology: From Device Characteristics to Ultra-Low-Energy SOC Architectures, 26. Advanced Microprocessor Architectures**Rpt. 2013****567 pp****9780849371974****BSPCRC****HB****Rs. 3500.00**

EMBEDDED SYSTEMS



Designing Embedded Processors: A Low Power Perspective

Henkel, Jörg; Parameswaran

Contents: 1. Application-Specific Embedded Processors 2. Low-Power Design with NISC Technology 3. Synthesis of Instruction Sets for High Performance and Energy Efficient ASIP 4. A Framework for Extensible Processor Based MPSoC Design 5. Design and Run Time Code Compression for Embedded Systems 6. Power Optimization Strategies Targeting the Memory Subsystem 7. Layer Assignment Techniques for Low Energy Multi-Layered Memory Organizations 8. Memory Bank Locality and its Usage in Reducing Energy Consumption 9. Fundamentals of Power Aware Scheduling 10. Static DVFS Scheduling 11. Dynamic DVFS Scheduling 12. Voltage Selection for time-constrained Multi-Processor Systems 13. Compilation Techniques for Power, Energy, and Thermal Management 14. Compiler-Directed Dynamic CPU Frequency and Voltage Scaling 15. Link Idle Period Exploitation for Network Power Management 16. Remote Task Mapping 17. A Power and Energy Perspective on Multi-Processors 18. System-level Design of Network on Chip Architectures 19. Power-Performance Modeling and Design for Heterogeneous Multiprocessors 20. Basic of Reconfigurable Computing 21. Dynamic Reconfiguration 22. Applications, Design Tools and Low Power Issues in FPGA Reconfiguration

Rpt. 2011

550 pp

978-81-84898-47-7

BSPSPR

PB

*Rs. 750.00

Embedded Systems Building Blocks, 2nd Ed.

Jean J. Labrosse

Contents: 1. Sample Code 2. Real-Time Systems Concepts 3. Keyboards 4. Character LCD Displays 5. Character LCD Models 6. Time-of-Day Clock 7. Timer Manager 8. Discrete I/Os 9. Fixed-Point Math 10. Analog I/Os 11. Asynchronous Serial Communications 12. PC Services

Rpt. 2011

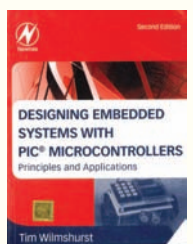
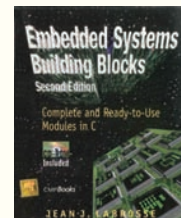
611 pp

978-93-80501-89-5

BSPELS

PB

*Rs. 1150.00



Designing Embedded Systems with PIC® Microcontrollers, 2nd Ed. Principles and Applications

Tim Wilmshurst

Contents: 1. Tiny Computers, Hidden Control 2. Introducing the PIC 16 series, and the 16F84A 3. Parallel Ports, Power Supply, and the Clock Oscillator 4. Starting to Program - An Introduction to Assembler 5. Building Assembler Programs 6. Working with Time: Interrupts, Counters, and Timers Unchanged 7. Larger Systems and the PIC 16883A 8. The Human and Physical Interface 9. Taking Timing Further 10. Starting with Serial 11. Data Acquisition and Manipulation 12. Smarter Systems and the PIC 18FXX2 13. The PIC 18FXX2 Peripherals 14. Introducing C 15. C and the Embedded Environment 16. Acquiring and Using Data with C 17. More C and the Wider C environment 18. Multi-tasking and the Real Time Operating System 19. The Salvo Real Time Operating System 20. Connectivity and Networks 21. A Zigbee project 22. A Survey of 16/32 bit PIC Microcontrollers, and DSPIC

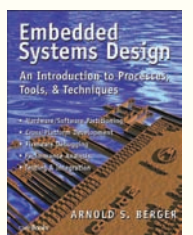
Rpt. 2010

661 pp

978-93-80501-82-6

BSPELS

*Rs. 695.00



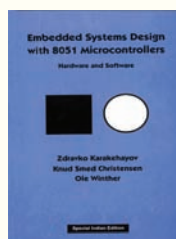
Embedded Systems Design: An Introduction to Processes, Tools, and Techniques

Arnold S. Berger, Berger

Contents: 1. The Embedded Design Life Cycle 2. The Selection Process 3. The Partitioning Decision 4. The Development Environment 5. Special Software Techniques 6. A Basic Toolset 7. BDM, JTAG, and Nexus 8. The ICE - An Integrated Solution 9. Testing 10. The Future

Rpt. 2010
BSPELS

237 pp

978-93-80501-74-1
*Rs. 595.00

Embedded Systems Design with 8051 Microcontrollers Hardware and Software

Zdravko Karakehayov

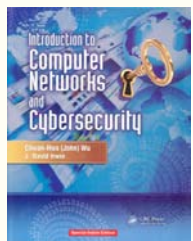
Contents: 1. Basic Concepts 2. The 8051 Microcontroller 3. The 8051 Assembly Language Programming 4. Digital Interfacing 5. Analog Interfacing 6. Interfacing Personal Computers 7. The 8051C5 Microcontroller 8. Serial Interfaces for Distributed Embedded Systems 9. High Level Languages for Microcontrollers 10. Embedded Systems Design 11. Design Examples

Rpt. 2010 417 pp

978-0-8247-7696-1 BSPT&F

*Rs. 795.00

NETWORK SECURITY



Introduction to Computer Networks and Cybersecurity

Chwan-Hwa (John) Wu; J. David Irwin

Contents: An Introduction to Information Networks **SECTION 1 — APPLICATIONS** • The Application Layer • DNS and Active Directory • XML-Based Web Services • Socket Programming • Peer-to-Peer (P2P) Networks and Applications **SECTION 2 — LINK AND PHYSICAL LAYERS** • The Data Link Layer and Physical Layer • The Ethernet and Switches • Virtual LAN, Class of Service, and Multilayer Networks • Wireless and Mobile Networks **SECTION 3 — NETWORK LAYER** • The Network Layer • IPv6 • Routing and Interior Gateways • Border Gateway Routing **SECTION 4 — TRANSPORT LAYER** • The Transport Layer • Packet Loss Recovery • TCP Congestion Control **SECTION 5 — CYBER SECURITY** • Cyber Security Overview • Firewalls • Intrusion Detection/Prevention System • Hash and Authentication • Symmetric Key Ciphers and Wireless LAN Security • Public Key Cryptography, Infrastructure and Certificates **SECTION 6 — EMERGING TECHNOLOGIES**

Rpt. 2013

9781466572133

1336 pp

BSPT&F

Rs. 895.00

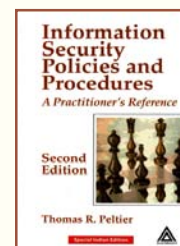


NETWORK SECURITY

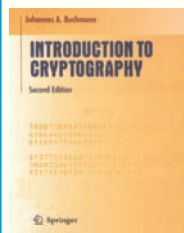
**Information Security Policies and Procedures:
A Practitioner's Reference, 2nd Ed.**

Thomas R. Peltier

Contents: 1. Introduction 2. Why Manage this Process as a Project? 3. Planning and Preparation 4. Developing Policies 5. Asset Classification Policy 6. Developing Standards 7. Developing Procedures 8. Creating a Table of Contents 9. Understanding How to Sell Policies, Standards, and Procedures 10. Introduction to Information Security 11. Fundamentals of Information Security 12. Employee Responsibilities 13. Information Classification 14. Information Handling 15. Tools of Information Security 16. Information Processing 17. Information Security Program Administration 18. Baseline Organization Information Security Program



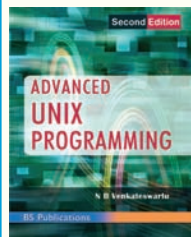
Rpt. 2011	357 pp	978-0-84931-958-7	BSPT&F	HB	*Rs. 895.00
------------------	---------------	--------------------------	-------------------	-----------	--------------------

**Introduction to Cryptography, 2nd Ed.**

Johannes Buchmann

Rpt. 2009	335 pp	978-81-8128-232-3	BSPSPR	PB	*Rs. 450.00
------------------	---------------	--------------------------	---------------	-----------	--------------------

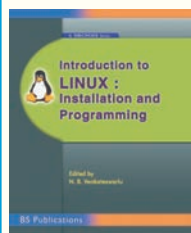
OPERATING SYSTEM — UNIX / LINUX

**Advanced UNIX Programming, Second Revised Edition**

N. B. Venkateswarlu

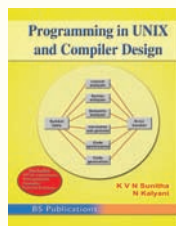
Contents: 1. Introduction to Unix system 2. Vi Editor 3. Redirection Operators 4. Filters 5. Pipes 6. Awk Command 7. Backup Commands 8. Internet Related Commands 9. Shell Programming 10. Unix System Calls 11. Unix File System Calls API 12. Unix System Calls API for Directory Operations 13. Standard Library Functions 14. Process 15. Process Timers 16. Signals 17. Unix Memory Management 18. File Locking 19. Pipes 20. Message Queues 21. Shared Memory 22. Semaphores 23. Memory Mapped Files 24. Network Programming: A Brief Introduction

2010	471 pp	978-81-7800-242-2	BSPBSP	*Rs. 375.00
-------------	---------------	--------------------------	---------------	--------------------

**Introduction to Linux :
Installation and Programming**

N. B. Venkateswarlu

2009	588 pp	978-81-7800-113-5
BSPBSP		*Rs. 425.00

**Programming in UNIX and
Compiler Design**

K. V. N. Sunitha and N. Kalyani

2008	221 pp	978-81-7800-164-7
BSPBSP		Rs. 125.00

**UNIX/Linux FAQ with Tips
to Face Interviews**

N. B. Venkateswarlu

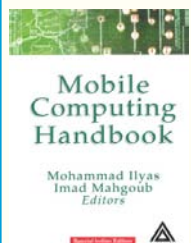
2007	227 pp	978-81-7800-128-4
BSPBSP		Rs. 225.00

**Linux Programming Tools
Unveiled**

N. B. Venkateswarlu

2006	565 pp	978-81-7800-133-3
BSPBSP		Rs. 300.00

MOBILE COMMUNICATIONS

**Mobile Computing Handbook**

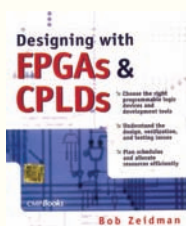
Mohammad Ilyas and Imad Mahgoub

Contents: Section 1: Introduction and Applications of Mobile Computing, Section 2: Location Management, Section 3: Location-Based Services, Section 4: Caching Strategies, Section 5: Mobile and Ad Hoc Wireless Networks I, Section 6: Mobile and Ad Hoc Wireless Networks II, Section 7: Power Management, Section 8: Performance And Modeling, Section 9: Security And Privacy Aspects

Rpt. 2014	9780849319716	1032 pp	BSPT&F	HB	Rs. 5000.00
------------------	----------------------	----------------	-------------------	-----------	--------------------



FPGA

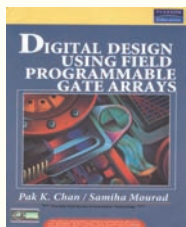


Designing with FPGAs & CPLDs

Bob Zeidman

Contents: 1. Prehistory: Programmable Logic to ASICs 2. Complex Programmable Logic Devices (CPLDs) 3. Field Programmable Gate Arrays (FPGAs) 4. Universal Design Methodology for Programmable Devices 5. Design Techniques, Rules, and Guidelines 6. Verification 7. Electronic Design Automation Tools 8. Today and the Future

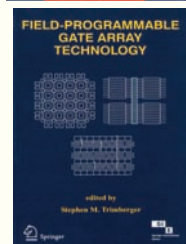
Rpt. 2011 220 pp 978-93-80501-90-1 BSPCMP *Rs. 625.00



Digital Design using Field Programmable Gate Arrays

Chan and Mourad

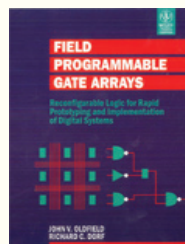
Rpt. 2009 233 pp 978-81-317-2440-8 BSPPEA *Rs. 395.00



Field-Programmable Gate Array Technology

Stephen M. Trimberger

Rpt. 2007 258 pp 978-81-8128-603-1 BSPSPR *Rs. 850.00

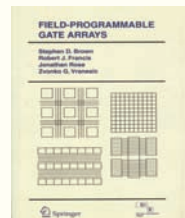


Field-Programmable Gate Arrays:

Reconfigurable Logic for Rapid Prototyping and Implementation of Digital Systems

Oldfield

Rpt. 2008 327 pp 978-81-265-1661-2 BSPJ/W *Rs. 825.00

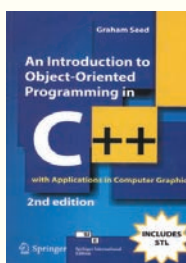


Field-Programmable Gate Arrays

Brown, S.D., Francis, R.J., Rose, J., Vranesic, Z.G

Rpt. 2007 206 pp 978-81-8128-689-5 BSPSPR *Rs. 650.00

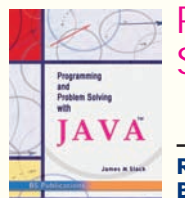
OOPS, C++ AND JAVA



An Introduction to Object-Oriented Programming in C++, with Applications in Computer Graphics, 2nd Ed.

Graham Seed

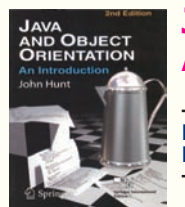
Rpt. 2008 972 pp 978-81-8489-015-0 BSPSPR *Rs. 675.00



Programming and Problem Solving with JAVA™

James M. Slack

Rpt. 2008 1137 pp 978-81-7800-174-6 BSPBSP Rs. 595.00

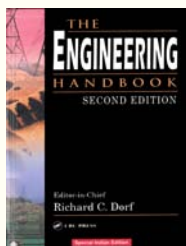


Java and Object Orientation: An Introduction, 2nd Ed.

John Hunt

Rpt. 2008 484 pp 978-81-8489-016-7 BSPSPR *Rs. 650.00

GENERAL



The Engineering Handbook, 2nd Ed.

Richard C. Dorf

Contents: 1. Statics 2. Mechanics of Materials, 3. Dynamics and Vibration, 4. Kinematics and Mechanisms, 5. Structures, 6. Fluid Mechanics, 7. Thermodynamics and Heat Transfer, 8. Separation Processes, 9. Fuels and Energy Conversion, 10. Kinetics and Reaction Engineering, 11. Geotechnical, 12. Transportation, 13. Coastal and Ocean Engineering, 14. Environmental Systems and Management, 15. Water Resources Engineering, 16. Linear Systems and Models, 17. Circuits, 18. Electronics, 19. Digital Systems, 20. Communications and Signal Processing, 21. Computers, 22. Measurement and Instrumentation, 23. Surveying, 24. Control Systems, 25. Manufacturing, 26. Aeronautical and Aerospace, 27. Safety, 28. Engineering Economics and Management, 29. Materials Engineering, 30. Mathematics

Rpt. 2014 3080 pp 9780849315862 HB BSPCRC Rs. 6000.00

CRC Handbook of Engineering Tables

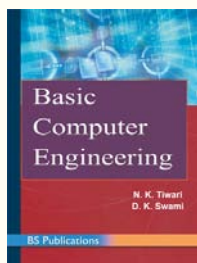
Richard C. Dorf

Contents: 1. Electrical and Computer Engineering, 2. Civil and Environmental Engineering, 3. Chemical Engineering, Chemistry, and Materials Science, 4. Mechanical Engineering, 5. General Engineering and Mathematics

Rpt. 2013 656 pp 9780849315879 HB BSPCRC Rs. 3000.00



COMPUTER BASICS

**Basic Computer Engineering**

N. K. Tiwari and D. K. Swami

NEW

Contents: 1. An Introduction to Computers, 2. History of Computer, 3. Classification of Computers, 4. The System Concept, 5. Fundamentals of Operating System, 6. Microsoft Office, 7. Programming Concepts, 8. Programming Languages, 9. Program Design, 10. Fundamentals of Programming in C++, 11. Object Oriented Programming in C++, 12. Data Structures, 13. Computer Networks, 14. Computer Security, 15. Data Base Management System, 16. Cloud Computing

2014

978-81-7800-322-1

381 pp

BSPBSP

Rs. 295.00

**Basic Computer Engineering**

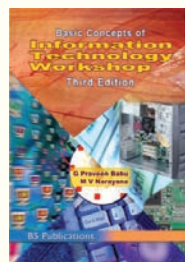
Prashant Lakkadwala

Contents : 1. Basic Concepts of Computer with Classification and Application 2. Fundamental of Operating System and Programming Generation and Approach 3. Basics of C++ and Object Oriented Approach 4. Introduction to Database Management System 5. Concepts of Networking with Internet and Network Security, E-Commerce

2011 277 pp

978-93-81075-11-1 BSPBSP

Rs.175.00

**Basic Concepts of Information Technology Workshop, 3rd Ed.**

G. Praveen Babu and M.V. Narayana

Contents: 1 Fundamentals of Computer 2 Assembling & Disassembling 3 Installation of Windows XP and Vista 4 Linux Installation and Basic Commands 5 Hardware Troubleshooting 6 Software Troubleshooting 7 A Basic guide to Internet 8 Surf the Internet 9 Search Engines 10 Antivirus Software 11 Word Orientation 12 Creating Project 13 Creating a Newsletter 14 Microsoft Office Excel 15 Microsoft Office Excel 16 LaTeX and MS/equivalent (FOSS) tool PowerPoint 17 Microsoft PowerPoint

2010 266 pp

978-81-7800-223-1 BSPBSP

Rs. 150.00

SOFTWARE ARCHITECTURE / QUALITY

**Software Architecture: Organizational Principles and Patterns**

David M. Dikel, David Kane and James R. Wilson

Contents: 1. What you can't see could help you 2. The VRAPS Referene Model: How the pieces fit together 3. Projecting and Unifying Vision 4. Rhythm: Assuring Beat, Process, and Movement 5. Anticipation: Predicting, Validating, and Adapting 6. Partnering: Building Cooperative Organizations 7. Simiplification: Clarifying and minimizing 8. Principles at Work: The Allaire Case Study 9. Case Study: Building and Implementing a Benchmark using VRAPS

Rpt. 2011
BSPPEA

281 pp

978-81-317-5623-2
*Rs. 695.00**Essential Software Architecture**

Gorton, Ian

Contents: 1. Understanding Software Architecture 2. Introducing the Case Study 3. Software Quality Attributes 4. A Guide to Middleware Architectures and Technologies 5. A Software Architecture Process 6. Documenting a Software Architecture 7. Case Study Design 8. Looking Forward 9. Software Product Lines 10. Aspect Oriented Architectures 11. Model-Driven Architecture 12. Service-Oriented Architectures and Technologies 13. The Semantic Web 14. Software Agents: An Architectural 15. Concluding Thoughts

Rpt. 2011
BSPSPR

286 pp

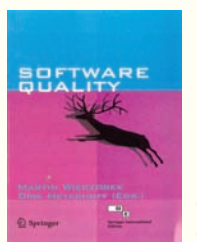
978-81-32202-28-8
*Rs. 650.00**Introduction to Software Engineering**

Ronald J. Leach

Contents: 1. Introduction, 2. Project Management, 3. Requirements, 4. Software Design, 5. Coding, 6. Testing and Integration 7. Delivery, Installation, and Documentation, 8. Maintenance, 9. Research Issues in Software Engineering

Rpt. 2012428 pp

978-0-84931-445-2 BSPT&F Rs. 495.00

**Software Quality**

Martin Wieczorek and Dirk Meyerhoff

Contents: Part I - Software Quality Managemet 1. Paradigms of Software Quality Management and Software Development 2. Process Oriented Software Quality Management 3. Knowledge and Quality Management 4. Cost Benefit Models for Quality Assurance Part II - Certification and Testing 1. Testing Functional and Non-Functional Requirements 2. Testing Web and E-Business Applications 3. Certification and Testing of Embedded and Safety-Critical Systems

Rpt.2010 288 pp

978-81-8489-635-0 BSPSPR *Rs. 595.00

Beyond Software Architecture: Creating and Sustaining Winning Solutions

Luke Hohmann

Contents: 1. Software Architecture 2. Product Development Primer 3. The Difference between Marketecture and Tarchitecture 4. Business and Licence Model Symbiosis 5. Technology In-Licensing 6. Potability 7. Deployment Architecture 8. Integration and Extension 9. Brand and Brand Elements 10. Usability 11. Installation 12. Upgrade 13. Configuration 14. Logs 15. Release Management 16. Security

Rpt. 2010 352 pp

978-81-31756-22-5 BSPPEA *Rs. 750.00

**Hardware/Software Co-Design: Principles and Practice**

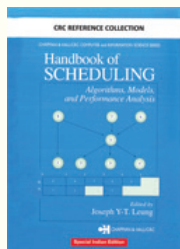
Jørgen Staunstrup and Wayne Wolf

Rpt. 2009
684-0 BSPSPR

395 pp

978-81-8128-
*Rs. 895.00

WEB - APPLICATIONS



Handbook of Scheduling: Algorithms, Models, and Performance Analysis

NEW

Joseph Y-T. Leung

Contents: 1. Introduction 2. Classical Scheduling Problems 3. Other Scheduling Models 4. Real-Time Scheduling 5. Stochastic Scheduling and Queuing Networks 6. Applications

Rpt. 2013 1224 pp 9781584883975 BSPCRC HB Rs. 4200.00

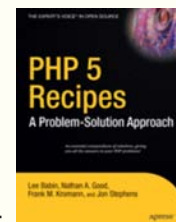
PHP 5 Recipes: A Problem -Solution Approach

Lee Babin and Nathan A. Good

NEW

Contents: 1. Overview of PHP Data Types and Concepts, 2. Overview of Classes, Objects, and Interfaces, 3. Performing Math Operations, 4. Working with Arrays, 5. Working with Dates and Times, 6. Working with Strings, 7. Working with Files and Directories, 8. Working with Dynamic Imaging, 9. Using Regular Expressions, 10. Working with Variables, 11. Using Functions, 12. Understanding Web Basics, 13. Creating and Using Forms, 14. Working with Markup, 15. Using MySQL Databases in PHP 5, 16. Communicating with Internet Services

Rpt. 2013 646 pp 9788132213239 BSPSPR PB Rs. 699.00



Web Data Mining: Exploring Hyperlinks, Contents and Usage Data

Bing Liu

Contents: 1. Introduction **Part I: Data Mining Foundations** 2. Association Rules and Sequential Patterns 3. Supervised Learning 4. Unsupervised Learning 5. Partially Supervised Learning **Part II: Web Mining** 6. Information Retrieval and Web Search 7. Link Analysis 8. Web Crawling 9. Structured Data Extraction: Wrapper Generation 10. Information Integration 11. Opinion Mining 12. Web Usage Mining

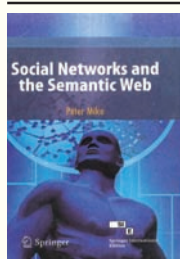
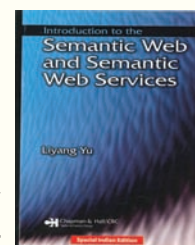
Rpt. 2013 532 pp 9788184896176 BSPSPR PB *Rs. 950.00

Introduction to the Semantic Web and Semantic Web Services

Liyang Yu

Contents: 1. From Traditional Web to Semantic Web 2. Search Engines in Both Traditional and Semantic Web Environments 3. The Building Block of the Semantic Web: RDF 4. RDPF, Taxonomy, and Ontology 5. Web Ontology Language: OWL 6. Validating your OWL Ontology 7. Swoogle: A Search Engine for Semantic Web Documents 8. FOAF: Friend of a Friend 9. Mark up your Web Document, Please! 10. Semantic Web Search Engine Revisited: A Prototype System 11. From Web Services to Semantic Web Services 12. OWL-S: An Upper Ontology to Describe Web Services 13. Adding Semantics to Web Service Descriptions 14. A Search Engine for Semantic Web Services 15. Summary and Further Exploration

Rpt. 2010 341 pp 978-15-84889-33-5 BSPT&F *Rs. 850.00



Social Networks & the Semantic Web

Peter Mika

Contents: 1. The Semantic Web 2. Social Network Analysis 3. Electronic sources for network analysis 4. Knowledge Representation on the Semantic Web 5. Modelling and aggregating social network data 6. Developing social-semantic applications 7. Evaluation of web-based social network extraction 8. Semantic-based Social Network Analysis in the sciences 9. Ontologies are us: emergent semantics in folksonomy systems 10. The Perfect Storm

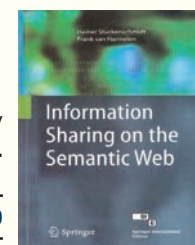
Rpt. 2010 234 pp 978-81-8489-643-5 BSPSPR *Rs. 675.00

Information Sharing on the Semantic Web

Heiner Stuckenschmidt & Frank van Harmelen

Contents: 1. Semantic Integration 2. Ontology-based Information Sharing 3. Ontology Language for the Semantic Web 4. Ontology Creation 5. Metadata Generation 6. Retrieval and Integration 7. Sharing Statistical Information 8. Spatially-related Information 9. Integration and Retrieval Systems 10. Modularization 11. Evolution Management 12. Conclusion

Rpt. 2010 276 pp 978-81-8489-624-4 BSPSPR *Rs. 750.00



COMING SOON

Formal Languages And Automata Theory

Srinivas

Contents: 1. Basic Mathematical Techniques 2. Formal Languages 3. Finite Automata 4. Regular Languages and Finite Automata 5. Context Free Grammars 6: Push Down Automata 7: Turing Machines 8: Computability Theory

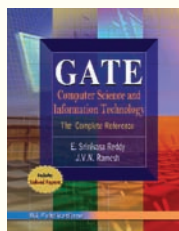
Compilers

Shivaram Prasad

Cloud Computing

Rajeshwara Rao

COMPETITIVE EXAMS

**GATE: Computer Science and Information Technology (The Complete Reference)****E. Srinivasa Reddy and J.V.N. Ramesh**

Contents: **UNIT - I ENGINEERING MATHEMATICS** 1. Permutations and Combinations 2. Elements of Probability 3. Statistics 4. Theoretical Distributions 5. Matrix Algebra 6. Numerical Methods 7. Calculus 8. Practice Questions 9. Test Your self – I 10. Test Your self – II **UNIT - II DISCRETE MATHEMATICS** 1. Sets, Relations and Functions 2. Recurrence Relations 3. Mathematical Logic 4. Mathematical Induction 5. Lattices and Boolean Algebra 6. Group Theory 7. Graph Theory 8. Practice Questions 9. Test Your self – I 10. Test Your self – II **UNIT - III THEORY OF COMPUTATION** 1. Finite Automata and Regular Languages 2. Context Free Grammars and Push Down Automata 3. Turing Machines and Undecidability 5. Practice Questions 6. Test Your self – I 7. Test Your self – II **UNIT - IV DIGITAL LOGIC CIRCUITS** 1. Logic Functions and Minimisation Techniques 2. Combinational Circuit Design 3. Sequential Circuit Design 5. Test Your self – I 6. Test Your self – II **UNIT - V COMPUTER ORGANISATION** 1. Number Representation and Arithmetic 2. CPU Organisation . Memory Organisation 4. I/O Organisation 5. Test Your self – I 6. Test Your self – II **UNIT - VI PROGRAMMING METHODOLOGY** 1. Fundamentals of C 2. Program Control 3. Advanced Programming In C 4. Low - Level Programming In C 5. Test Your self – I 6. Test Your self – II **UNIT - VII DATA STRUCTURES** 1. Arrays, Stacks, Queues and Linked Lists 2. Trees 3. Graph Theory 4. Sorting, Searching and Hashing 5. Algorithm Analysis and Designing 6. NP-Hard and NP-Complete Problems 7. Test Your self – I 8. Test Your self – II **UNIT - VIII OPERATING SYSTEMS** 1. Introduction to Operating Systems 2. Process Management 3. Memory Management 4. File Management 5. Protection and Security 6. Test Your self – I 7. Test Your self – II **UNIT - IX DATA BASE MANAGEMENT SYSTEMS** 1. Relational Model 2. Structured Query Language 3. Normalisation 4. File Organisation and Indexing Techniques 5. Transactions and Concurrency Control Techniques 6. Test Your self – I 7. Test Your self – II **UNIT - X COMPUTER NETWORKS** 1. ISO/OSI Stack Sliding Windows Protocol TCP/UDP IP 2. LAN Technologies 3. Switches 4. Gateways and Routers 5. Test Your self – I 6. Test Your self – II **UNIT - XI COMPILER DESIGN** 1. Introduction to Compilers 2. Finite Automata and Lexical Analysis 3. Context Free Grammars and Basic Parsing Techniques 4. Syntax Directed Translation 5. Runtime Environments 6. Code Generation 7. Practice Questions 8. Test Your self – I 9. Test Your self – II **UNIT - XII SOFTWARE ENGINEERING** 1. Software Engineering 2. Practice Questions 3. Test Yourself **UNIT - XIII WEB TECHNOLOGIES** 1. Web Technologies 2. Test Yourself **UNIT - XIV VERBAL ABILITY** 1. Spotting Errors 2. Fill in the blanks 3. Synonyms 4. Antonyms 5. Sentence Parts Reshuffling 6. Sentence Reshuffling 7. Comprehension **UNIT - XV NUMERICAL COMPUTATION** 1. Average 2. Percentage 3. Ratio & Proportion 4. Partnership 5. Chain Rule 6. Time & Work 7. Time and Distance 8. Simple Interest 9. Compound Interest 10. Ages 11. Number System **UNIT - XVI NUMERICAL REASONING** 1. Analogies 2. Classification 3. Series 4. Distance and Direction 5. Time Sequence 6. Seating Arrangements 7. Situation Analysis **UNIT - XVII GATE PAPERS** 1. 2010 Gate CSE & IT 2. 2009 Gate CSE & IT 3. 2008 Gate CSE 4. 2008 Gate IT 5. 2007 Gate CSE 6. 2007 Gate IT 7. 2006 Gate CSE 8. 2006 Gate IT 9. 2005 Gate CSE 10. 2004 Gate CSE 11. 2003 Gate CSE 12. 2002 Gate CSE 13. 2001 Gate CSE 14. 2000 Gate CSE 15. 1999 Gate CSE 16. 1998 Gate CSE 17. 1997 Gate CSE 18. 1996 Gate CSE 19. 1995 Gate CSE 20. 2011 Gate CSE

2012	1454 pp	978-93-81075-61-6	BSPBSP	Rs. 895.00
------	---------	-------------------	--------	------------

CONTACT OUR NEAREST REPRESENTATIVE FOR ASSISTANCE**NORTH ZONE****AVADESH KUMAR TIWARI**

Territory Sales Manager

09415810938

up@bspbooks.net/
uttarakhand@bspbooks.net

delhi@bspbooks.net / punjab@bspbooks.net

WEST ZONE

maharashtra@bspbooks.net/gujarat@bspbooks.net

CENTRAL ZONE**TEERATH PATEL**

Territory Sales Manager

09893719561; mp@bspbooks.net

EAST ZONE**KRISHNA PATRO**

Sales Executive

09861760260; orissa@bspbooks.net

SOUTH ZONE**V. SRINIVASA RAO**

Territory Sales Manager

09849650232; srinivas.v@bspbooks.net

M. HARIPRASAD

Sales Executive

09849539048; aprep@bspbooks.net

S. SUKUMAR

Sales Executive

09976513469; tamilnadu@bspbooks.net

karnataka@bspbooks.net;

Head Office**VASUDEV RAO**

Marketing Manager

09701334178; vasudev.rao@bspbooks.net

MADHURESH N. SHAH

Channel Manager-Retail and E-commerce

09885688852; madhuresh.shah@bspbooks.net

NIKUNJESH A. SHAH

Channel Manager-Marketing and Sales

08374105220; nikunjesh.shah@bspbooks.net

Please send your orders / enquiries**Imprints: BSP BS Publications****PharmaMed Press**

(An imprint of Pharma Book Syndicate)

**BSP Books Pvt. Ltd.**4-4-309 / 316, Giriraj Lane, Sultan Bazar,
Koti, Hyderabad - 500 095.

Ph: 040-23445688, 23445605, Fax : 91+40-23445611

e-mail: info@bspbooks.net; info@pharmamedpress.com

*Visit our Website***www.bspbooks.net /
www.bspublications.net**