BSP BOOKS

BSP Books Pvt. Ltd.

Computer Science & Engineering / Information Technology

JANUARY 2016

▶ Algorithms and Data Structures
▶ Compilers
▶ Cloud Computing / Computing
▶ Computer Graphics and Image Processing
▶ Data Communication / Networks / Wireless
▶ Database / Data Mining / Data Warehouse
▶ Embedded Systems
▶ Network Security

▶ Operating System – UNIX/LINUX
▶ Mobile Communications
▶ FPGA
▶ Oops, C++ and Java
▶ Computer Basics
▶ Software Architecture / Quality
▶ Web - Applications
▶ Competitive Exams

ALGORITHMS AND DATA STRUCTURES
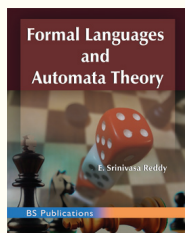
Formal Languages and Automata Theory

NEW

E. Srinivas Reddy

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

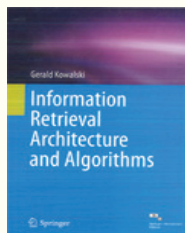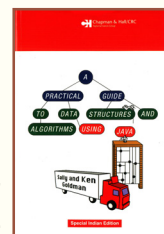|					
2016	9789383635788	468 pp	BSPBSP	PB	Rs. 450.00

A Practical Guide to Data Structures and Algorithms using JAVA with CD

NEW

Sally Goldman and Kenneth Goldman

Contents: **I.**Introduction, **II.** Collection Data Structures & Algorithms, **III.** Graph Data Structures & Algorithms

Rpt. 2015	9781584884552	1026 pp	BSPCRC	PB	Rs. 1995.00

Information Retrieval Architecture and Algorithms

Gerald Kowalski

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

Introduction to Genetic Algorithms

S.N. Sivanandam and S.N. Deepa

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
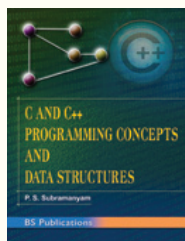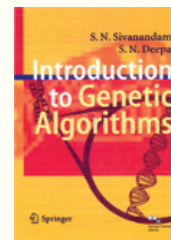
C and C++ Programming Concepts and Data Structures

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.** A rrays **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	9788178002842	BSPBSP	PB	Rs. 595.00

Visit: www.bspbooks.net / www.bspublications.net for latest updates

ALGORITHMS AND DATA STRUCTURES
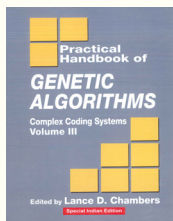
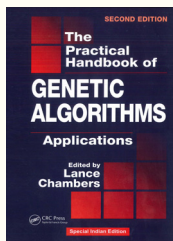### Practical Handbook of Genetic Algorithms: Complex Coding Systems, Vol. III

REFERENCE

Lance D. Chambers

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	BSPCRC	HB	Rs. 5000.00

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

REFERENCE

Lance D. Chambers

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	BSPCRC	HB	Rs. 6000.00

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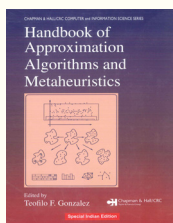
REFERENCE

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 Approximation Algorithms and Metaheuristics

REFERENCE

Teofilo F. Gonzalez

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
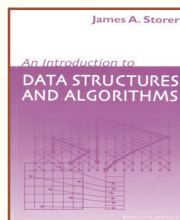
Rpt.2014	9781584885504	1432 pp	BSPCRC	HB	Rs. 5000.00
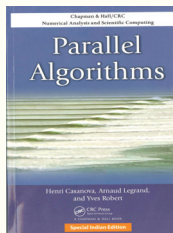
Parallel Algorithms

Henri Casanova, Arnaud Legrand and Yves Robert

Rpt. 2010	337 pp	9781584889458
BSPT&F	PB	Rs. 795.00

An Introduction to Data Structures and Algorithms

J.A. Storer

| Rpt. 2011	599 pp	9788184890815
BSPSPR	PB	Rs. 595.00

ALGORITHMS AND DATA STRUCTURES

Handbook of
Bioinspired Algorithms and Applications

REFERENCE

Stephan Olariu and Albert Y. Zomaya

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 Evolutive 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
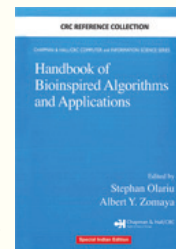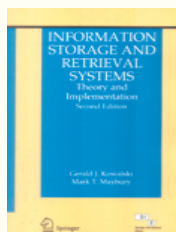
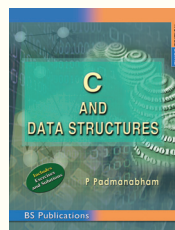| Rpt.2013	9781584884750	704 pp	BSPCRC	HB	Rs. 4200.00

Information Storage and Retrieval Systems

Theory and Implementation, 2nd Ed.

Gerald J. Kowalski, Mark. T. Maybury

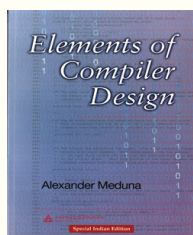| BSPSPR	Rpt. 2009	318 pp	9788181284976
	PB		* Rs. 950.00

C & Data Structures, 3rd Ed.

P. Padmanabham

2008	520 pp	9788178001519
BSPBSP	PB	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
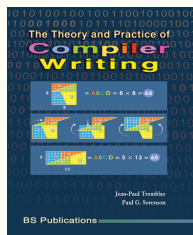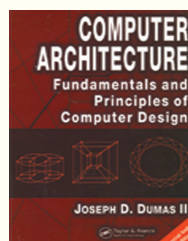
Rpt.2011	286 pp	9781420063233	BSPT&F	PB	Rs. 595.00

The Theory and Practice of Compiler Writing

Jean-Paul Tremblay & Paul G. Sorenson

2008	796 pp	9788178001837
BSPBSP	HB	Rs. 1695.00

COMPUTER ARCHITECTURE

Computer Architecture:
Fundamentals and Principles of Computer Design

Dumas

| 2008	372 pp	9780849327490
BSPT&F	PB	Rs. 650.00

CLOUD COMPUTING
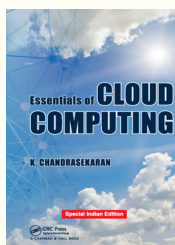
Essentials of Cloud Computing

NEW

K. Chandrasekaran

Contents: 1. Computing Paradigms 2. Cloud Computing Fundamentals 3. Cloud Computing Architecture and Management 4. Cloud Deployment Models 5. Cloud Service Models 6. Technological Drivers for Cloud Computing 7. Virtualization 8. Programming Models for Cloud Computing 9. Software Development in Cloud 10. Networking for Cloud Computing 11. Cloud Service Providers 12. Open Source Support for Cloud 13. Security in Cloud Computing 14. Advanced Concepts in Cloud Computing

Rpt. 2015 BSPT&F	PB	407 pp	9781498770378 Rs. 695.00
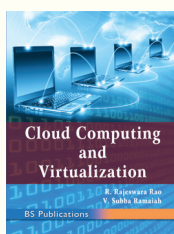
Cloud Computing & Virtualization

R. Rajeswara Rao and V. Subba Ramaiah

Contents: 1. Evolution of Cloud Computing, 2. Introduction to Cloud Computing, 3. Services Delivered from the Cloud, 4. Building Cloud Networks, 5. Virtualization in Cloud, 6. Security in Cloud, 7. Common Standards in Cloud Computing, 8. End User Access to Cloud Computing, 9. Cloud Architecture Defining the Clouds for the Enterprise, 10. Disaster Recovery and Security

2014 BSPBSP	PB	257 pp	9789383635047 Rs. 250.00

COMPUTING
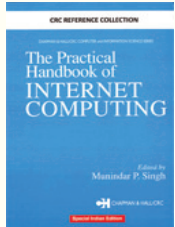
The Practical Handbook of Internet Computing

REFERENCE

Singh

Contents: 1. Applications, 2. Enabling Technologies, 3. Information Management, 4. Systems And Utilities, 5. Engineering And Management, 6. Systemic Matters
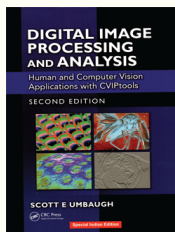
Rpt.2013 BSPCRC	1144pp HB	9781584883814 Rs. 4200.00

International Conference on Advanced Computing Technologies

Chief Editor: Prof. P.S. Raju
Editor: Dr. S. Viswanadha Raju

2009 HB	950 pp	9788178001883	BSPBSP Rs. 2495.00

## COMPUTER GRAPHICS AND IMAGE PROCESSING

Digital Image Processing and Analysis:

#### Human and Computer Vision Applications with CVIP tools, 2nd Ed.

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 Section V Appendices

Rpt.2014 BSPCRC	955 pp PB	9781439802052 Rs. 1495.000
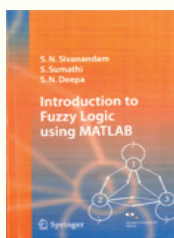
Introduction to Fuzzy Logic using MATLAB

S.N Sivanandam et al.

Rpt. 2013 BSPSPR	9788132211075 PB	430 pp Rs. 995.00
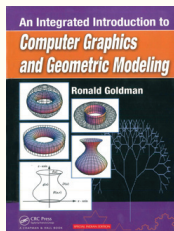
An Integrated Introduction to Computer Graphics and Geometric Modeling

Ronald Goldman

Rpt. 2012 BSPT&F	PB	9781439803349	543 pp Rs. 850.00

Digital Color Imaging Handbook

REFERENCE

Gaurav Sharma

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, Ján 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
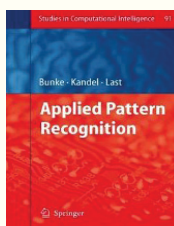
Applied Pattern Recognition

Bunke et al.

Rpt. 2011 BSPSPR	246 pp PB	9788184898729 Rs. 875.00

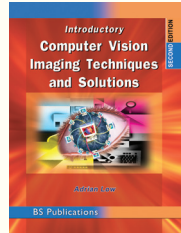## COMPUTER GRAPHICS AND IMAGE PROCESSING

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

REFERENCE

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

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

Adrian Low

2008	299 pp	9788178001977
BSPBSP	PB	Rs. 250.00
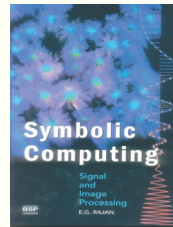
Symbolic Computing
Signal and Image Processing
(Includes LIPS Demo CD-ROM)

E. G. Rajan

2003	393 pp	8178000474
BSPBSP	HB	Rs. 1495.00

## DATA COMMUNICATION / NETWORKS / WIRELESS

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** 27. Network and Information Infrastructure Virtualization, 28. Unified Communications and Multimedia Protocols
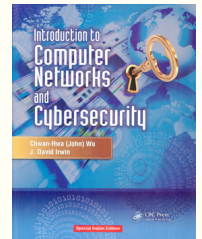
Rpt. 2013	9781466572133	1336 pp	BSPCRC	PB	*Rs. 1295.00
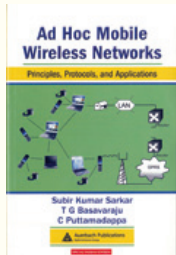
Ad Hoc Mobile Wireless Networks: Principles, Protocols and Applications

**Subir Kumar Sarkar et al.**

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
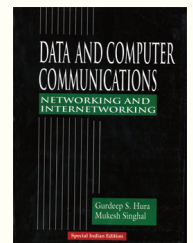
Rpt. 2011	1140 pp	9780849309281	BSPCRC	PB	Rs. 995.00

## DATA COMMUNICATION / NETWORKS / WIRELESS
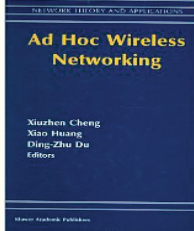
Ad Hoc Wireless Networking

Cheng et al.

Contents: 1. A Lifetime-Optimizing Approach to Routing Messages in Ad-hoc Networks, **2.** Improving TCP Performance in Mobile Ad hoc Networks, **3.** Energy Efficient Approaches in Wireless Networking, **4.** Position Based Routing Algorithms For Ad hoc Networks: A Taxonomy, **5.** Location Discovery in Ad-hoc Wireless Sensor Networks, **6.** Ad Hoc Wireless Networks: From Theory to Protocols, **7.** Applications of Computational Geometry in Wireless Networks, **8.** Channel-Adaptive Ad Hoc Routing, **9.** A Survey of Wireless Security in Mobile Ad Hoc Networks: Challenges and Available Solutions, **10.** Location Related Issues in Mobile Network Systems, **11.** Power-Conserving Algorithms and Protocols in Ad Hoc Networks, **12.** Secure Communication in Adverse Mobile Ad Hoc Networks, **13.** The Role of Proactivity in Wireless and Ad Hoc Networks, **14.** Hybrid Routing: The Pursuit of an Adaptable and Scalable Routing Framework for Ad Hoc Networks, **15.** Scalability of Routing in Ad Hoc Networks: Principles and Practice

Rpt. 2011	630 pp	9788184898484	BSPSPR	PB	Rs. 775.00
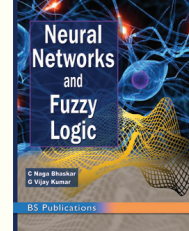
Neural Networks and Fuzzy Logic

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 BSPBSP	284 pp	9789381075401 PB	Rs. 250.00
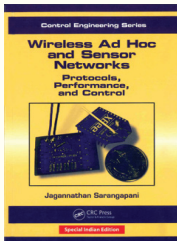
Wireless Ad hoc and Sensor Networks:
Protocols, Performance, and Control

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	9780824726751	BSPT&F	PB	Rs. 895.00

### Handbook of Neural Network Signal Processing

REFERENCE

Hu

Contents: PART I - NEURAL NETWORK FUNDAMENTS 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
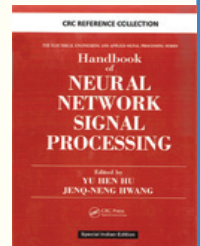
Rpt. 2013	408 pp	9780849323591	BSPCRC	HB	Rs. 2200.00
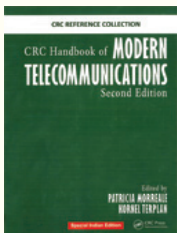
CRC Handbook of Modern Telecommunications, 2nd Ed.

REFERENCE

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.
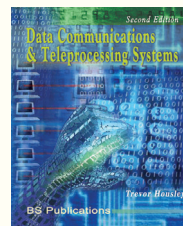
Rpt. 2013	9781420078008	679 pp	BSPCRC	HB	Rs. 3500.00
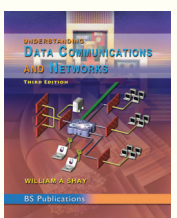
Understanding Data Communications and Networks, 3rd Ed.

William A. Shay

Rpt. 2008 BSPBSP	766 pp PB	9788178001791 *Rs. 695.00

Data Communications & Teleprocessing Systems, 2nd Ed

Trevor Housley

2005 BSPBSP	474 pp PB	9788178000756 Rs. 300.00

DATA COMMUNICATION / NETWORKS / WIRELESS

VoIP HandBook

REFERENCE

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 Traffi c Behavior Profi ling 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
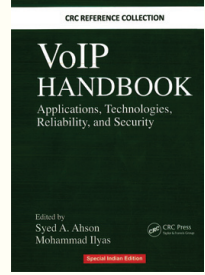
Rpt. 2013	453 pp	9781420070200	BSPCRC	HB	Rs. 2500.00

DATABASE / DATA MINING / DATA WAREHOUSE

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
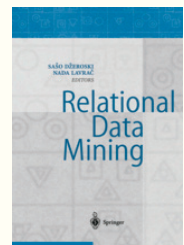
Rpt. 2011	398 pp	9788132202271	BSPSPR	PB	Rs. 650.00

Web Data Mining: Exploring Hyperlinks, Contents, and Usage Data
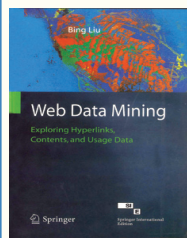
Bing Liu

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.** Strctured Data Extraction: Wrapper Generation **10.** Information Integration **11.** Opinion Mining **12.** Web Usage Mining

Rpt. 2010	532 pp	9788184896176	BSPSPR	PB	*Rs. 1095.00

Introduction to Data Mining and its Applications

S. Sumathi and S.N. Sivanandam

Rpt. 2008	828 pp	9788184890341
BSPSPR	PB	Rs. 675.00

Fundamentals of Relational Database Management Systems

S. Sumathi and S. Esakkirajan

Rpt. 2008	776 pp	9788184890099
BSPSPR	PB	Rs. 650.00

Handbook of Computational Group Theory

REFERENCE

Derek F. Holt, Bettina Eick, Eamonn A. O'Brien
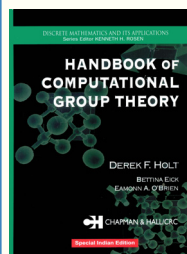
Contents:**1.** History of Computational Group Theory, **2.** Background Materials, **3.** Representing Groups on a Computer, **4.** Computation in Finite Permutation Groups, **5.** Coset Enumeration, **6.** Presentation of Given Groups, **7.** Representations, cohomology, and Characters, **8.** Computation 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

GENERAL

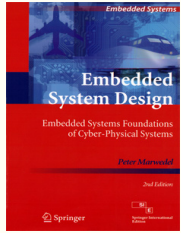# CRC Handbook of Engineering Tables

REFERENCE

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
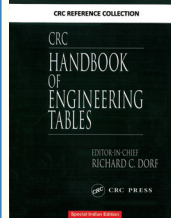
Rpt. 2013	656 pp	9780849315879	HB	BSPCRC	Rs. 3000.00

EMBEDDED SYSTEMS

Embedded System Design:
### Embedded Systems Foundations of Cyber-Physical Systems

NEW

Peter Marwedel

Contents: **1.** Introduction **2.** Specifications and Modeling **3.** Embedded System Hardware **4.** System Software **5.** Evaluation and Validation **6.** Application Mapping **7.** Optimization **8.** Test

Rpt. 2014	9788132214694	389 pp	BSPSPR	PB	Rs. 795.00

Embedded System Design: Modeling Synthesis and Verification

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
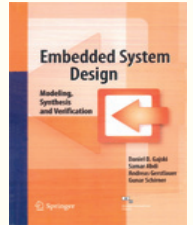
Rpt. 2013	9788132211068	352 pp	BSPSPR	PB	Rs. 895.00

Designing Embedded Processors: A Low Power Perspective

Henkel, Jörg; Parameswaran
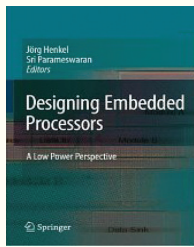
Contents: **1**. Application-Specific Embedded Processors **2.** Low-Power Design with NISC Technology **3.** Synthesis of Instruction Sets for High Performance and Energy Efficient ASIP **4**. A Framework for Extensible Processor Based MPSoC Design **5**. Design and Run Time Code Compression for Embedded 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	9788184898477	BSPSPR	PB	Rs. 750.00

Embedded Systems Building Blocks, 2nd Ed.

Jean J. Labrosse

Contens: **1.** Sample Code **2.** Real-Time Systems Concepts **3.** Keybords **4.** Character LCD Displays **5.** Character LCD Models **6.** Time-of-Day Clock **7.** Timer Manager **8.** Discrete I/Qs **9.** Fixed-Point Math **10.** Analog I/Os **11.** Asynchronous Serial Communications **12.** PC Services
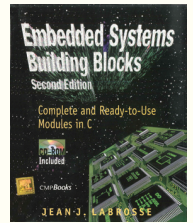
| Rpt. 2010	611 pp	9789380501895	BSPELS	PB	Rs. 1150.00

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

Tim Wilmshurst
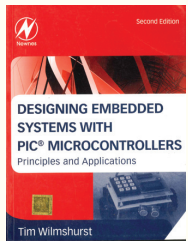
Contents: **1.** Tiny Computers, Hidden Control **2.** Introducing the PIC 16 series, and the 16F84A **3.** Parallel Ports, Power Supply, and the Clock Oscillator **4.** Starting to Program - An Introduction to Assembler **5.** Building Assembler Programs **6.** Working with Time: Interrupts, Counters, 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	9789380501826	BSPELS	PB	Rs. 695.00
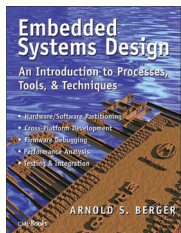
Embedded Systems Design:
An Introduction to Processes, Tools, and Techniques

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	237 pp	9789380501741
BSPELS	PB	Rs. 650.00
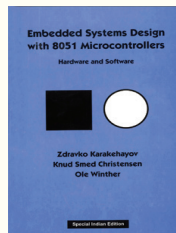
Embedded Systems Design with 8051 Microcontrollers
### Hardware and Software

Zdravko Karakehayov

Contents: **1.** Basic Concepts **2.** The 8051 Microcontroller **3.** The 8051 Assembly Language Programming **4.** Digital Interfacing **5.** Analog Intefacing **6.** Interfacing Personal Compuers **7.** The83C5 Microcontroller **8.** Serial Interfaces for Distributed Embedded Systems **9.** High Level Langauges for Microcontrollers **10.** Embedded Systems Design **11.** Design Examples

Rpt. 2011	417 pp	9780824776961	BSPT&F	PB	Rs. 795.00
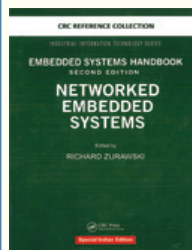
EMBEDDED SYSTEMS

Embedded Systems Handbook,
Networked Embedded Systems, 2nd Ed.

REFERENCE

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.

REFERENCE

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.

| Rpt. 2013 | 9781439807552 | 666 pp | BSPCRC | HB | Rs. 3000.00 |
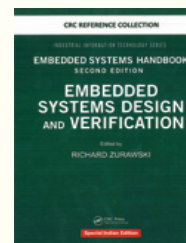
High Performance Embedded Computing Handbook: A Systems Perspective

REFERENCE

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 |

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 SECTION 6 — EMERGING TECHNOLOGIES,** • Network and Information Infrastructure Virtualization, • Unified Communications and Multimedia Protocols

| Rpt. 2013 | 9781466572133 | 1336 pp | BSPCRC | PB | *Rs. 1295.00 |

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
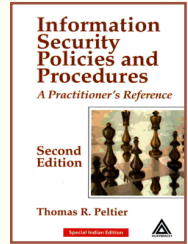
Rpt. 2011	357 pp	9780849319587	BSPT&F	PB	Rs. 895.00

Introduction to Cryptography, 2nd Ed.

Johannes Buchmann

Contents: 1. Integers **2.** Congruences and Residue Class Rings **3.** Encryption **4.** Probability and Perfect Secrecy **5.** DES **6.** AES **7.** Prime Number Generation **8.** Public-Key Encryption **9.** Factoring **10.** Discrete Logarithms **11.** Cryptographic Hash Functions **12.** Digital Signatures **13.** Other Systems **14.** Identification **15.** Secret Sharing **16.** Public-Key Infrastructures
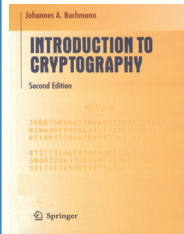
Rpt. 2009	335 pp	9788181282323	BSPSPR	PB	Rs. 450.00

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
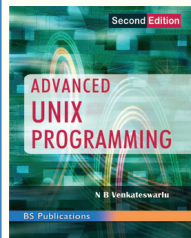
2010	471 pp	9788178002422	BSPBSP	PB	Rs. 375.00

Introduction to Linux :
Installation and Progamming

N. B. Venkateswarlu

2006	588 pp	9788178001135
BSPBSP	PB	* Rs. 495.00
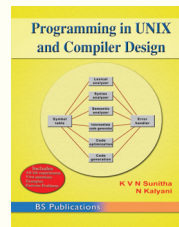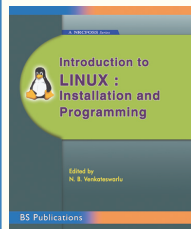
Programming in UNIX and Compiler Design

K. V. N Sunitha and N. Kalyani

2008	221 pp	9788178001647
BSPBSP	PB	Rs. 125.00

UNIX/Linux FAQ with Tips to Face Interviews

N. B. Venkateswarlu

2007	230 pp	9788178001284
BSPBSP	PB	Rs. 225.00
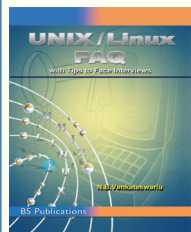
Linux Programming Tools Unveiled

N. B. Venkateswarlu

2006	565 pp	9788178001333
BSPBSP	PB	Rs. 300.00

MOBILE COMMUNICATIONS

Mobile Computing Handbook

Mohammad Ilyas and Imad Mahgoub

REFERENCE

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
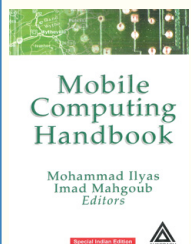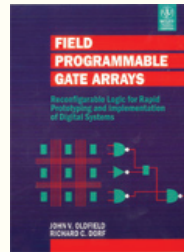
Rpt.2014	9780849319716	1032 pp	BSPCRC	HB	Rs. 5000.00

FPGA
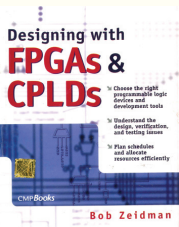
Designing with FPGAs & CPLDs

Bob Zeidman

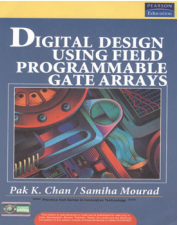|		
Rpt. 2010	220 pp	9789380501901
BSPELS	PB	Rs. 625.00

Field Programmable Gate Arrays:
### Reconfigurable Logic for Rapid Prototyping and Implementation of Digital Systems

Oldfield

Rpt. 2008	327 pp	9788126516612
BSPJ/W	PB	* Rs. 950.00

Digital Design using Field Programmable Gate Arrays

Chan and Mourad

Rpt. 2009	233 pp	9788131724408
BSPPEA	PB	Rs. 525.00

Field-Programmable Gate Array Technology

Stephen M. Trimberger

Rpt. 2007	258 pp	9788181286031
BSPSPR	PB	Rs. 895.00
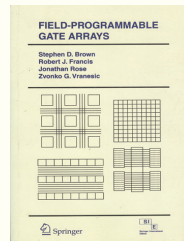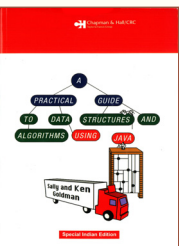
Field-Programmable Gate Arrays

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

	Rpt. 2007	206 pp	9788181286895
BSPSPR	PB		Rs. 725.00

OOPS, C++ AND JAVA

A Practical Guide to Data Structures and Algorithms using JAVA with CD

NEW

Sally Goldman and Kenneth Goldman

Contents: I. Introduction, II. Collection Data Structures & Algorithms, III. Graph Data Structures & Algorithms

Rpt. 2015	9781584884552	1026 pp	BSPT&F	PB	Rs.1995.00
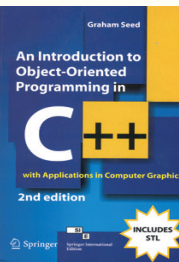
An Introduction to Object-Oriented Programming in C++,
with Applications in Computer Graphics, 2nd Ed.

Graham Seed

Rpt. 2008	972 pp	9788184890150
BSPSPR	PB	Rs. 675.00
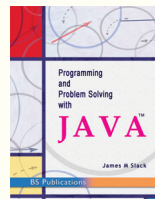
Programming and Problem Solving with JAVA™

James M. Slack

Rpt. 2008	1137 pp	9788178001746
BSPBSP	PB	Rs. 595.00
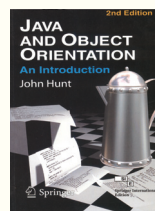
Java and Object Orientation: An Introduction, 2nd Ed.

John Hunt

Rpt. 2008	484 pp	9788184890167
BSPSPR	PB	Rs. 650.00

GENERAL

The Engineering Handbook, 2nd Ed.

Richard C. Dorf

REFERENCE

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

COMPUTER BASICS
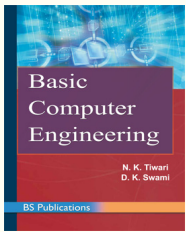
Basic Computer Engineering

N. K. Tiwari and D. K. Swami

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	9788178003221	381 pp	BSPBSP	PB	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	288 pp	9789381075111	BSPBSP	PB	Rs.175.00
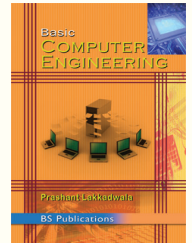
SOFTWARE ARCHITECTURE / QUALITY
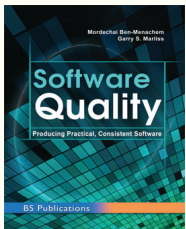
Software Quality: Producing Practical, Consistent Software

Mordechai Ben-Menachem and Garry S. Marliss

Contents: **1.** Introduction to Software Quality **2.** Establishment of a Software Quality Program **3.** The Trillion Dollar Dilemma - The Year 2000, **4.** Software Quality Assurance Planning -an Overview **5.** Software Quality Assurance Plan-Purpose and Scope **6.** Software Quality Assurance Plan – Management **7.** Documentation **8.** Standards, Practices, Conventions and Metrics **9.** Reviews and Audits **10.** Test, **11.** Problem Reporting and Corrective Action **12.** Tools, Techniques and Methodologies **13.** Code Control **14.** Media Control **15.** Supplier Control, **16.** Records Collection, Maintenance and Retention **17.** Training **18.** Risk Management, **19.** Comparison of the ISO 9000 Model With SEI's CMM

2014	326 pp	9789383635030	BSPBSP	PB	Rs. 495.00
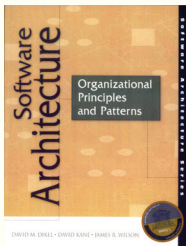
Software Architecture:
Organizational Principles and Patterns

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	281 pp	9788131756232	BSPPEA	PB	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	283 pp	9788132202288	BSPSPR	PB	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. 2011	428 pp	9780849314452	BSPCRC	PB	Rs. 495.00

Beyond Software Architecture: Creating and Sustaining Winning Solutions

Luke Hohmann

Contents: **1.** Software Architecture **2.** Product Developement 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

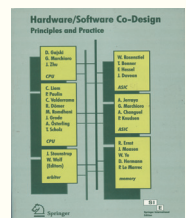| Rpt. 2010	352 pp	9788131756225	BSPPEA	PB	Rs. 750.00

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 Requiremetns **2.** Testing Web and E-Business Applications **3.** Certification and Testing of Embedded and Safety-Critical Systems
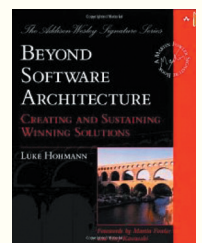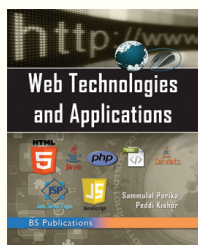
Rpt.2010	288 pp	9788184896350	BSPSPR	PB	Rs. 595.00

Hardware/Software Co-Design:
Principles and Practice

Jørgen Staunstrup and Wayne Wolf

Rpt. 2006	395 pp	9788181286840			
BSPSPR			PB		* Rs. 995.00

WEB - APPLICATIONS

Web Technologies & Applications

NEW

Sammulal Porika and Peddi Kishor

Contents: Part – A: Unit - 1. Hyper Text Markup Language, Unit – 2. Java Beans, Part – B Unit – 1. PHP, Unit – 2. XML, Unit – 3. Servlets, Unit – 4. Java Server Pages, Unit – 5. Java Script

2016	538 pp	9789352300846	BSPBSP	PB	Rs. 525.00

Web Services & SOA Principles & Technology

NEW

Michael P. Papazoglou

Contents: Part – I Basics, Part - II Enabling infrastructure, Part – III Core Functionality & Standards, Part – IV Event notification & Service Oriented Architectures, Part – V Services Composition & Transactions, Part – VI SOA Security & Policies, Part – VII Service semantics & business protocols, Part – VIII Soa modeling, design & development, Part-IX Service management, Part – X Emerging trends.

Rpt. 2015	812 pp	9789332543683	BSPPEA	PB	Rs. 1195.00
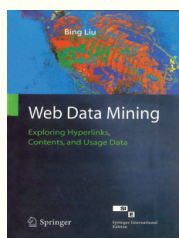
Web Data Mining: Exploring Hyperlinks, Contents and Usage Data

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	9788184896176	BSPSPR	PB	* Rs. 1095.00

PHP 5 Recipes: A Problem -Solution Approach

Lee Babin and Nathan A. Good

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
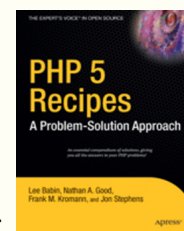
Rpt. 2013	646 pp	9788132213239	BSPSPR	PB	Rs. 699.00
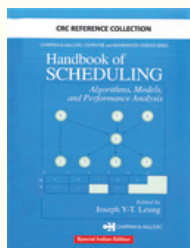
Handbook of Scheduling:
Algorithms, Models, and Performance Analysis

REFERENCE

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

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 Managemtn 12. Conclusion
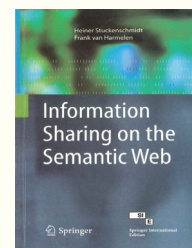
Rpt. 2010	276 pp	9788184896244	BSPSPR	PB	Rs. 750.00
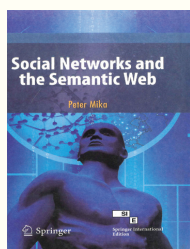
Social Networks and the Semantic Web

Peter Mika

Rpt. 2010	234 pp	9788184896435
BSPSPR	PB	Rs. 675.00
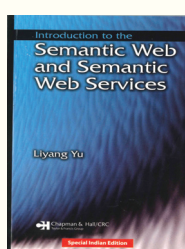
Introduction to the Semantic Web and Semantic Web Services

Liyang Yu

Rpt. 2010	341 pp	9781584889335
BSPCRC	PB	Rs. 850.00

Visit: www.bspbooks.net / www.bspublications.net for latest updates

CSE/01/01/16/QTY 3000