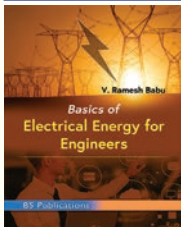


**Electrical and Electronics Engineering**

- ▶ Electrical Engineering Basics
- ▶ Control Systems
- ▶ Electronics
- ▶ Energy Sources
- ▶ Electrical Engineering – General
- ▶ Engineering Electromagnetics
- ▶ Electric Machines/Electrical Drives
- ▶ Instrumentation
- ▶ High Voltage Engineering
- ▶ Electrical Measurements / Instruments
- ▶ Neural Networks
- ▶ MEMS
- ▶ Power Systems
- ▶ Power Electronics
- ▶ SPICE / MATLAB / SIMULINK



**ELECTRICAL ENGINEERING BASICS**



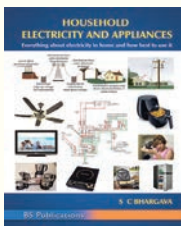
**Basics of Electrical Energy for Engineering** **NEW**

Click NOW For More Info!

**V. Ramesh Babu**

**Contents:** 1. Introduction to Electrical Energy and DC Circuits 2. Steady State A.C Circuits 3. Transformers and DC Machines 4. Alternating Current Machines 5. Semi-Conductor Devices 6. Op-Amps, Transducers and Data Acquisition

**2023 | 9789395038270 | 276 pp | BSPBSP | PB | Rs. 350.00**



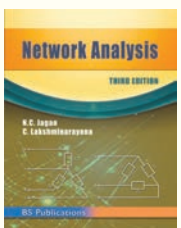
**Household Electricity and Appliances**

Click NOW For More Info!

**S C Bhargava**

**Contents:** PART - A ELECTRICITY – General, What it is and where does it come from, PART - B Know Your Appliances, Inside the House: General, Inside Kitchen, ... And as a Matter of Interest ... 10 must-have gadgets for your kitchen, Inside Bathroom, ... Some Added Information on Thermostats and Timers, Miscellaneous, PART C - Entertainment Electronics, PART D - Electrical Energy for the Future, Electricity to the Earth in Future, Concluding Remarks

**2020 | 9789390211265 | 312 pp | BSPBSP | PB | Rs. 795.00**



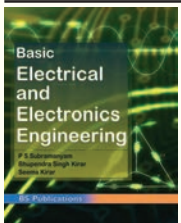
**Network Analysis, 3rd Ed.**

Click NOW For More Info!

**N. C. Jagan and C. Lakshminarayana**

**Contents:** 1. Network Variables and Elements 2. Kirchoff's Laws and Resistive Networks 3. Single Phase Circuits 4. Three Phase Circuits 5. Network Topology 6. Network Theorems 7. Differential Equations and Initial Conditions in RLC Networks 8. Time Response of R L C Networks 9. Laplace Transform Method of Analysis of Networks 10. Two Port Networks 11. Network Filters and Attenuators 12. Fourier Series and Fourier Transforms

**Rpt.2025 | 9789383635146 | 876 pp | BSPBSP | PB | \*Rs. 1295.00**



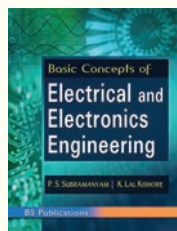
**Basic Electrical and Electronics Engineering**

Click NOW For More Info!

**P. S. Subramanyam et. al.**

**2011 | 9789381075470 | 561 pp | BSPBSP | PB | Rs. 350.00**

**ELECTRICAL ENGINEERING BASICS**



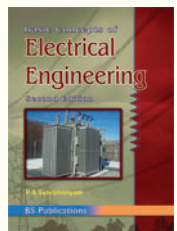
**Basic Concepts of Electrical and Electronics Engineering**

Click NOW For More Info!

**P. S. Subramanyam and K. Lal Kishore**

**Contents:** 1. D.C. Circuit Concepts and Circuit Elements 2. D.C. Circuit Analysis 3. Fundamentals of Alternating Current 4. A.C. Circuits 5. Network Theorems 6. Semiconductor Diodes, Rectifiers and Filters 7. BJT and Transistor Configurations 8. JFET and Special Purpose Devices

**2017 | 9789352301478 | 594 pp | BSPBSP | PB | Rs. 350.00**



**Basic Concepts of Electrical Engineering, 2nd Ed.**

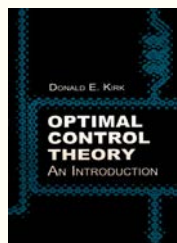
Click NOW For More Info!

**P. S. Subramanyam**

**Contents:** 1. D.C. Circuit Concepts & Circuit Elements-1 2. D.C. Circuit Analysis & Network Theorems 3. Fundamentals Of Alternating Current 4. A.C. Circuit 5. Magnetic Circuits & Electro - Magnetic Induction 6. Transformers 7. Rotating Machines - I - D.C. Machines 8. Rotating Machines - II - Synchronous Machines 9. Rotating Machines-III - Induction Motors and Special Motors 10. Electrical Measuring Instruments 11. Introduction to Power System

**Rpt. 2019 | 9788178002781 | 725 pp | BSPBSP | PB | Rs. 695.00**

**CONTROL SYSTEMS**



**Optimal Control Theory An Introduction**

Click NOW For More Info!

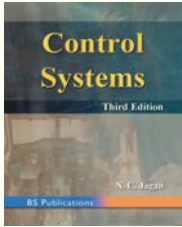
**Kirk Donald E.**

**Contents:** Part – I: Describing the System and Evaluating Its Performance 1. Introduction 2. The Performance Measure Part – II: Dynamic Programming 3. Dynamic Programming Part – III: The Calculus of Variations and Pontryagins Minimum Principle 4. The Calculus of Variations 5. The Variational Approach to Optimal Control Problems Part – IV: Iterative Numerical Techniques for Finding Optimal Controls and Trajectories 6. Numerical Determination of Optimal Trajectories Part – V: Conclusion 7. Summation.

**Rpt. 2016 | 9780486324326 | 480 pp | BSPDOV | PB | Rs. 995.00**

Visit: [www.bspbooks.net](http://www.bspbooks.net) / [www.bspublications.net](http://www.bspublications.net) for latest updates

**CONTROL SYSTEMS**



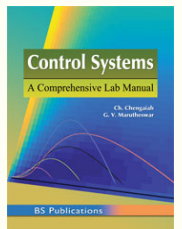
**Control Systems, 3rd Ed.**

**N. C. Jagan**

**Click NOW**  
For More Info!

**Contents:** 1. Introduction, 2. Mathematical Modelling of Physical Systems, 3. Time Response Analysis of Control Systems, 4. Stability of Systems, 5. Root Locus Analysis, 6. Frequency Response of Control systems, 7. Nyquist Stability Criterion and Closed Loop Frequency Response, 8. Design in Frequency Domain, 9. State Space Analysis of Control Systems

**Rpt. 2019 | 9789383635832 | 548 pp | BSPBSP | PB | Rs. 525.00**



**Control Systems: A Comprehensive Lab Manual**

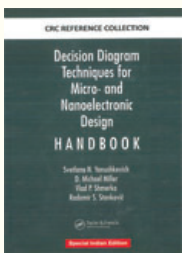
**Ch. Chengaiah & G. V. Marutheswar**

**Click NOW**  
For More Info!

**Contents:** 1. Introduction to Matlab 2. Familiarization with MATLAB Control System Toolbox 3. Transfer Functions 4. Time Domain Analysis 5. Stability Analysis 6. Compensation and Controllers of Control Systems 7. State Space Analysis in Control Systems 8. Simulink Model

**2017 | 9789352301584 | 126 pp | BSPBSP | PB | Rs. 150.00**

**ELECTRONICS**



**Decision Diagram Techniques for Micro- and Nanoelectronic Design Handbook**

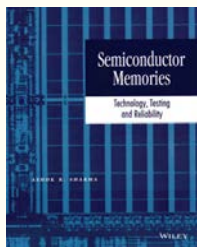
**Svetlana N. Yanushkevich, D. Michael Miller, Vlad P. Shmerko and Radomir S. Stankovic**

**REFERENCE**

**Click NOW**  
For More Info!

**Contents:** I: Fundamentals Of Decision Diagram Techniques, II: Decision Diagram Techniques For Switching Functions, III: Decision Diagram Techniques For Multivalued Functions, IV: Selected Topics Of Decision Diagram Techniques,

**Rpt. 2013 | 9780849334245 | 923 pp | BSPCRC | HB | Rs. 4000.00**



**Semiconductor Memories Technology, Testing and Reliability**

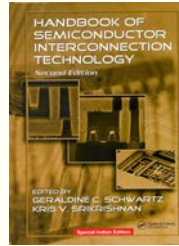
**Ashok K. Sharma**

**Click NOW**  
For More Info!

**Contents:** 1. Introduction, 2. Random Access Memory Technologies, 3. Nonvolatile Memories, 4. Memory Fault Modeling and Testing, 5. Memory Design for Testability and Fault Tolerance, 6. Semiconductor Memory Reliability, 7. Semiconductor Memory Radiation Effects, 8. Advanced Memory technologies, 9. High-Density Memory Packing Technologies.

**Rpt. 2014 | 9788126548378 | 460 pp | BSPJW | PB | Rs. 1295.00**

**ELECTRONICS**



**Handbook of Semiconductor Interconnection Technology, 2nd Ed.**

**Click NOW**  
For More Info!

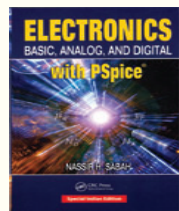
**REFERENCE**

**Geraldine C. Schwartz and**

**Kris V. Srikrishnan**

**Contents:** 1. Methods/Principles of Deposition and Etching of Thin Films 2. Characterization 3. Semiconductor Contact Technology 4. Interlevel Dielectrics 5. Metallization 6. Chip Integration 7. Reliability.

**Rpt. 2014 | 9781574446746 | 522 pp | BSPCRC | HB | Rs. 6000.00**



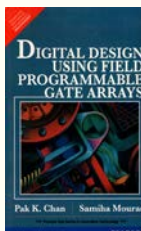
**Electronics: Basic, Analog and Digital with PSpice**

**Nassir H. Sabah**

**Click NOW**  
For More Info!

**Contents:** 1. Basic Diode Circuits, 2. Basic Principles of Semiconductors, 3. PN Junction and Semiconductor Diodes, 4. Semiconductor Fabrication, 5. Field Effect Transistors, 6. Bipolar Junction Transistor, 7. Two-Port Circuits, Amplifiers, and Feedback, 8. Single-Stage Transistor Amplifiers, 9. Multistage and Feedback Amplifiers, 10. Differential and Operational Amplifiers, 11. Power Amplifiers and Switches, 12. Basic Elements of Digital Circuits, 13. Digital Logic Circuit Families

**Rpt. 2013 | 9781420087079 | 763 pp | BSPCRC | PB | Rs. 1295.00**



**Digital Design using Field Programmable Gate Arrays**

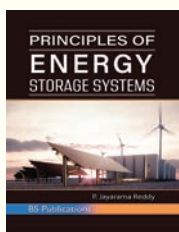
**Chan & Mourad**

**Click NOW**  
For More Info!

**Contents:** 1. Introduction 2. Field-Programmable Gate Arrays 3. Design Flow 4. Review of Logic Design 5. Multilevel Logic Minimization 6. Finite State Machines 7. Placement and Routing 8. Verification and Testing 9. Design Guidelines and Case Studies

**Rpt. 1994 | 9788131724408 | 250 pp | BSPPEA | PB | Rs. 695.00**

**ENERGY SOURCES**



**Principles of Energy Storage Systems**

**Co-Published with**  
CRC Press | Taylor & Francis Group

**Click NOW**  
For More Info!

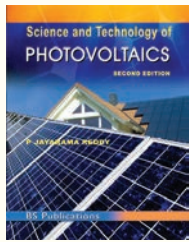
**P. Jayarama Reddy**

**Contents:** 1. Introduction (*Electricity & Electrical Energy Storage*) 2. Overview of Energy Storage Technologies 3. Mechanical Energy Storage 4. Electrochemical Energy Storage 5. Electrical/Electromagnetic Energy Storage 6. Chemical Energy Storage (*Hydrogen and SNG*) 7. Thermal Energy Storage 8. Applications of Energy Storage 9. Maturity and Status of Energy Storage Systems

**Rpt. 2025 | 9789395038065 | 415 pp | BSPBSP | PB | Rs. 695.00**

Visit: [www.bspbooks.net](http://www.bspbooks.net) / [www.bspublications.net](http://www.bspublications.net) for latest updates

**ENERGY SOURCES**



**Science & Technology of Photovoltaics, 2<sup>nd</sup> Ed.**

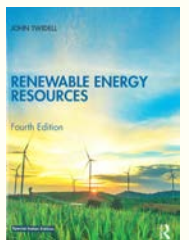
**Jayarama Reddy P.**

Co-Published with  
CRC Press | Taylor & Francis Group

Click NOW  
For More Info!

**Contents :** 1. Fundamentals of Solar Cells 2. Solar Cell Technologies 3. Solar Modules & Arrays 4. Solar Photovoltaic Systems 5. Storage Batteries 6. Power Conditioning Equipment 7. Design, Installation and Operation of a Solar PV System 8. Building Integrated Photovoltaics 9. Energy Analysis and Environmental Issues 10. Market for Photovoltaics

**2012 | 9789381075913 | 334 pp | BSPBSP | PB | Rs. 695.00**



**Renewable Energy Resources, 4<sup>th</sup> Ed.**

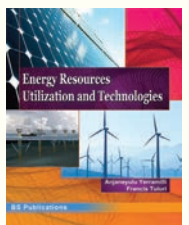
AICTE Recommended

Click NOW  
For More Info!

**John Twidell and Tony Weir**

**Contents:** 1. Principles of renewable energy 2. Solar radiation characteristics and impacts: including the greenhouse effect 3. Solar water heating 4. Other solar thermal applications 5. Photovoltaic (PV) power technology 6. Hydropower 7. Wind resource 8. Wind power technology 9. Biomass resources from photosynthesis 10. Bioenergy technologies 11. Wave power 12. Tidal-current and tidal-range power 13. Ocean gradient energy: OTEC and osmotic power 14. Geothermal energy 15. Energy systems: integration, distribution and storage 16. Solar-buildings and efficient energy use; including transportation, manufacture and homes 17. Institutional and economic factors

**Rpt. 2022 | 9781032269252 | 774 pp | BSPT&F | PB | Rs. 1495.00**



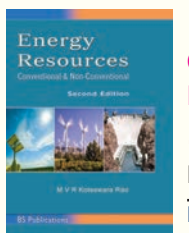
**Energy Resources, Utilization and Technologies**

Click NOW  
For More Info!

Co-Published with  
CRC Press | Taylor & Francis Group

**Anjaneyulu Yerramilli and Francis Tulari**

**Rpt. 2017 | 9789381075890 | 549 pp  
BSPBSP | PB | Rs. 750.00**

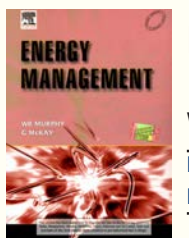


**Energy Resources: Conventional & Non-Conventional, 2<sup>nd</sup> Ed.**

Click NOW  
For More Info!

**M. V. R. Koteswara Rao**

**Rpt. 2017 | 9788178001241 | 232 pp  
BSPBSP | HB | Rs. 550.00**



**Energy Management**

Click NOW  
For More Info!

AICTE Recommended

**W. R. Murphy and G. McKay**

**Rpt. 2018 | 9788131207383 | 374 pp  
BSPELS | PB | \* Rs. 1195.00**

**ELECTRICAL ENGINEERING — GENERAL**



**The Engineering Handbook, 2<sup>nd</sup> Ed.**

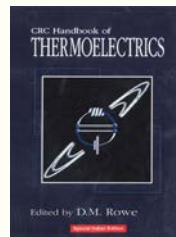
REFERENCE

**Richard C. Dorf**

Click NOW  
For More Info!

**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 | 9780849315862 | 3080 pp | BSPCRC | HB | Rs. 6000.00**



**CRC Handbook of Thermoelectrics**

Click NOW  
For More Info!

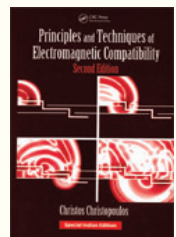
**D. M. Rowe**

REFERENCE

**Contents:** Section A: General Principles and Theoretical Considerations, Section B: Material Preparation, Section C: Measurement of Thermoelectric Properties, Section D: Thermoelectric Materials, Section E: Thermoelectric Generation, Section F: Generator Applications, Section G: Thermoelectric Refrigeration, Section H: Applications of Thermoelectric Cooling

**Rpt. 2014 | 9780849301469 | 716 pp | BSPCRC | HB | Rs. 6000.00**

**ENGINEERING ELECTROMAGNETICS**



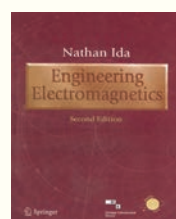
**Principles and Techniques of Electromagnetic Compatibility, 2<sup>nd</sup> Ed.**

Click NOW  
For More Info!

**Christos Christopoulos**

**Contents:** Part I: UNDERLYING CONCEPTS AND TECHNIQUES, 1. Introduction to Electromagnetic Compatibility, 2. Electromagnetic Fields, 3. Electrical Circuit Components, 4. Electrical Signals and Circuits, Part II: GENERAL EMC CONCEPTS AND TECHNIQUES, 5. Sources of Electromagnetic Interference, 6. Penetration through Shields and Apertures, 7. Propagation and Crosstalk, 8. Simulation of the Electromagnetic Coupling Between Systems, 9. Effects of Electromagnetic Interference on Devices and Systems, Part III: INTERFERENCE CONTROL TECHNIQUES, 10. Shielding and Grounding, 11. Filtering and Nonlinear Protective Devices 12. General EMC Design Principles, Part IV: EMC STANDARDS AND TESTING, 13. EMC Standards, 14. EMC Measurements and Testing, Part IV: EMC IN SYSTEMS DESIGN, 15. EMC and Signal Integrity (SI), 16. EMC and Wireless Technologies, 17. EMC and Broadband Technologies, 18. EMC and Safety 19. Statistical EMC

**Rpt. 2013 | 9780849370359 | 513 pp | BSPT&F | PB | Rs. 1095.00**



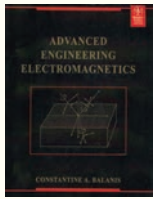
**Engineering Electromagnetics, 2<sup>nd</sup> Ed.**

Click NOW  
For More Info!

**Nathan Ida**

**Rpt. 2008 | 9788181282736 | 1236 pp  
BSPSPR | PB | Rs. 1495.00**

**ENGINEERING ELECTROMAGNETICS**



**Advanced Engineering Electromagnetics**

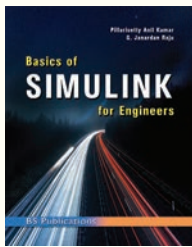
Constantine A. Balanis

**AICTE Recommended**

Rpt. 2013 | 9788126518562 | 1002 pp  
BSPJW | PB | \* Rs. 1995.00

**Click NOW For More Info!**

**ELECTRIC MACHINES / ELECTRICAL DRIVES**



**Basics of SIMULINK for Engineers**

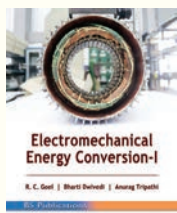
Pillarisetty Anil Kumar and G. Janardan Raju

Contents: 1. Introduction to Simulink 2. Basic Mathematical Operations 3. Matrices 4. Algebraic Equations 5. Complex Numbers 6. Interpolation and Extrapolation of Data 7. Calculus 8. Plotting Signals 9. Solving Differential Equations

2024 | 9789395038034 | 138pp | BSPBSP | PB | Rs. 295.00

**NEW**

**Click NOW For More Info!**



**Electromechanical Energy Conversion - I**

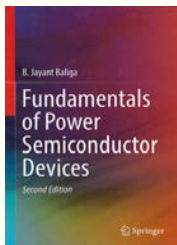
R. C. Goel, Bharti Dwivedi, Anurag Tripathi

Contents: 1. Electromechanical Energy Conversion 2. Single Phase Transformer 3. Three Phase Transformer 4. DC Generators 5. Dc Motors

Rpt. 2025 | 150 pp | 9789395038294 | BSPBSP | PB | Rs. 350.00

**NEW**

**Click NOW For More Info!**



**Fundamentals of Power Semiconductor Devices**

B. Jayant Baliga

Contents: 1. Introduction 2. Material Properties and Transport Physics 3. Breakdown Voltage 4. Schottky Rectifiers 5. P-i-N Rectifiers 6. Power MOSFETs 7. Bipolar Junction Transistors 8. Thyristors 9. Insulated Gate Bipolar Transistors 10. Synopsis

2019 | 9783319939872 | 1118pp | BSPSPR | HB | € 129.99

**Click NOW For More Info!**

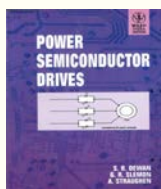


**Power Semiconductor Drives**

P. Venkateswara Rao

Rpt. 2018 | 9789383635887 | 311 pp  
BSPBSP | PB | Rs. 450.00

**Click NOW For More Info!**



**Power Semiconductor Drives**

S. B. Dewan, G. R. Slemon and A. Straughen

Rpt. 2013 | 9788126522569 | 354 pp  
BSPJW | PB | \* Rs. 1295.00

**Click NOW For More Info!**

**ELECTRIC MACHINES / ELECTRICAL DRIVES**



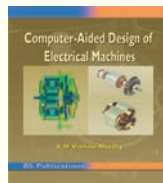
**Electrical Machines and Drive Systems, 3rd Ed.**

John Hindmarsh and Alasdair Renfrew

Contents: 1. Introduction and review of basic theory 2. Transformers 3. D. C. Machines 4. Induction Machines 5. Synchronous Machines 6. Transient Behavior; closed-loop control 7. Power-electronic/ electrical machine drives 8. Mathematical and computer simulation of machine drives

Rpt. 2012 | 9789381269398 | 383 pp | BSPELS | PB | Rs.995.00

**Click NOW For More Info!**



**Computer Aided Design of Electrical Machines**

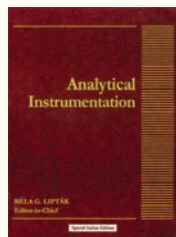
K. M. Vishnu Murthy

**AICTE Recommended**

Rpt. 2025 | 9788178001456 | 324 pp | BSPBSP | PB | Rs. 350.00

**Click NOW For More Info!**

**INSTRUMENTATION**



**Analytical Instrumentation**

Bela G. Liptak

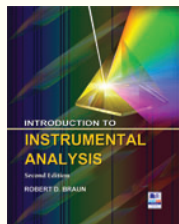
Contents: 1. Analyzer Application and Selection 2. Analyzer Sampling-Process Samples, 3. Analyzer Sampling-Stack Particulates, 4. Air Quality Monitoring, 5. Biometers, 6. Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Oxygen Demand (TOD), 7. Calorimeters, 8. Carbon Dioxide, 9. Carbon Monoxide 10. Chlorine 11. Chromatographs-Gas, 12. Chromatographs-Liquid, 13. Coal Analyzers, 14. Colorimeters, 15. Combustibles 16. Conductivity Analyzers, 17. Consistency Analyzers, 18. Corrosion Monitoring, 19. Differential Vapor Pressure Sensor, 20. Dioxin Analysis, 21. Elemental Monitors, 22. Fiber-Optic Probes, 23. Fluoride Analyzers, 24. Hydrocarbon Analyzers 25. Hydrogen Sulfide, 26. Infrared Analyzers, 27. Non-Selective Electrodes, 28. Mass Spectrometers, 29. Mercury in Air 30. Mercury in water, 31. Moisture in Air: Humidity and Dew point, 32. Moisture in Gases and Liquids, 33. Moisture in Solids, 34. Molecular Weight, 35. Nitrate, Ammonia, and total Nitrogen, 36. Nitrogen oxide Analyzers, 37. Odor Detection, 38. Oil in or on Water 39. Oxidation-Reduction Potential (ORP), 40. Oxygen in gases, 41. Oxygen in liquids (dissolved oxygen), 42. Ozone in Gas, 43. Ozone in water, 44. Particulates, Opacity, Dust, and Smoke, 45. Particle size and Distribution Monitors, 46. pH measurement 47. Phosphorus Analyzer 48. Physical properties analyzers-ASTM methods, 49. Refractometers, 50. Streaming current on particle charge analyzer, 51. Sulfur-in-oil Analyzers, 52. Sulfur oxide Analyzers, 53. Thermal Conductivity detectors, 54. Total Carbon Analyzers, 55. Toxic Gas Monitoring, 56. Turbidity, Sludge, and Suspended solids 57. Ultraviolet and Visible Analysis, 58. Viscometers-Application and Selection, 59. Viscometers-Laboratory, 60. Viscometers-Industrial, 61. Voltametric, Amperometric, and other Electrochemical Analyzers, 62. Water Quality Monitoring, 63. Wet-Chemistry and Analyzers

2012 | 9780801983979 | 471 pp | BSPT&F | PB | Rs. 1795.00

**Click NOW For More Info!**

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

## INSTRUMENTATION



## Introduction to Instrumental Analysis, 2<sup>nd</sup> Ed.

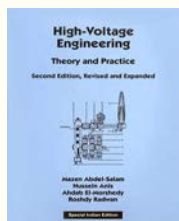
Robert D. Braun

Click NOW  
For More Info!

**Contents:** 1. Introduction to Chemical Instrumental Analysis, 2. Simple DC and AC Electric Circuits, 3. Electronic Circuits, 4. Operational Amplifiers, Logic Devices, and Computers, 5. Introduction to Spectral Methods of Analysis, 6. Atomic Absorption Spectrophotometry, 7. Flame Emission and Atomic Emission, 8. Atomic Fluorescence, Resonant Ionization, and Laser-Enhanced Ionization, 9. Ultraviolet-Visible Spectroscopy of Polyatomic Species 10. Chemiluminescence and Electrochemiluminescence, 11. Fluorescence and Phosphorescence, 12. Infrared Spectrophotometry, 13. Photoacoustic Spectroscopy, 14. Radiative Scattering, 15. Refractometry 16. Nuclear Magnetic Resonance Spectroscopy, 17. Electron Spin Resonance Spectrometry, 18. X-Ray Methods, 19. Electron Spectroscopy, 20. Radiochemical Methods, 21. Mass Spectrometry, 22. Potentiometry, 23. Nonpotentiometric Electroanalysis, 24. Introduction to Chromatography, 25. Liquid Chromatography, 26. Gas Chromatography, 27. Thermal Analysis, 28. Automated Analysis

Rpt. 2022 | 9789381075920 | 1106 pp | BSPPMP | PB | \*Rs. 1195.00

## HIGH VOLTAGE ENGINEERING



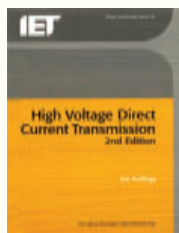
## High Voltage Engineering: Theory and Practice, 2<sup>nd</sup> Ed.

Abdel Salam

Click NOW  
For More Info!

**Contents:** 1. Introduction Part - I 2. Electric Fields 3. Ionization and Deionization Processes in Gases 4. Electrical Breakdown of GASES 5. The Corona Discharge 6. The Arc Discharge 7. Insulating Liquids 8. Solid Insulating Materials Part - II 9. High-Voltage Busbars 10. Gas-Insulated Switchgear 11. Circuit Breaking 12. High-Voltage Cables 13. Grounding Systems 14. Over-voltages on Power Systems 15. Insulation Coordination 16. High-Voltage Generation 17. High-Voltage Measurements Part - III 18. Testing Techniques 19. Applications of High-Voltage Engineering in Industry 20. Safety and Electrostatic Hazards

Rpt. 2010 | 9780824704025 | 725 pp | BSPT&F | PB | Rs. 1195.00



## High Voltage Direct Current Transmission, 2<sup>nd</sup> Ed.

Jos Arrillaga

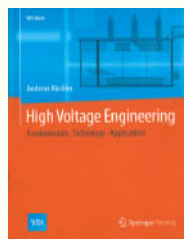
Click NOW  
For More Info!

AICTE Recommended

**Contents:** 1. Introduction 2. Static power conversion, 3. Harmonic elimination, 4. HVDC system development 5. Control of HVDC converters and systems 6. Interaction between AC and DC systems 7. Main design consideration 8. Fault development and protection 9. Transient over voltages and insulation co-ordination 10. DC versus AC transmissions 11. New concepts in HVDC converters and systems.

Rpt. 2016 | 299 pp | 9780852969410 | BSPIET | HB | Rs. 1895.00

## HIGH VOLTAGE ENGINEERING



## High Voltage Engineering Fundamentals – Technology – Applications

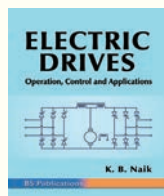
Küchler

Click NOW  
For More Info!

**Contents:** 1. Introduction 2. Electric Stresses 3. Electric Strength 4. Dielectric System Characteristics 5. Insulating Materials 6. Testing, Measuring and Diagnosis 7. Applications

2018 | 9783642119927 | 664pp | BSPSPR | HB | € 119.99

## ELECTRICAL MEASUREMENTS / INSTRUMENTS



## Electric Drives: Operation, Control and Applications

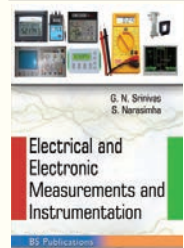
KB Naik

Click NOW  
For More Info!

NEW

**Contents:** 1. Basics of electric drive 2. Characteristics of mechanical loads and electrical drive system 3. DC machines for drives 4. Induction machines for drives 5. Synchronous machines for drives 6. Power rating of electric motors 7. Control of dc motor drives 8. Power converters for ac drives 9. Control of induction motor drives 10. Control of synchronous motor drives 11. Stepper motor and variable reluctance motor drives 12. Photo-voltaic powered drives 13. Electromagnetic controllers for electric motors 14. Typical applications of electrical drives

2025 | 9789389974942 | 1262 pp | BSPBSP | PB | Rs. 1995.00



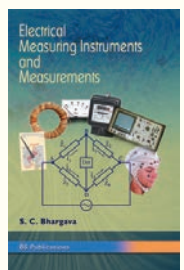
## Electrical and Electronic Measurements

Srinivas G.N. and S. Narasimha

Click NOW  
For More Info!

**Contents:** 1. Measuring Instruments 2. Instrument Transformer 3. Measurement of Power 4. Measurement of Energy 5. Potentiometers 6. Resistance Measurements 7. A.C Bridges 8. Magnetic Measurements 9. Electronic Instruments 10. Dual Trace Oscilloscope 11. Transducers 12. Display Devices and Singal Generators 13. Cathode Ray Oscilloscope

2018 | 9789352301928 | 570 pp | BSPBSP | PB | Rs. 495.00



## Electrical Measuring Instruments and Measurements

S. C. Bhargava

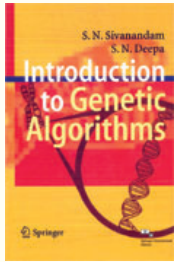
Click NOW  
For More Info!

Co-Published with  
CRC Press | Taylor & Francis Group

**Contents:** 1. Units, Dimensions and Standards, 2. Magnetism, Electricity and Electromagnetism, 3. Electrical Circuit Analysis, 4. Visual Display and Analyses, 5. Measuring Instruments, 6. Extension of Instruments Range: Current and Potential Transformers, 7. Measurement of Power, 8. Measurement of Energy, 9. Potentiometers, 10. Measurement of Resistance, 11. AC and DC Bridges and Bridge Methods, 12. Magnetic Measurements, 13. Measurement of Non-electrical Quantities

Rpt. 2019 | 9789381075722 | 914pp | BSPBSP | PB | Rs. 850.00

**NEURAL NETWORKS**



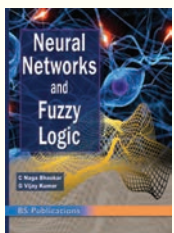
**Introduction to Genetic Algorithms**

**Click NOW For More Info!**

**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. 1295.00**



**Neural Networks and Fuzzy Logic**

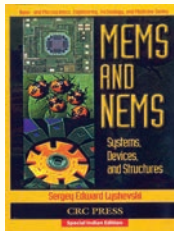
**Click NOW For More Info!**

**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

**Rpt. 2025 | 9789381075401 | 300 pp | BSPBSP | PB | \*Rs. 495.00**

**MEMS**



**MEMS and NEMS: Systems, Devices, and Structures**

**Click NOW For More Info!**

**Sergey Edward Lyshchevski**

**Contents:** 1. Overview and Introduction 2. New Trends in Engineering and Science: Micro- and Nanoscale Systems 3. Fundamentals of MEMS Fabrication 4. Devising and Synthesis of MEMS AND NEMS 5. Modeling of Micro- and Nanoscale Electromechanical Systems, Devices, and Structures 6. Nanosystems, Quantum Mechanics, and Mathematical Models 7. Control of Microelectromechanical Systems 8. Case Studies: Synthesis, Analysis, Fabrication, and Computer-Aided Design of MEMS

**Rpt. 2010 | 9780849312625 | 461 pp | BSPT&F | PB | Rs. 1095.00**



**RF MEMS: Theory, Design, and Technology**

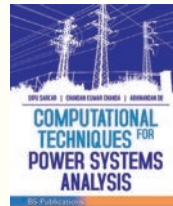
**Click NOW For More Info!**

**Gabriel M. Rebeiz**

**Contents:** 1. Introduction: RF MEMS for Microwave Applications 2. Mechanical Modeling of MEMS Devices: Static Analysis 3. Mechanical Modeling of MEMS Devices: Dynamic Analysis 4. Electromagnetic Modeling of MEMS Switches 5. MEMS Switch Library 6. MEMS Switch Fabrication and Packaging 7. MEMS Switch Reliability and Power Handling 8. Design of MEMS Switch Circuits 9. MEMS Phase Shifters 10. Distributed MEMS Phase Shifters and Switches 11. MEMS Varactors and Tunable Oscillators 12. Micro machined Inductors 13. Reconfigurable MEMS Networks, Filters, Antennas, and Subsystem 14. Phase Noise Analysis of MEMS Circuits, Phase Shifters, and Oscillators 15. Future Work in RF MEMS.

**Rpt. 2010 | 9788126525805 | 483 pp | BSPJW | PB | \*Rs. 1995.00**

**POWER SYSTEMS**



**Computational Techniques for Power Systems Analysis**

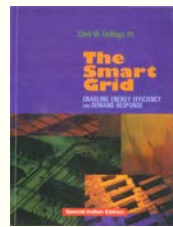
**Click NOW For More Info!**

**Dipu Sarkar, Chandan Kumar Chanda, Abhinandan De**

**NEW**

**Contents:** 1. Per Unit Representation 2. Introduction to Fault Analysis 3. Symmetrical Fault Analysis 4. The Analytical Concept for Symmetrical Components 5. Asymmetrical Faults in Power Systems 6. Load Flow Analysis 7. Economic Load Dispatch 8. Power Angle Stability and its Analysis

**2024 | 260 pp | 9789390211548 | BSPBSP | PB | Rs. 395.00**



**The Smart Grid**

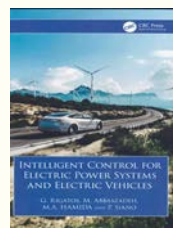
**Click NOW For More Info!**

**Clark W. Gellings, P.E.**

**NEW**

**Contents:** 1. What Is the Smart Grid ? 2. Electric Energy Efficiency in Power Production and Delivery 3. Electric End-Use Energy Efficiency 4. Using a Smart Grid to Evolve the Perfect Power System 5. DC Distribution and the Smart Grid 6. The IntelliGridsm Architecture for the Smart Grid 7. The Smart Grid-Enabling Demand Response: The Dynamic Energy Systems Concept 8. The Energy Port SM as Part of the Smart Grid 9. Policies and Programs to Encourage End-Use Energy Efficiency 10. Market Implementation 11. Efficient Electric End-Use Technology Alternatives 12. Demand-Side Planning 13. Demand-Side Evaluation

**Rpt. 2024 | 316 pp | 9781032792866 | BSPCRC | HB | Rs. 2495.00**



**Intelligent Control for Electric Power Systems and Electric Vehicles**

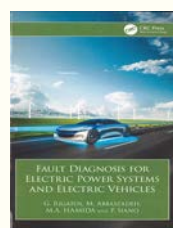
**Click NOW For More Info!**

**G. Rigatos, M. Abbaszadeh**

**NEW**

**Contents:** 1. Nonlinear optimal control and Lie algebra-based control 2. Differential flatness theory and flatness-based control methods 3. Control of DC and PMBLDC electric motors 4. Control of VSI-fed three-phase and multi-phase PMSMs 5. Control of energy conversion chains based on distributed PMSMs 6. Control of energy conversion chains based on Induction Machines 7. Control of multi-phase machines in gas processing and power units 8. Control of spherical PM motors and switched reluctance motors 9. Control of traction and powertrains in EVs and HEVs 10. Control of renewable power units and heat management units

**Rpt. 2025 | 588 pp | 9781032791906 | BSPCRC | HB | £ 150.00**



**Fault Diagnosis for Electric Power Systems and Electric Vehicles**

**Click NOW For More Info!**

**G. Rigatos, M. Abbaszadeh**

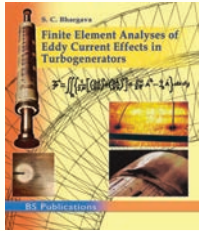
**NEW**

**Contents:** 1. Fault diagnosis with model-based and model-free techniques 2. Fault diagnosis for SG-based renewable energy systems 3. Fault diagnosis for electricity microgrids and gas processing units 4. Fault diagnosis for gas and steam-turbine power generation units 5. Fault diagnosis for wind power units and the distribution grid

**Rpt. 2025 | 250 pp | 9781032864518 | BSPCRC | HB | £ 84.99**

Visit: [www.bspbooks.net](http://www.bspbooks.net) / [www.bspublications.net](http://www.bspublications.net) for latest updates

## POWER SYSTEMS



## Finite Element Analyses of Eddy Current Effects in Turbo-generators

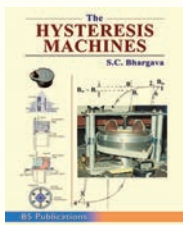
Click NOW  
For More Info!

S. C. Bhargava

Co-Published with  
CRC Press | Taylor & Francis Group

**Contents:** 1. The Eddy Currents 2. Eddy-Current Power Loss 3. Utilisation of Eddy Currents 4. Eddy Currents and Turbogenerators 5. Finite Element Solution of Representative Problems 6. Finite Element Solution of Representative Problems 7. Finite Element Analysis Applied to Turbogenerators 8. Finite-Element Analysis of Eddy-Currents in TG and Temperature Rise 9. The Model Turbogenerator - General 10. The Model Turbogenerator – Representative Studies 11. Case Studies of Large Turbogenerators

2017 | 9789352301713 | 638 pp | BSPBSP | HB | Rs. 4995.00



## The Hysteresis Machines

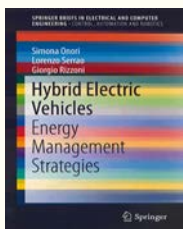
Click NOW  
For More Info!

S.C. Bhargava

Co-Published with  
CRC Press | Taylor & Francis Group

**Contents:** PART A - Introduction 1. Introduction PART B - Hysteresis Machines - General 1. The Hysteresis Motor 2. The Hysteresis Coupling 3. The Hysteresis Brake 4. The Hysteresis Clutch 5. The Hysteresis-Reluctance Motor PART C - Experimental Hysteresis Machine and Analysis 1. General Aspects 2. Tests on the Experimental Machine 3. Computed Magnetic Flux Density Variation 4. Qualitative Theory of Operation 5. Torque Calculation using Poynting Theorem

2020 | 9789389354034 | 296 pp | BSPBSP | PB | Rs.2495.00



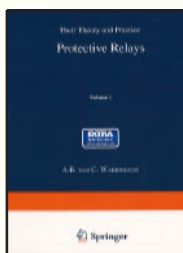
## Hybrid Electric Vehicles Energy Management Strategies

Click NOW  
For More Info!

Simona Onori, Lorenzo Serrao, Giorgio Rizzoni

**Contents:** 1. Introduction 2. HEV Modeling 3. The Energy Management Problem in HEVs 4. Dynamic Programming 5. Pontryagin's Minimum Principle 6. Equivalent Consumption Minimization Strategy 7. Adaptive Optimal Supervisory Control Methods 8. Case Studies

Rpt. 2019 | 9781447174301 | 128pp | BSPSPR | PB | \*Rs. 1295.00



## Protective Relays Their Theory & Practice, Vol - I, 3rd Ed.

Click NOW  
For More Info!

AR Van C. Warrington

**Contents:** 1. Purpose of Protective Relays and Relaying 2. Relay Design and Construction 3. The Main Characteristics of Protective Relays 4. Overcurrent Protection 5. Distance Relays 6. Switched and Polyphase Distance Relays 7. Directional Pilot Relaying 8. A.C. Pilot Relaying 9. Protection of A.C. Machines 10. Power Transformer Protection 11. Bus-Zone Protection 12. Back-up Protection 13. Maintenance and Testing of Relays 14. Miscellaneous

Rpt. 2019 | 9781493991914 | 500pp | BSPSPR | PB | Rs. 1995.00



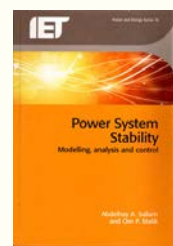
## Protective Relays Their Theory & Practice Vol - II, 3rd Ed.

Click NOW  
For More Info!

AR Van C. Warrington

**Contents:** 1. Basic Principles of Protective Relays 2. Development of Static Relays 3. Basic Semiconductor Devices and Circuits 4. Comparators 5. Output Devices; D. C. Supply; Transient Overvoltages 6. Power System Faults 7. Current and Potential Transformers 8. Overcurrent Directional Relays 9. Different Relays 10. Distance Relays 11. Steady-state Sources of Distance Relay Error 12. Multi-input Comparators 13. Heating, Harmonics and Load-Shedding 14. E. H. V. Line Protection 15. Pilot Differential Protection 16. The Future

Rpt. 2019 | 9789402416770 | 448pp | BSPSPR | PB | Rs. 1995.00



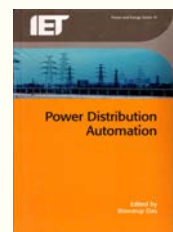
## Power System Stability Modelling, Analysis and Control

Click NOW  
For More Info!

Abdelhay A. Sallam and Om P. Malik

**Contents:** 1. Power system stability overview, Part I : Modelling, 2. Modelling of the synchronous machine, 3. Synchronous machine connected to a power system, 4. Modelling of transformers, transmission lines and loads, Part II : Power flow, 5. Power flow analysis, 6. Optimal power flow, Part III : Stability analysis, 7. Small signal stability, 8. Transient Stability, 9. Transient energy function methods, Part IV : Stability enhancement and control, 10. Artificial Intelligence techniques, 11. Power System Stabiliser, 12. Series compensation, 13. Shunt Compensation, 14. Compensation devices, 15. Recent technologies.

2016 | 9781849199445 | 472 pp | BSPPIET | HB | Rs. 3695.00



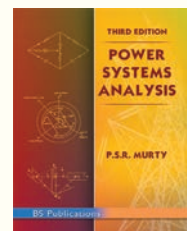
## Power Distribution Automation

Click NOW  
For More Info!

Biswarup Das

**Contents:** 1. Communication systems for distribution automation, 2. Load flow analysis, 3. Short-circuit analysis, 4. Choice of solver for distribution system state estimation, 5. Feeder reconfiguration for loss reduction, 6. Service restoration in distribution system, 7. Feeder reconfiguration for load balancing, 8. Volt/VAR control in distribution systems, 9. Fault location, 10. Fault detection and classification in distribution network, 11. Economic analysis/cost-benefit analysis, 12. Distribution automation at Enexis – a case study.

2016 | 9781849198288 | 350 pp | BSPPIET | HB | Rs. 3995.00



## Power System Analysis, 3rd Ed.

Click NOW  
For More Info!

P. S. R. Murty

Co-Published with  
Elsevier

**Contents:** 1. Introduction 2. Graph Theory 3. Incidence Matrices 4. Network Matrices 5. Building of Network Matrices 6. Symmetrical Components 7. Three-Phase Networks 8. Synchronous machine 9. Lines and Loads 10. Power Flow Studies 11. Short Circuit Analysis 12. Unbalanced fault analysis 13. Power System Stability

Rpt. 2023 | 9789386819932 | 442pp | BSPBSP | PB | Rs. 695.00

**POWER SYSTEMS**



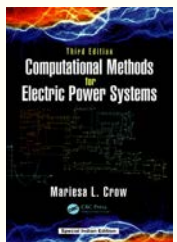
**Flexible AC Transmission Systems: Modelling and Control**

**Click NOW For More Info!**

**Xiao-Ping Zhang, Christian Rehtanz and Bikash Pal**

**Contents:** 1. FACTS-Devices and Applications, 2. Modeling of Multi-Functional Single Converter FACTS in Power Flow Analysis, 3. Modeling of Multi-Converter FACTS in Power Flow Analysis, 4. Modeling of FACTS-Devices in Optimal Power Flow Analysis, 5. Modeling of FACTS in Three-Phase Power Flow and Three-Phase OPF Analysis, 6. Steady State Power System Voltage Stability Analysis and Control with FACTS, 7. Steady State Voltage Stability of Unbalanced Three-Phase Power Systems, 8. Congestion Management and Loss Optimization with FACTS, 9. Non-intrusive System Control of FACTS, 10. Autonomous Systems for Emergency and Stability Control of FACTS, 11. Multi-agent Systems for Coordinated Control of FACTS-Devices, 12. Wide Area Control of FACTS, 13. Modeling of Power Systems for Small Signal Stability Analysis with FACTS, 14. Linear Control Design and Simulation of Power System Stability with FACTS, 15. Power System Stability Control Using FACTS with Multiple Operating Points, 16. Control of a Looping Device in a Distribution System, 17. Power Electronic Control for Wind Generation Systems.

**Rpt. 2015 | 9788132233329 | 578 pp | BSPSPR | PB | Rs. 1895.00**



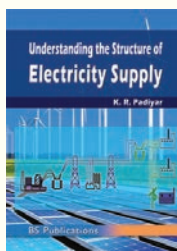
**Computational Methods for Electric Power Systems, 3rd Ed.**

**Click NOW For More Info!**

**Mariesa Crow**

**Contents:** 1. Introduction, 2. The Solution of Linear Systems, 3. Systems of Nonlinear Equations, 4. Sparse Matrix Solution Techniques, 5. Numerical Integration, 6. Optimization, 7. Eigen value Problems

**Rpt. 2018 | 9780815383659 | 346 pp | BSPT&F | PB | Rs. 1295.00**



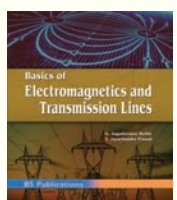
**Understanding the Structure of Electricity Supply**

**Click NOW For More Info!**

**K. R. Padiyar**

**Contents:** 1. Why Do Lights Go Out?, 2. Basics of Electrical Circuits, 3. Generators, Motors and Transformers, 4. Transmission and Distribution of Power, 5. Power system operation and Basic controls, 6. System Protection and Collapse, 7. Technological solutions and Smart Grid, 8. Renewable Power and Energy Storage, 9. Restructuring and Competition

**2014 | 176 pp | 9789383635054 | BSPBSP | PB | Rs. 250.00**



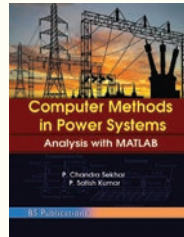
**Basics of Electromagnetics and Transmission Lines**

**Click NOW For More Info!**

**G. Jagadeeswar Reddy and T. Jayachandra Prasad**

**Contents:** 1. Static Electric Fields 2. Static Magnetic Fields 3. Maxwell's Equations for Time Varying Fields 4. EM Wave Characteristics 5. Transmission Lines

**2017 | 9789385433825 | 355 pp | BSPBSP | PB | Rs. 350.00**



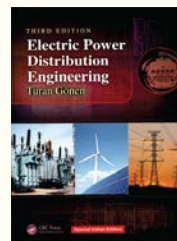
**Computer Methods in Power Systems Analysis with MATLAB**

**Click NOW For More Info!**

**P. Chandra Sekhar & P. Satish Kumar**

**Contents:** 1. Transmission Line Analysis 2. Per Unit Quantities 3. Graph Theory 4. Admittance Bus Matrix 5. Impedance Bus Matrix 6. Load Flow Analysis 7. Fault Analysis 8. Symmetrical Component 9. Unsymmetrical Fault Analysis 10. Symmetrical Fault Analysis 11. Power System Stability Analysis 12. Voltage Control and Power Factor Improvement Methods 13. MATLAB Programming

**Rpt. 2025 | 9789390211487 | 418 pp | BSPBSP | PB | Rs. 795.00**



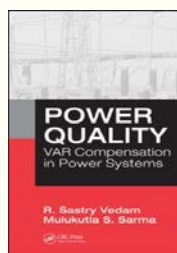
**Electric Power Distribution Engineering, 3rd Ed.**

**Click NOW For More Info!**

**Turan Gonen**

**Contents:** 1. Distribution System Planning and Automation 2. Load Characteristics 3. Application of Distribution Transformers 4. Design of Subtransmission Lines and Distribution Substations 5. Design Considerations of Primary Systems 6. Design Considerations of Secondary Systems 7. Voltage-Drop and Power-Loss Calculations 8. Application of Capacitors to Distribution Systems 9. Distribution System Voltage Regulation 10. Distribution System Protection 11. Distribution System Reliability 12. Electric Power Quality 13. Distributed Generation and Renewable Energy 14. Energy Storage Systems for Electric Power Utility Systems 15. Concept of Smart Grid and Its Applications

**Rpt. 2020 | 9781138198029 | 1038pp | BSPCRC | PB | Rs. 1995.00**



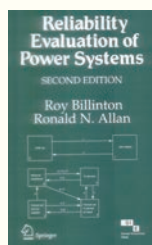
**Power Quality: VAR Compensation in Power Systems**

**Click NOW For More Info!**

**R. Sastry Vedam, Mulukutla S. Sarma**

**Contents:** 1. Power Quality, 2. Static Var Compensators, 3. Control of Static Var Compensators, 4. Harmonics, 5. Utility Harmonic Regulations and Standards, 6. Harmonic Filters, 7. Computational Tools and Programs for the design and Analysis of Static Var Compensators and Filters, 8. Monitoring Power Quality, 9. Reactors, 10. Capacitors, 11. Fast Fourier Transforms

**Rpt. 2017 | 9781138049291 | 283 pp | BSPT&F | PB | Rs. 995.00**



**Reliability Evaluation of Power Systems, 2nd Ed.**

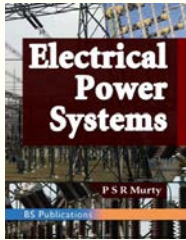
**Click NOW For More Info!**

**Roy Billinton, Ronald N. Allan**

**Rpt. 2015 | 9788181283214 | 614 pp | BSPSPR | PB | Rs. 1195.00**

Visit: [www.bspbooks.net](http://www.bspbooks.net) / [www.bspublications.net](http://www.bspublications.net) for latest updates

**POWER SYSTEMS**



**Electrical Power Systems**

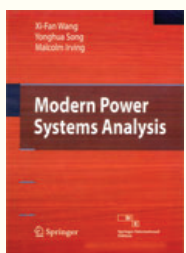
**P. S. R. MURTY**

**Click NOW**  
For More Info!

Co-Published with  
**Elsevier**

**Contents:** 1. Introduction 2. The Line Parameters 3. Mechanical Design 4. Insulators 5. Corona and Interference 6. Performance of Transmission Lines 7. Cables 8. Substations and Neutral Grounding 9. Distribution System 10. Over Voltages 11. Protection against Over Voltages 12. Graph Theory and Network Matrices 13. Short Circuit Analysis 14. Unbalanced Fault Analysis 15. Circuit Breakers 16. Relaying and Protection 17. Power System Stability 18. Load Flow Analysis 19. Economic Operation of Power Systems 20. Load Frequency Control 21. Voltage and Reactive Power Control

**Rpt. 2015 | 845 pp | 9789381075302 | BSPBSP | PB | Rs. 495.00**



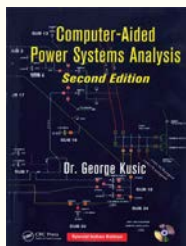
**Modern Power System Analysis**

**Wang, Song and Irving**

**Click NOW**  
For More Info!

**Contents:** 1. Mathematical Model and Solution of Electric Networks, 2. Load Flow Analysis, 3. Stochastic Security Analysis of Electrical Power Systems 4. Power Flow Analysis in Market Environment, 5. HVDC and FACTS, 6. Mathematical Model of Synchronous Generator and Load, 7. Power System Transient Stability Analysis, 8. Small-Signal Stability Analysis of Power Systems.

**Rpt. 2013 | 9788132211099 | 450 pp | BSPSPR | PB | Rs. 1395.00**



**Computer-Aided Power Systems Analysis, 2nd Ed. (With CD)**

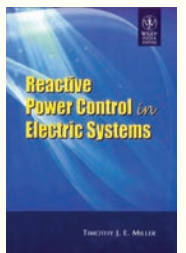
**George Kusic**

**AICTE Recommended**

**Click NOW**  
For More Info!

**Contents:** 1. Central Operation and Control of Power Systems 2. Elements of Transmission Networks 3. Bus Reference Frame 4. Network Fault and Contingency Calculations 5. Power Flow on Transmission Networks 6. Generator Base Power Setting 7. State Estimation from Real-Time Measurements **Appendix A:** Conductor Resistance and Rating

**Rpt. 2017 | 9781420061062 | 400 pp | BSPCRC | PB | Rs. 895.00**



**Reactive Power Control in Electric Systems**

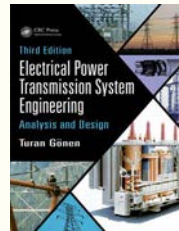
**Timothy J. E. Miller**

**AICTE Recommended**

**Click NOW**  
For More Info!

**Contents:** 1. The Theory of Load Compensation 2. The Theory of Steady-State Reactive Power Control in Electric Transmission Systems 3. Reactive Power Compensation and the Dynamic Performance of Transmission Systems 4. Principles of Static Compensators 5. Design of Thyristor Controllers 6. An Example of a Modern Static Compensator 7. Series Capacitors 8. Synchronous Condensers 9. Reactive Compensation and The Electric ARC Furnace 10. Harmonics 11. Reactive Power Coordination

**Rpt. 2015 | 9788126525201 | 381 pp | BSPJW | PB | \*Rs. 1995.00**



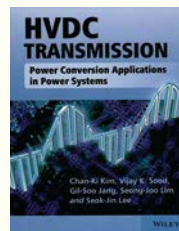
**Electric Power Transmission System Engineering: Analysis and Design, 3rd Ed.**

**Turan Gonen**

**Click NOW**  
For More Info!

**Contents:** Section I- 1. Transmission System Planning 2. Transmission Line Structures and Equipment 3. Fundamental Concepts 4. Overhead Power Transmission 5. Underground Power Transmission and Gas-Insulated Transmission Lines 6. Direct-Current Power Transmission 7. Transient Overvoltages and Insulation Coordination 8. Limiting Factors for Extra-High and Ultrahigh Voltage Transmission: Corona, Radio Noise, and Audible Noise 9. Symmetrical Components and Fault Analysis 10. Protective Equipment and Transmission System Protection 11. Transmission System reliability Section II 12. Construction of Overhead Lines 13. Sag Tension Analysis

**Rpt. 2018 | 9781138570993 | 1094 pp | BSPT&F | PB | Rs. 2295.00**



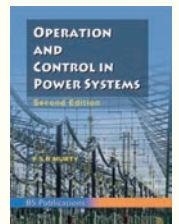
**HVDC Transmission Power Conversion Applications in Power Systems**

**Chan-Ki Kim, Vijay K. Sood and Gil-Soo Jang**

**Click NOW**  
For More Info!

**Contents:** 1. Development of HVDC Technology, 2. Power Conversion, 3. Harmonics of HVDC and Removal, 4. Control of HVDC Converter and System, 5. Interactions between AC and DC Systems, 6. Main Circuit Design, 7. Fault Behavior and Protection of HVDC System, 8. Insulation Coordination of HVDC, 9. A Practical Example of an HVDC System, 10. Other Converter Configurations for HVDC Transmission, 11. Modeling and Simulation of HVDC Systems, 12. Present and Proposed Future Installations of HVDC Systems, 13. Trends for HVDC Applications.

**Rpt. 2014 | 9788126548583 | 436 pp | BSPJW | PB | Rs. 1395.00**



**Operation and Control in Power Systems, 2nd Ed.**

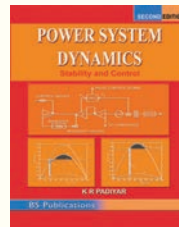
**P. S. R. Murty**

**Click NOW**  
For More Info!

Co-Published with  
**CRC Press | Taylor & Francis Group**

**Contents:** 1. Central Operation and Control of Power Systems 2. Elements of Transmission Networks 3. Bus Reference Frame 4. Network Fault and Contingency Calculations 5. Power Flow on Transmission Networks 6. Generator Base Power Setting 7. State Estimation from Real-Time Measurements **Appendix A:** Conductor Resistance and Rating

**Rpt. 2017 | 9781420061062 | 400 pp | BSPCRC | PB | Rs. 895.00**

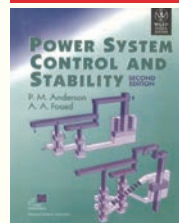


**Power System Dynamics: Stability & Control, 2nd Ed.**

**K. R. Padiyar**

**Click NOW**  
For More Info!

**Rpt. 2018 | 9788178000244 | 588 pp | BSPBSP | PB | Rs. 625.00**



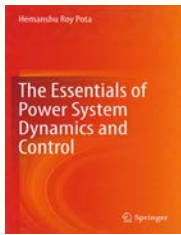
**Power System Control and Stability, 2nd Ed.**

**P. M. Anderson and A. A. Fouad**

**Click NOW**  
For More Info!

**Rpt. 2015 | 9788126518180 | 658 pp | BSPJW | PB | \*Rs. 1995.00**

**POWER SYSTEMS**



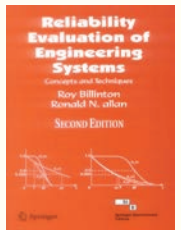
**The Essentials of Power System Dynamics and Control**

**Hemanshu Roy Pot**

**Contents:** 1. Introduction 2. Modelling Power System Devices 3. Linear Control 4. Design of the Automatic Voltage Regulator 5. Design of the Power System Stabiliser 6. Exercises

**Click NOW**  
For More Info!

**2019 | 9789811089138 | 236pp | BSPSPR | HB | • 79.99**



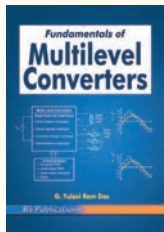
**Reliability Evaluation of Engineering Systems, Concepts and Techniques 2nd Ed.**

**Billinton and Ronald N. Allan**

**Rpt.2013 | 9788181285522 | 453 pp**  
**BSPSPR | PB | Rs. 1195.00**

**Click NOW**  
For More Info!

**POWER ELECTRONICS**



**Fundamentals of Multilevel Converters**

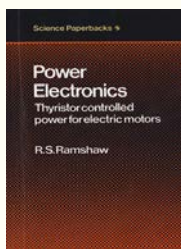
**G. Tulasi Ram Das**

**Contents:** 1. Introduction to Multilevel Inverters 2. Modulation Techniques for Multilevel Inverters 3. Diode-Clamped Multilevel Inverters 4. Flying-Capacitor Multilevel Inverters 5. Cascaded H-Bridge Inverters 6. Introduction to Hybrid Multilevel Inverters

**Click NOW**  
For More Info!

**NEW**

**2025 | 9789395038591 | 450pp | BSPBSP | PB | Rs. 795.00**



**Power Electronics Thyristor Controlled Power for Electric Motors**

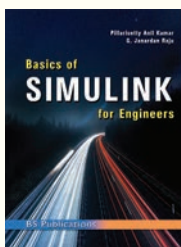
**R. S. Ramshaw**

**Contents:** 1. Power Electronics and Rotating Electric Drives 2. The Thyristor 3. Induction Motor Control 4. Direct Current Motor Control 5. Synchronous Motor Control

**Click NOW**  
For More Info!

**Rpt. 2019 | 9789402416763 | 234pp | BSPSPR | PB | Rs. 1295.00**

**SPICE / MATLAB / SIMULINK**



**Basics of SIMULINK for Engineers**

**Pillarisetty Anil Kumar and G. Janardan Raju**

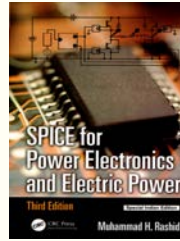
**Contents:** 1. Introduction to Simulink 2. Basic Mathematical Operations 3. Matrices 4. Algebraic Equations 5. Complex Numbers 6. Interpolation and Extrapolation of Data 7. Calculus 8. Plotting Signals 9. Solving Differential Equations

**NEW**

**Click NOW**  
For More Info!

**2024 | 9789395038034 | 138pp | BSPBSP | PB | Rs. 295.00**

**SPICE / MATLAB**



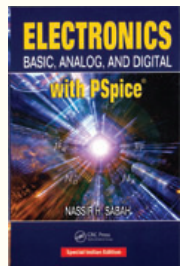
**Spice For Power Electronics and Electric Power, 2nd Ed. (With CD)**

**Muhammad H. Rashid and Hasan M. Rashid**

**Click NOW**  
For More Info!

**Contents:** 1. Introduction 2. Circuit Descriptions 3. Defining Output Variables 4. Voltage and Current Sources 5. Passive Elements 6. Dot Commands 7. Diode Rectifiers 8. DC-DC Converters 9. Pulse-Width-Modulated Inverters 10. Resonant-Pulse Inverters 11. Controlled Rectifiers 12. AC Voltage Controllers 13. Control Applications 14. Characteristics of Electrical Motors 15. Simulation Errors, Convergence Problems, and Other Difficulties Appendix A: Running PSpice on PCs

**Rpt. 2018 | 9780815383666 | 560 pp | BSPCRC | PB | Rs. 1095.00**



**Electronics: Basic, Analog and Digital with PSpice**

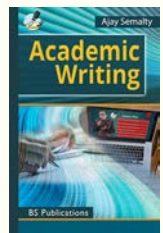
**Nassir H. Sabah**

**Contents:** 1. Basic Diode Circuits, 2. Basic Principles of Semiconductors, 3. PN Junction and Semiconductor Diodes, 4. Semiconductor Fabrication, 5. Field Effect Transistors, 6. Bipolar Junction Transistor, 7. Two-Port Circuits, Amplifiers, and Feedback, 8. Single-Stage Transistor Amplifiers, 9. Multistage and Feedback Amplifiers, 10. Differential and Operational Amplifiers, 11. Power Amplifiers and Switches, 12. Basic Elements of Digital Circuits, 13. Digital Logic Circuit Families

**Click NOW**  
For More Info!

**Rpt.2013 | 9781420087079 | 763 pp | PB | BSPT&F | Rs. 1295.00**

**GENERAL**



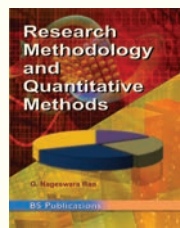
**Academic Writing**

**Ajay Semalty**

**Contents:** 1. Industrial Hygiene 2. Personal Hygiene 3. Chemical Hazards 4. Personal Protective Equipment 5. Housekeeping 6. Occupational Health 7. Occupational Health Hazard 8. Fundamentals of First Aid

**Click NOW**  
For More Info!

**2023 | 9789390211739 | 455 pp | BSPMP | PB | Rs. 995.00**



**Research Methodology and Quantitative Methods**

**G. Nageswara rao**

**Contents:** 1. Introduction, 2. Research Process, 3. Methods and Materials, 4. Sampling Methods, 5. Scale Construction Methods 6. Elementary Decision Theory, 7. Collection of Data, 8. Data Organization, 9. Measures of Central Tendency and Dispersion, 10. Tests of Hypotheses, 11. Chi-square Distribution, 12. Correlation and Regression, 13. Analysis of Variance 14. Time Series and Index Numbers, 15. Non-Parametric Tests, 16. Elementary Queuing Theory, 17. Multivariate Statistical Methods 18. Report Writing

**Click NOW**  
For More Info!

**Rpt. 2023 | 9789381075562 | 234 pp | BSPBSP | PB | Rs. 350.00**

Visit: [www.bspbooks.net](http://www.bspbooks.net) / [www.bspublications.net](http://www.bspublications.net) for latest updates

## GENERAL



## Fundamentals of Intellectual Property for Engineers

[Click NOW For More Info!](#)
**Kompal Bansal and Parikshit Bansal**

**Contents:** 1. Intellectual Property Rights and their usefulness for Engineers, 2. Intellectual Property vs. Physical or conventional Property, 3. Usefulness of Patents for Engineers, 4. Practical aspects of filing a Patent in India and Abroad, 5. Copyright and its usefulness in Engineering, 6. Practical aspects of Copyright Registration and Transfer, 7. Industrial Design Registration and its usefulness in Engineering, 8. Practical aspects of Industrial Design Registration in India and Abroad, 9. Trade Secrets-Importance for Engineers, 10. Trademarks- Importance in Engineering, 11. Trademarks- Importance in Engineering, 12. Legislations and Policy, 13. Digital Innovations and Developments as Knowledge Assets, 14. IP Laws, Cyberlaws and Digital Content Protection, 15. Practical Assignments

Rpt.2020 | 9788178002774 | 492 pp | BSPBSP | PB | Rs. 450.00

## COMING SOON

## Solar Energy

**S. C. Bhargava**

**Contents:** 1. Introduction: What is solar energy 2. Direct Solar Energy 3. Indirect Solar Energy: Electricity from the Sun 4. Solar Electricity on Rooftop 5. Government Initiatives 6. Unique Cases of Solar Energy Harnessing 7. Solar Energy and Health Care 8. Frequently Asked Questions [FAQs]

2025 | 9789348734211 | 246 pp | BSPBSP | PB | Rs. 450.00

## HVDC Transmission (A Book Based on the Author's Lecture Notes)

**S. C. Bhargava**

**Contents:** 1. General Considerations 2. Static Power Converters 3. Harmonics in HVDC Transmission 4. Control of HVDC Converters 5. Interaction Between HV AC and DC Systems 6. Multi-channel DC Links and Systems 7. Transient Over Voltages in HVDC Systems 8. Converter Faults and Protection in HVDC Systems

2025 | 9789395038713 | 292 pp | BSPBSP | PB | Rs. 495.00

## Fundamentals of Smart Grid Systems

**Abdul Gafoor Shaik**

**Contents:** 1.0 Smart Grid Basics 2.0 Energy Resources 3.0 Storage systems 4.0 Plug-in Electric Vehicle 5.0 Demand-side management 6.0 Monitoring 7.0 Protection in smart grid 8.0 Power Electronics in smart grid

2025 | 9789395038165 | 300 pp | BSPBSP | PB | TBA

## ORDER / RECOMMENDATION FORM

ISBN	Author	Title	Price Rs.	Qty
9780824704025	Abdel Salam	High-Voltage Engineering: Theory and Practice, 2nd Ed.	PB 1195.00	
9788126518180	Anderson	Power System Control and Stability, 2nd Ed.	PB * 1995.00	
9789381075890	Anjaneyulu Y.	Energy Resources, Utilization and Technologies	PB 750.00	
9780852969410	Arrillaga	High Voltage Direct Current Transmission, 2nd Ed.	HB 1895.00	
9789395038270	Babu Ramesh	Basics of Electricla Energy for Engineers	PB 350.00	
9788126518562	Balanis	Advanced Engineering Electromagnetics	PB 1695.00	
9783319939872	Baliga Jayant B.	Fundamentals of Power Semiconductor Devices	HB € 129.99	
9788178002774	Bansal Kompal	Fundamentals of Intellectual Property for Engineers	PB 450.00	
	Bhargava S. C.	Solar Energy	PB TBA	
	Bhargava S. C.	HVDC Transmission (A Book Based on the Author's Lecture Nores)	PB TBA	
9789381075722	Bhargava S. C.	Electrical Measuring Instruments and Measurements	PB 850.00	
9789352301713	Bhargava S. C.	Finite Element Analyses of Eddy Current Effects in Turbogenerators	HB 4995.00	

## ORDER / RECOMMENDATION FORM

ISBN	Author	Title	Price Rs.	Qty
9789389354034	Bhargava S. C.	The Hystersis Machines	PB 2495.00	
9789390211265	Bhargava S. C.	Household Electricity and Appliances	PB 795.00	
9788181283214	Billinton et. al	Reliability Evaluation of Power Systems, 2nd Ed.	PB 1195.00	
9788181285522	Billinton et. al	Reliability Evaluation of Engineering Systems, 2nd Ed.	PB 1195.00	
9781849198288	Biswarup Das	Power Distribution Automation	HB 3995.00	
9789381075920	Braun	Introduction to Instrumental Analysis, 2nd Ed.	PB * 1195.00	
9788131724408	Chan & Mourad	Digital Design using Field Programmable Gate Arrays	PB 695.00	
9788126548583	Chan-Ki- Kim et. al	HVDC Transmission Power Conversation Applications in Power Systems	PB 1395.00	
9789352301584	Chengaiiah Ch. et. al	Control Systems : A Comprehensive Lab Manual	PB 150.00	
9780849370359	Christopoulos	Principles and Techniques of Electromagnetic Compatility, 2nd Ed.	PB 1095.00	
9780815383659	Crow	Computational Methods for Electric Power Systems 3rd Ed.	PB 1295.00	
9788126522569	Dewan et. al	Power Semiconductor Drives	PB 1295.00	
9780849315862	Dorf Richard C.	The Engineering Handbook, 2nd Ed.,	HB 6000.00	
97893950382904	Dwivedi Bharti	ElectroMechanical Energy Conversion-I	PB 350.00	
9788126525805	Gabriel M. Rebeiz	RF MEMS: Theory, Design and Technology	PB 1395.00	
9781032792866	Gellings Clark W.	The Smart Grid: Enabling Energy Efficiency and Demand Response	HB 2495.00	
9781138198029	Gonen Turan	Electric Power Distribution Engineering, 3rd Ed.	PB 1995.00	
9781482232226	Gonen Turan	Electric Power Transmission System Engineering: Analysis and Design, 3rd Ed.	HB 2295.00	
9789381269398	Hindmarsh et. al	Electrical Machines and Drive Systems, 3rd Ed.	PB 995.00	
9788181282736	Ida	Engineering Electromagnetics, 2nd Ed.	PB 1495.00	
9789381075425	Jagan N. C.	Control Systems, 3rd Ed.	PB 525.00	
9789383635146	Jagan N. C.	Network Analysis, 3rd Ed.	PB * 1295.00	
9780486324326	Kirk Donald E.	Optimal Control Theory An Introduction	PB 995.00	
9789395038034	Kumar Anil	Basics of SIMULINK for Engineers	PB 295.00	
9781420061062	Kusic	Computer-Aided Power Systems Analysis	PB 895.00	
9780852969410	Küchler	High Voltage Engineering Fundamentals - Technology - Applications	HB € 109.99	
9780801983979	Liptak	Analytical Instrumentation	PB 1795.00	
9780849312625	Lyshevski	Mems and Nems: Systems, Devices, and Structures	PB 1095.00	
9788126525201	Miller	Reactive Power Control in Electric Systems	PB * 1595.00	
9788131207383	Murphy et. al	Energy Management	PB * 1195.00	
9788178001456	Murthy Vishnu	Computer Aided Design of Electrical Machines	PB 350.00	
9788178002002	Murty P. S. R.	Operation and Control in Power System	PB 595.00	
9789386819932	Murty P. S. R.	Power System Analysis, 3rd Ed.	PB 695.00	
9789381075302	Murty P. S. R.	Electrical Power Systems	PB 495.00	
9789381075401	Naga Bhaskar et. al	Neural Networks and Fuzzy Logic	PB * 495.00	

## ORDER / RECOMMENDATION FORM

ISBN	Author	Title	Price Rs.	Qty
9789389974942	Naik KB	Electric Drives: Operation, Control and Applications	PB TBA	
978817800244	Padiyar K. R.	Power System Dynamics : Stability & Control : 2nd Ed.	PB 625.00	
9789383635054	Padiyar K. R.	Understanding the structure of Electricity Supply	PB 250.00	
9789811089138	Pot Roy Hemanshu	The Essentials of Power System Dynamics and Control	HB * € 79.99	
9789402416763	Ramshaw R. S.	Power Electronics Thyristor Controlled Power for Electric Motors	Pb 1295.00	
9788178001241	Rao Koteswara	Energy Resources: Conventional & Non-Conventional, 2nd Ed.	HB 550.00	
9789381075562	Rao Nageswara	Research Methodology and Quantitative Methods	PB 350.00	
9789383635887	Rao P. Venkateswara	Power Semiconductor Drives	PB 450.00	
9780815383666	Rashid. H.	Spice for Power Electronics and Electric Power	PB 1095.00	
9789385433825	Reddy Jagadeeswar et. al	Basics of Eletromagnetics on Transmission Lines	PB 350.00	
9789381075913	Reddy P. Jayarama	Science and Technology of Photovoltaics, 2nd Ed.	PB 695.00	
9789395038065	Reddy P. Jayarama	Principles of Energy Storage Systems	PB 695.00	
9781032791906	Rigatos G.	Intelligent Control for Electric Power Systems and Electric Vehicles	HB £ 150.00	
9781032864518	Rigatos G.	Fault Diagnosis for Electric Power Systems and Electric Vehicles	HB £ 84.99	
9780849301469	Rowe D. M.	CRC Handbook of Thermoelectrics	HB 6000.00	
9781420087079	Sabah	Ellectronics: Basic, Analog and Digital with Pspice	PB 1295.00	
9781849199445	Sallam A. Abdelhay et.al	Power System Stability: Modelling, Analysis & Control	HB 3695.00	
9789390211548	Sarkar Dipu	Computational Techniques for Power System Analysis	PB 395.00	
9781574446746	Schwartz et.al	Handbook of Semiconductor Interconnection Technology, 2nd Ed.	HB 6000.00	
	Shaik Abdul Gafoor	Fundamentals of Smart Grid Systems	PB TBA	
9789390211487	Sekhar Chandra	Computer Methods in Power Systems Analysis with MATLAB	PB 795.00	
9789390211739	Semalty Ajay	Academic Writing	PB 995.00	
9788126548378	Sharma Ashok K.	Semiconductor Memories Technology, Testing and Reliability	PB 1295.00	
9781447174301	Simona Onori	Hybrid Electric Vehicles Energy Management Strategies	PB * 1295.00	
9788132211051	Sivanandam et.al	Introduction to Genetic Algorithms	PB 1295.00	
9789352301928	Srinivas G. N. et al.	Electrical and Electronic Measurements	PB 495.00	
9788178002781	Subramanyam	Basic Concepts of Electrical Engineering, 2nd Ed.	PB 695.00	
9789381075470	Subramanyam et.al	Basic Electrical and Electronics Engineering	PB 350.00	
9789352301478	Subramanyam & Lal Kishore	Basic Concepts of Electrical and Electronics Engineering	PB 350.00	
9780849334245	Svetlana	Decision Diagram Techniques for Micro- and Nanoelectronic Design Handbook	HB 4000.00	
978103269252	Twidell & Weir	Renewable Energy Resources, 4th Ed.	PB 1495.00	
9781138049291	Vedam et.al	Power Quality: VAR Compensation in Power Systems	PB 995.00	
9788132211099	Wang et.al	Modern Power System Analysis	PB 1395.00	
9781493991914	Warrington C. AR Van	Protective Relays their Theory & Practice Volume - I, 3rd Ed.	PB 1995.00	

**ORDER / RECOMMENDATION FORM**

ISBN	Author	Title	Price Rs.	Qty
9789402416770	Warrington C. AR Van	Protective Relays their Theory & Practice Volume - II, 3rd Ed.	PB 1995.00	
9788132233329	Zhang et.al	Flexible AC Transmission Systems: Modelling and Control	PB 1895.00	

Order / Recommended by \_\_\_\_\_ Department \_\_\_\_\_

College Stamp \_\_\_\_\_

Date: \_\_\_\_\_

**Invitation to Authors**

**BSP** BS Publications™ (An Imprint of BSP Books Pvt. Ltd.)

Invites manuscripts from prospective authors to write books in the area of New emerging topics in Engineering and Technology, Earth & Environmental Sciences, Agriculture & Allied Sciences, Physical & Life Sciences, Social Sciences & Humanities and other interdisciplinary subject areas.

Authors may write to us with their background, brief description about the book with tentative table of contents synopsis and time frame for completion of the book by e-mail to [nikunjesh.shah@bspbooks.net](mailto:nikunjesh.shah@bspbooks.net)

**Contact Our Nearest Representative for Assistance**

**EAST ZONE**

**KRISHNA PATRO**

Sales Executive

(M) 09861760260

[orissa@bspbooks.net](mailto:orissa@bspbooks.net)

[westbengal@bspbooks.net](mailto:westbengal@bspbooks.net)

**WEST ZONE**

**SUDARSHAN.  
S. HIREKERUR**

Sales Executive

(M) 9177020702

(M) 7276725646

[marketing@bspbooks.net](mailto:marketing@bspbooks.net)

[maharashtra@bspbooks.net](mailto:maharashtra@bspbooks.net)

**NORTH ZONE**

**AVADESH KUMAR TIWARI**

Territory Sales Manager

(M) 09415810938

[up@bspbooks.net](mailto:up@bspbooks.net)

[uttarakhand@bspbooks.net](mailto:uttarakhand@bspbooks.net)

[punjab@bspbooks.net](mailto:punjab@bspbooks.net)

**MUKESH MISHRA**

Sales Executive

(M) 08447903557

[delhi@bspbooks.net](mailto:delhi@bspbooks.net)

**SOUTH ZONE**

**M. KUMARESAN**

Senior Sales Executive

(M) 09003235204

[south@bspbooks.net](mailto:south@bspbooks.net)

**Please send your orders / enquiries**



**BSP Books Pvt. Ltd.**

Imprints

**BSP** BS Publications™  PharmaMed Press

4-4-309 & 316, Giriraj Lane, Sultan Bazar,  
Koti, Hyderabad - 500 095.

✉ [info@bspbooks.net](mailto:info@bspbooks.net) ☎ 040-23445688

[www.bspbooks.net](http://www.bspbooks.net)

**Head Office**

**NIKUNJESH A. SHAH**  
Channel Manager - Marketing and Sales  
08374105220  
[nikunjesh.shah@bspbooks.net](mailto:nikunjesh.shah@bspbooks.net)



Student friendly books written as per PCI syllabus by distinguished authors

Digital Products Offering



Buy our eBooks on our App "BSP Books" 

GET IT ON Google Play

To Download App Scan QR Code



Purchase books online on our official website



[www.booksonweb.in](http://www.booksonweb.in)



Visit: [www.bspbooks.net](http://www.bspbooks.net) / [www.bspublications.net](http://www.bspublications.net) for latest updates