



INDUSTRIAL SYSTEMS TECHNOLOGY

Resource List

October 2008

INDUSTRIAL SYSTEMS TECHNOLOGY
CGTC Library Resources
October 2008

Print Books:

AC/DC Principles / P. Shultz.
TK 7816 .S458 2007

Accident/Incident Prevention Techniques / C. Reese.
T 55 .R433 2001

Accident Prevention Manual for Business & Industry : Engineering and Technology /
T 55 .A333 2001

Alternating Current Fundamentals / S. Herman.
TK 1141 .D83 2007

Applied Physics / D. Ewen.
QC 23.2 .E88 2009

Basic Electricity / V. Valkenburgh.
QC 523 .V33 1992

Basic Industrial Electricity : A Training and Maintenance Manual / K. Oliver.
TK 146 .O395 1990

Basic Mechanics with Engineering Applications / J. Fawcett.
TA 350 .F73 1988

Basic Physics : A Self-Teaching Guide / K. Kuhn.
QC 23 .K74 1996

Basic Pneumatics : An Introduction to Industrial Compressed Air Systems and
Components / J. Hooper.
TJ 950 .H66 2003

Building Automation : Control Devices and Applications / NJATC.
TH 6010 .B45 2008

Classical Mechanics / T. Kibble.
QA 805 .K5 2004

Classical Mechanics / J. Taylor.
QC 125.2 .T39 2005

Code Check Building : A Field Guide to the Building Codes / M. Casey.
TH 439 .C37 2003

Conduit Bending and Fabrication / NJATC.
TK 3261 .C53 2007

Control Systems / W. Bolton.
TJ 213 .B59537 2002

Control Systems Technology / L. Fenical.
TJ 217 .F46 2007

Cost Planning and Estimating for Facilities Maintenance / R.S. Means.
TH 3361 .C67 1996

Delmar's Standard Textbook of Electricity / S. Herman.
QC 522 .H47 2004

Documenting Quality for ISO 9000 and Other Industry Standards / G. MacLean.
TS 156 .M275 1993

Electric Machinery Fundamentals / S. Chapman.
TK 2000 .C46 2005

Electric Motor Control / W. Alerich.
TK 2851 .A48 2007

Electric Motor Drive : Installation and Troubleshooting / G. Mazur.
TK 2851 .M39 2008

Electric Motors and Motor Controls / J. Keljik.
TK 2851 .K444 2007

Electrical Motor Control Systems : Electronic and Digital Controls : Fundamentals and Applications / D. Patrick.
TK 2851 .P324 2000

Electrical Motor Controls / G. Rockis.
TK 2851 .R63 2009

Electrical Principles and Practices / G. Mazur.
TK 146 .M39 2007

Electrical Safety Handbook / J. Cadick.
TK 152 .C22 2000

Electrical Wiring Industrial / R. Smith.
TK 3283 .S63 2008

Electrician's Technical Reference : Motor Controls / D. Carpenter.
TK 2511 .C36 2000

Electricity / H. Gerrish.
QC 523 .G44 2004

Electricity 1, 2, 3, & 4 / T. Kubala.
TK 146 .K8 2009 v.1-4

Electricity and Electronics / H. Gerrish.
TK 146 .G44 2009

Electricity and Electronics for Industrial Maintenance / T. Kissell.
TK 454 .K52 2005

Electricity, Electronics, and Control Systems for HVAC / T. Kissell.
TK 4035 .A35 K568 2003

Electricity for the Trades / F. Petruzella.
TK 146 .P4437 2006

Electricity : Principles & Applications / R. Fowler.
QC 523 .F75 2008

Engineering Graphics / F. Gieseck.
T 353 .E62 2000

Engineering Mechanics : Dynamics / W. Riley.
TA 352 .R55 1993

Facilities Maintenance & Repair Cost Data / R.S. Means.
TH 3301 .M35 2008

Facilities Maintenance Management / G. Magee.
TH 3361 .M33 1988

The Facilities Manager's Reference / H. Kaiser.
HD 1394 .K34 1989

Facility Management Systems / J. Hamer.
TS 177 .H36 1988

Facility Manager's Maintenance Handbook / R. Payant.
TS 192 .F35 2007

Facility Manager's Operation and Maintenance Handbook / B. Lewis.
TS 155 .L3678 1999

Fan Handbook : Selection, Application and Design / F. Bleier.
TJ 960 .B58 1998

Fluid Mechanics / J. Douglas.
TA 357 .D68 2005

Fluid Mechanics for Technicians / G. Kraut.
TA 357 .K73 1992

Fundamentals of Industrial Instrumentation and Process Control / W. Dunn.
TA 165 .D86 2005

Fundamentals of Instrumentation / NJATC.
T 50 .S73 2008

Fundamentals of Instrumentation and Measurement / D. Placko.
T 50 .M394 2007

Fundamentals of Modern Manufacturing : Materials, Processes, and Systems /
TS 183 .G78 2007

Fundamentals of Physics / D. Halliday.
QC 21.2 .H35 2005

Fundamentals of Programmable Logic Controllers, Sensors, and Communications /
TJ 223 .P76 S74 1999

Grob's Basic Electronics : Fundamentals of DC and AC Circuits / M. Schultz.
TK 7816 .S356 2007

Handbook of Dimensional Measurement / M. Curtis.
T 50 .F36 2007

Handbook of Industrial and Systems Engineering / A. Badiru.
T 56.23 .H35 2006

High Pressure Boilers / F. Steingress.
TJ 286 .S725 2003

How Things Work : The Physics of Everyday Life / L. Bloomfield.
QC 21.3 .B56 2006

How to Test Almost Everything Electronic / D. Horn.
TK 7878 .H67 1993

Hydraulics and Pneumatics : A Technician's and Engineer's Guide / A. Parr.
TJ 840 .P27 2000

Industrial Control Electronics : Devices, Systems, and Applications / T. Bartelt.
TK 7881 .B37 2002

Industrial Control Handbook / E. Parr.
TS 156.8 .P24 1998

Industrial Control Wiring Guide / R. Mercer.
TK 3283 M47 2001

Industrial Electrical Troubleshooting / L. Lundquist.
TK 2000 .L86 2000

Industrial Electrical Wiring / R. Smith.
TK 3283 .S63 2008

Industrial Electricity / M. Brumbach.
TK 146 .B83 2005

Industrial Electricity and Motor Controls / R. Miller.
TK 2000 .M54 2008

Industrial Electronics : Applications for Programmable Controllers, Instrumentation and Process Control, and Electrical Machines and Motor Controls / T. Kissell.
TK 7881 .K58 2003

Industrial Electronics : Devices and Systems / D. Patrick.
TK 7881 .P38 2000

Industrial Instrumentation / A. Sutko.
TK 7881 .F38 1996

Industrial Machinery Repair : Best Maintenance Practices / R. Smith.
TJ 153 .S6355 2003

Industrial Maintenance / D. Green.
TS 192 .G75 2006

Industrial Maintenance Electrical and Instrumentation Technician 1 / C. Sly.
TS 192 .I54 2007

Industrial Materials / L. Hesel.
TA 404.8 .H45 2008

Industrial Mechanics / A. Kemp.
TS 191 .K56 2008

Industrial Mechanics and Maintenance / L. Chastain.
TS 191 .C45 2009

Industrial Power Systems / S. Khan.
TK 1005 .K495 2008

Industrial Robotics / A. Glaser.
TS 191.8 .G53 2009

Industrial Safety and Health Management / C. Asfahl.
T 55 .A83 2003

Instrumentation / F. Kirk.
TA 165 .K5 2005

Instrumentation for Process Measurement and Control / N. Anderson.
TS 156.8 .A53 1998

Instrumentation, Measurements, and Experiments in Fluids / E. Rathakrishnan.
TA 357 .R345 2007

Instruments and Measurements / C. Gilmore.
TK 7878.4 .G55

Intelligent Control Systems : Theory and Applications / M. Gupta.
TJ 217.5 .I543 1996

Introduction to Industrial Electrical Maintenance / R. Barnett.
TK 454 .B35 2000

Introduction to Instrumentation and Measurement / R. Northrop.
TK 7870 .N66 2005

Introduction to Instrumentation, Sensors, and Process Control / W. Dunn.
TS 156.8 .D86 2005

Introduction to PLCs / J. Hooper.
TJ 223 .P76 H66 2006

Introduction to Programmable Logic Controllers / G. Dunning.
TJ 223.3 .P76 D86 2002

Introduction to Statistical Quality Control / D. Montgomery.
TS 156 .M64 2001

Introductory DC/AC Circuits / N. Cook.
TK 7816 .C65 2005

Introductory Electronic Devices and Circuits / R. Paynter.
TK 7871.85 .P39 1997

ISO 9000 Quality Systems Handbook / D. Hoyle.
TS 156 .H692 2006

ISO 9000 : The Year 2000 and Beyond / P. Johnson.
TS 156 .J656 2000

Know and Understand Centrifugal Pumps / L. Bachus.
TJ 919 .B33 2003

Low Pressure Boilers / F. Steingrass.
TJ 286 .S73 2005

Lubrication and Reliability Handbook / M. Neale.
TJ 1075 .L812 2001

Machinery's Handbook / Industrial Press.
Ref TJ 158 .O23 2008

Maintenance Benchmarking and Best Practices / R. Peters.
TS 192 .P47 2006

Maintenance Engineering Handbook / R. Mobley.
TS 192 .M335 2008

Maintenance Fundamentals / R. Mobley.
TS 192 .M6245 2000

Maintenance Planning and Scheduling Handbook / D. Palmer.
TS 176 .P33 2006

Manufacturing Processes / B. Duvall.
TS 183 .D88 2008

Marks' Standard Handbook for Mechanical Engineers.
TJ 151 .S82 2007

Materials and Processes in Manufacturing / E. DeGarmo.
TS 183 .M382 2003

Materials Handbook : An Encyclopedia / G. Brady.
TA 402 .B73 2002

Maynard's Industrial Engineering Handbook / K. Zandin.
T 56 .M39 2001

Means Estimating Handbook / R.S. Means.
TH 435 .M42 2003

Means Facilities Maintenance Standards / R. Liska.
TH 3301 .L57 1988

Measurement and Control Basics / T. Hughes.
TS 156.8 .H78 2002

Measurement and Instrumentation Principles / A. Morris.
TA 165 .M637 2001

Measurement and Instrumentation : Trends and Applications / M. Ghosh.
T 50 .M43 2008

The Measurement, Instrumentation, and Sensors Handbook / J. Webster.
QC 39 .M393 1999

Mechanical and Electrical Systems in Buildings / R. Jani.
TH 6010 .T36 2009

Mechanical Engineering Principles / J. Bird.
TJ 159 .B49 2002

Mechanical Principles and Systems for Industrial Maintenance / J. Stenerson.
TJ 1051 .K66 2006

Mechanical Systems for Industrial Maintenance / R. Kibbe.
TS 191 .K52 2002

Mechanics of Materials / R. Hibbeler.
TA 405 .H47 2008

Mechanisms and Mechanical Devices Sourcebook / N. Sclater.
TJ 181 .S28 2007

Millwright's Guide to Motor/Pump Alignment / T. Harlon.
TJ 177.5 .H37 2008

Modern Control Systems : An Introduction / S. Tripathi.
TJ 213 .T66 2008

Modern Control Technology : Components and Systems / C. Kilian.
TJ 213 .K516 2000

Motor Control Technology for Industrial Maintenance / T. Kissell.
TK 2851 .T54 2002

Modern Materials and Manufacturing Processes / R. Bruce.
TS 183 .M617 2004

National Electrical Code : 2008 / NFPA.
Ref TK 260 .N45 2008

National Electrical Code Handbook : 2008 / NFPA.
Ref TK 260 .N47 2008

Newnes Industrial Control Wiring Guide / R. Mercer.
TK 3283 M47 2001

Occupational Safety and Health for Technologists, Engineers, and Managers / Goetsch.
T 55 .G586 2008

100 Years in Maintenance and Reliability : Practical Lessons from Three Lifetimes /
TS 192 .N353 2008

Operations Management for Competitive Advantage / R. Chase.
TS 155 .C4237 2001

Physics for Dummies / S. Holzner.
QC 23.2 .H65 2006

Physics In Action / D. Haase, series editor.
QC 21.2 .P49 2007 v.1-5

Physics Made Simple / C. De Pree
QC 23.2 .D4 2004

Pipe Welding Procedures / H. Rampaul.
TS 280 .R27 2003

Practical Electrical Wiring : Residential, Farm, Commercial, and Industrial Residential /
TK 3271 .R48 2008

Practical Lubrication for Industrial Facilities / H. Bloch.
TJ 1075 .B57 2000

Practical Metallurgy and Materials of Industry / J. Neely.
TN 665 .N3 1984

Practical Troubleshooting of Electrical Equipment and Control Circuits / M. Brown.
TK 3226 .B764 2005

Preventive Maintenance / T. Wireman.
TS 192 .W57 2008

Print Reading for Industry / W. Brown.
T 379 .B764 2001

Process Control Instrumentation Technology / C. Johnson.
TS 156.8 .J63 2006

Process/Industrial Instruments and Controls Handbook / G. MacMillan.
TS 156.8 .P764 1999

Processes of Manufacturing / R. Wright.
TS 183 .W745 2004

Programmable Controllers : An Engineer's Guide / E.A. Parr.
TJ 223 .P76 P37 1993

Programmable Logic Controllers / W. Bolton.
TJ 223 .P76 B65 2006

Programmable Logic Controllers / F. Petruzella.
TJ 223 .P76 P48 2005

Programmable Logic Controllers / J. Rehg.
TJ 223 .P76 R44 2007

Programmable Logic Controllers / C. Simpson.
TJ 223 .P76 S57 1994

Programmable Logic Controllers : Hardware and Programming / M. Rabiee.
TJ 223 .P76 R34 2002

Programmable Logic Controllers : Principles and Applications / J. Webb.
TJ 223 .P76 W43 2003

Programmable Logic Controllers : Programming Methods and Applications / Hackworth.
TJ 223 .P76 .H33 2004

Programmable Logic Handbook / G. Bostock.
TK 7872 .L64 B675 1993

Project Management : A Systems Approach to Planning, Scheduling, and Controlling /
HD 69.P75 K47 1992

Pump Handbook / I. Karassik.
TJ 900 .P79 2008

Quality Control / D. Besterfield.
TS 156 .B47 2004

Roark's Formulas for Stress and Strain / W. Young.
TA 407.2 .R6 2002

Schaum's 2500 Solved Problems in Fluid Mechanics and Hydraulics / J. Evett.
TA 357.3 .E84 1989

Schaum's Outline of Basic Electricity / M. Gussow.
TK 146 .G974 2007

Schaum's Outline of Theory and Problems of Basic Mathematics for Electricity and
Electronics / A. Beiser.
TK 153 .B39 1993

Schaum's Outline of Theory and Problems of College Physics / F. Bueche.
QC 21.3 .B84 2006

Sensors and Circuits : Sensors, Transducers, and Supporting Circuits for Electronic Instrumentation, Measurement and Control / J. Carr.

TK 7872 .T6 C375 1993

Solid State Electronic Devices / B. Streetman.

TK 7871.85 .S77 2006

Statistical Process Control : The Deming Paradigm and Beyond / J. Thompson.

TS 156.8 .T55 2002

Statistical Quality Control / M. Chandra.

TS 156 .C4245 2001

Steam Plant Operation / E. Woodruff.

TJ 405 .W6 2005

Structures / D. Schodek.

TA 645 .S37 2004

Successful Technical Writing : Documentation for Business and Industry / B. Brown.

T 11 .B72 1993

Technical Communications / M. Markel.

T 11 .M346 2007

Technical Physics / E. Selleck.

QC 23 .S445 1991

Technical Writing Basics / B. Holloway.

PE 1475 .H65 2008

Technician's Guide to Programmable Controllers / R. Cox.

TJ 223 .P76 C69 2007

The Total Workplace : Facilities Management and the Elastic Organization / F. Becker.

TS 177 .B43 1990

Understanding Basic Mechanics / F. Reif.

TA 350 .R42 1995

Uptime : Strategies for Excellence in Maintenance Management / J. Campbell.

TS 192 .C36 2006

INDUSTRIAL SYSTEMS TECHNOLOGY
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Print Periodical Subscriptions:

Cabling Installation & Maintenance

ISSN 1073-3108

Control Engineering

ISSN 0010-8049

EC&M : Electrical Construction & Maintenance

ISSN 1082-295X

IE : Industrial Engineer

ISSN 1542-894X

Industry Week

ISSN 0039-0895

InTech

ISSN 0192-303X

Machine Design

ISSN 0024-9114

Maintenance Technology

ISSN 0899-5729

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Online Periodical Subscriptions via [GALILEO](#):

| <u>Journal Title</u> | <u>GALILEO Database</u> |
|---|---|
| <u>Automation and Remote Control</u> ISSN 0005-1179 | EBSCOhost Academic Search Complete |
| <u>Cabling Installation & Maintenance</u> ISSN 1073-3108 | EBSCOhost MasterFILE Premier |
| <u>Circuits Assembly</u> ISSN 1054-0407 | EBSCOhost Business Source Complete |
| <u>Computing & Control Engineering Journal</u> ISSN 0956-3385 | EBSCOhost Science & Technology Coll. |
| <u>Control & Instrumentation</u> ISSN 0010-8022 | LexisNexis Academic |
| <u>Control Engineering</u> ISSN 0010-8049 | EBSCOhost Academic Search Complete |
| <u>Control Magazine</u> ISSN 0069-973X | Free E-Journals www.controlglobal.com/issues/current.html |
| <u>Electrical Construction and Maintenance</u> ISSN 0013-4260 | EBSCOhost Advanced Placement Source |
| <u>Engineered Systems</u> ISSN 0891-9976 | EBSCOhost Science & Technology Coll. |
| <u>Flow Control</u> ISSN 1081-7107 | EBSCOhost Business Source Complete |
| <u>Industrial Engineer</u> ISSN 1350-2409 | EBSCOhost Academic Search Complete ProQuest ABI Inform Complete |
| <u>Industrial Maintenance & Plant Operation</u> ISSN 1099-4785 | EBSCOhost Business Source Complete |

Industrial Management

ISSN 0019-8471

EBSCOhost Business Source Complete

Industrial Safety & Hygiene News

ISSN 8755-2566

EBSCOhost Business Source Complete

Industry Week

ISSN 0039-0895

EBSCOhost Academic Search Complete
ProQuest ABI Inform Complete

Instrumentation & Automation News

ISSN 1072-2742

EBSCOhost Advanced Placement Source

Journal of Industrial Technology

ISSN 0882-6404

[DOAJ Directory of Open Access Journals
http://www.nait.org/jit/jit.html](http://www.nait.org/jit/jit.html)

Machine Design

ISSN 0024-9114

EBSCOhost Academic Search Complete
ProQuest ABI Inform Complete

Maintenance Management

ISSN 1080-188X

EBSCOhost Business Source Complete

Penton's Controls & Systems

ISSN 1061-0235

ProQuest Research Library

Process Control and Quality

ISSN 0924-3089

EBSCOhost Advanced Placement Source

Process & Control Engineering

ISSN 0816-8148

LexisNexis Academic

Production Planning & Control

ISSN 0953-7287

EBSCOhost Business Source Complete

Review of Industrial Organization

ISSN 0889-938X

EBSCOhost Business Source Complete

Solid State Technology

ISSN 0038-111X

EBSCOhost MasterFILE Premier

INDUSTRIAL SYSTEMS TECHNOLOGY
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Electronic Books (eBooks) via [NetLibrary](#):

Analog and Digital Circuits for Electronic Control System Applications / G. Luecke.
Boston Elsevier, 2005.

Case Studies in Reliability and Maintenance / W. Blischke.
Hoboken, N.J. John Wiley & Sons, Inc. (US), 2003.

The Circuit Designer's Companion / T. Williams.
Amsterdam, Boston Elsevier, 2005.

Communication and Control in Electric Power Systems / M. Shahidehpour.
Piscataway, NJ John Wiley & Sons, Inc. (US), 2003.

Computerized Maintenance Management Systems Made Easy / K. Bagadia.
New York McGraw-Hill Professional, 2006.

Electrical Inspection Notes : Inspecting Commercial, Industrial, and Residential
Construction / G. Taylor. New York McGraw-Hill Professional, 2005.

Electrical Power Equipment Maintenance and Testing / P. Gill.
New York Marcel Dekker, Inc., 1998.

Electrician's Instant Answers / D. Tuck.
New York McGraw-Hill Professional, 2003.

EMC and the Printed Circuit Board: Design, Theory, and Layout Made Simple /
New York John Wiley & Sons, Inc. (US), 1999.

Essentials of Electronic Circuitry: Analysis and Design / A. Sistino.
New York Marcel Dekker, Inc., 1996.

Environmental Management Systems : A Step-by-step Guide to Implementation and
Maintenance / C. Sheldon. London, Sterling, VA Earthscan Publications Ltd., 2006.

Fundamentals of Electrical Control / C. Phipps.
Lilburn, Ga. The Fairmont Press, 1999.

Fundamentals of Industrial Instrumentation and Process Control / W. Dunn.
New York : McGraw-Hill Professional, 2005.

Fundamentals of Preventive Maintenance / J. Gross.
New York, London AMACOM Books, 2002.

Grounding and Shielding Techniques / R. Morrison.
New York John Wiley & Sons, Inc. (US), 1998.

Handbook of Hydraulic Fluid Technology / G. Totten.
New York Marcel Dekker, Inc., 2000.

Handbook of Industrial Automation / E. Hall.
New York Marcel Dekker, Inc., 2000.

Handbook of Industrial Toxicology and Hazardous Materials / N. Cheremisinoff.
New York Marcel Dekker, Inc., 1999.

HVAC Inspection Notes : Inspecting Commercial, Industrial, and Residential
Construction / G. Taylor. New York McGraw-Hill Professional, 2005.

Industrial Guide to Chemical and Drug Safety / T. Dikshith.
Hoboken, N.J. John Wiley & Sons, Inc. (US), 2003.

Lean Maintenance : [Reduce Costs, Improve Quality, and Increase Market Share] /
Amsterdam, Boston Elsevier, 2004.

Machinery Component Maintenance and Repair / H. Bloch.
Burlington, MA Elsevier, 2005.

Maintenance Engineering Handbook / L. Higgins.
New York McGraw-Hill Professional, 2002.

Maintenance Fundamentals / R. Mobley.
Amsterdam, Boston Elsevier, 2004.

McGraw-Hill's National Electrical Code Handbook / B. McPartland.
New York McGraw-Hill Professional, 2005.

Multivariable Control Systems: An Engineering Approach / P. Albertos Pérez.
London Springer-Verlag New York, 2004.

Piping Systems & Pipeline: ASME Code Simplified / J. Ellenberger.
New York : McGraw-Hill Professional, 2005.

Plant and Maintenance Manager's Desk Book / W. Weiss.
New York AMACOM Books, 1997.

Plumbing and Piping Inspection Notes : Inspecting Commercial, Industrial, and Residential Properties / G. Taylor. New York McGraw-Hill Professional, 2005.

Practical Centrifugal Pumps: Design, Operation and Maintenance / P. Girdhar. Amsterdam ; Boston : Elsevier, 2005.

Practical Grounding, Bonding, Shielding and Surge Protection / G. Vijayaraghavan. Amsterdam, London Elsevier, 2004.

Practical Industrial Data Networks : Design, Installation and Troubleshooting / Mackay. Oxford, Burlington, MA Elsevier, 2004.

Practical Machinery Safety / D. Macdonald. Oxford, Boston Elsevier, 2004.

Practical Troubleshooting of Electrical Equipment and Control Circuits / M. Brown. Amsterdam, Boston Elsevier, 2005.

Principles of Controlled Maintenance Management / P. Johnson. Lilburn, GA The Fairmont Press, 2002.

Pump User's Handbook: Life Extension / H. Bloch. New York The Fairmont Press, 2004.

Pumps and Hydraulics / R. Miller. Indianapolis, Ind John Wiley & Sons, Inc. (US), 2004.

Rapid Tooling : Technologies and Industrial Applications / P. Hilton. New York Marcel Dekker, Inc., 2000.

Safety Management: A Guide for Facility Managers / J. Gustin. New York, N.Y. The Fairmont Press, 1996.

Schaum's Outline of Theory and Problems of Electronic Devices and Circuits / Cathey. New York McGraw-Hill Professional, 2002.

Structural Aspects of Building Conservation / P. Beckmann. Oxford, Burlington, MA Elsevier, 2004.

Successful Industrial Energy Reduction Programs / R. Curl. Lilburn, Ga. The Fairmont Press, 1997.

Zap! Experiments in Electrical Currents and Fields / J. Pine. Sudbury, Mass. Jones & Bartlett Publishers, Inc., 1996.

INDUSTRIAL SYSTEMS TECHNOLOGY
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Video/DVD Resources:

Industrial Text Video Series:

1. Plant Power Distribution
2. Static Manual Control Switches
3. Sensing and Timing Control Switches
4. Electromagnetic Control Switches
5. Understanding Electrical Control Circuits
6. Introduction to AC and DC Motors
7. Preventative Maintenance and Electrical Control Circuit Troubleshooting
8. Understanding and Troubleshooting DC Motor Controls
9. Understanding and Troubleshooting AC Motor Controls
10. Use Application and Troubleshooting of PLCs in Electrical and Motor Controls

Mechanical Universe and Beyond Series (Annenberg / CPB):

- 1/2. Introduction to the Mechanical Universe / The Law of Falling Bodies
- 3/4. Inertia / Derivatives
- 5/6. Vectors / Newton's Law
- 7/8. Integration / The Apple and the Moon
- 9/10. Moving in Circles / Fundamental Forces
- 11/12. Gravity, Electricity, Magnetism / The Milikan Experiment
- 13/14. Conservation of Energy / Potential Energy
- 15/16. Conservation of Momentum / Harmonic Motion
- 17/18. Resonance / Waves
- 19/20. Angular Momentum / Torques and Gyroscopes
- 21/22. Kepler's Three Laws / The Kepler Problem
- 23/24. Energy and Eccentricity / Navigating in Space
- 25/26. Kepler to Einstein / Harmony of the Spheres
- 27/28. Beyond the Mechanical Universe / Static Electricity
- 29/30. The Electric Field / Potential and Capacitance
- 31/32. Voltage, Energy, and Force / The Electric Battery
- 33/34. Electric Circuits / Magnetism
- 35/36. The Magnetic Field / Vector Fields and Hydrodynamics
- 37/38. Electromagnetic Induction / Alternating Current
- 39/40. Maxwell's Equations / Optics
- 41/42. The Michelson-Morley Experiment / The Lorentz Transformation
- 43/44. Velocity and Time / Mass, Momentum, Energy
- 45/46. Temperature and Gas Laws / Engine of Nature
- 47/48. Entropy / Low Temperatures

Shopware Electricity and Electronics DVD Series:

1. Electrical Principles
2. Electrical Circuits: Ohm's Law
3. Electrical Components Part I: Resistors, Batteries, and Switches
4. Electrical Components Part II: Capacitors, Fuses, Flashers, and Coils
5. Electrical Components Part III: Transformers, Relays, and Motors
6. Electronic Components Part I: Semiconductors, Transistors, and Diodes
7. Electronic Components Part II: Operation – Transistors and Diodes
8. Electronic Components Part III: Thyristors, Piezo Crystals, Solar Cells & Fiber Optics
9. Electrical Troubleshooting
10. Electronic Circuit Repair

Safety Videos:

Electrical Safety

Electrical Safety : Basic Principles

Fire Safety : Alert, Aware, Alive (DVD)

Fire Safety: There's No Chance

Safety Orientation : On Alert (DVD)

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General Internet Web Resources:

American Society of Mechanical Engineers (ASME)
www.asme.org

Automation Federation
www.automationfederation.org

Control System Integrators Association
www.controlsys.org

Electric Motor Education and Research Foundation (EMERF)
www.smma.org/em erf.html

Electric Motors Reference Center (from Machine Design)
www.electricmotors.machinedesign.com

Fluid Power Net
www.fluid.power.net

Grainger Industrial Supply
www.grainger.com

Industrial Safety Training Council
www.istc.net

Institute of Electrical and Electronic Engineers (IEEE)
www.ieee.org

Instrument Society of America (ISA)
www.isa.org

International Fluid Power Society
www.ifps.org

International Safety Equipment Association
www.safetyequipment.org

JEDEC Solid State Technology Association
www.jedec.org

The Motor and Motion Association (SMMA)
www.smma.org

Motor Control
www.motorcontrol.com

National Association of Industrial Technology
www.nait.org

National Electrical Contractors Association
www.mecanet.org

National Electrical Manufacturers Association (NEMA)
<http://www.nema.org>

National Fire Protection Association (NFPA)
www.nfpa.org

National Fluid Power Association
www.nfpa.com

Occupational Safety and Health Administration
www.osha.gov

Open Modular Architecture Control (OMAC) Users Group
www.omac.org

Piping Design Central
www.pipingdesign.com

Process Development & Fabrication
www.pdf-inc.com

Pump Systems Matter
www.pumpsystemsmatter.org

Solid State Devices, Inc.
www.ssdi-power.com

United Brotherhood of Carpenters Millwrights
www.ubcmillwrights.org

Wire Association International
www.wirenet.org

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[Business Source Complete](#)
[MasterFILE Premier](#)
[Science and Technology Collection Collection](#)
[Vocational and Career Collection](#)

LexisNexis Academic / Business

ProQuest full-text journal databases:

[ABI/Inform Complete \(American Business Index\)](#)
[Career & Technical Education](#)
[Research Library](#)